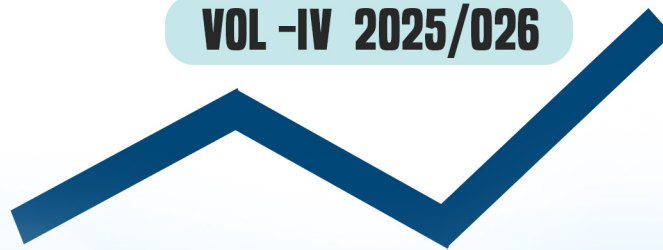




# ESN

**ENERGY STATISTICS OF NEPAL 2026**

**VOL -IV 2025/026**



# Nepal's Energy Revolution: The Private Sector as the Driving Force

## Generation Dominance & Project Pipeline

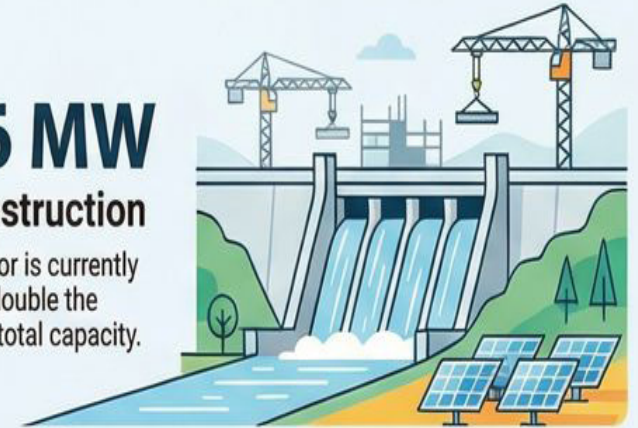
**84%**  
Private Sector  
Ownership

- Private (IPPs) | 3,335 MW
- Government (NEA) | 648 MW



**5,756 MW**  
Under Construction

The private sector is currently building nearly double the nation's current total capacity.



## Hydropower Leading, Solar Rising



**Hydropower**  
3,204 MW of IPP capacity



**Solar**  
124 MW

## Socio-Economic & Financial Impact



**1.3 Trillion**  
NPR Capital Mobilized

Private energy projects have mobilized 1,310.6 Arab (Billion) NPR in debt and equity.



**314,160**  
Jobs Created

The sector provides massive employment, primarily through temporary construction roles and permanent operations.

**3,700 KM**  
of Infrastructure

Private energy development has directly funded 3,700 km of roads and 160 health centers.



# ACKNOWLEDGMENT

Following the successful release of our inaugural edition of Nepal's Energy Statistics (NES) we are pleased to present the third edition of Nepal's Energy Statistics (NES). Published six months after the second volume, this biannual update continues IPPAN's commitment to providing a consistent, data-driven overview of the country's energy landscape for the 2081/2082 period. Produced with the support of the IPPAN Research and Development Fund, this report continues to serve as a definitive baseline for stakeholders in the hydropower and solar sectors.

We extend our sincere gratitude to Mr. Ganesh Karki, President of IPPAN, General Secretary Mr. Balaram Khatiwada, and the esteemed members of the Executive Committee. Their steadfast vision and institutional support have been the cornerstone of this publication's continuity.

This edition was developed under the strategic guidance of Mr. Bhim Gautam, Chief Executive Officer of IPPAN, whose insights were vital in shaping the report's direction. We would like to thank Ms. Divya Karki for her role in data collection and the comprehensive preparation of this volume, building upon the framework established in the previous editions. Furthermore, we acknowledge Mr. Bishow Raj Sapkota for his creative design contributions, ensuring these insights are presented with professional clarity.

# Background

Transparency and data integrity are the primary catalysts for energy transformation. While the private sector has emerged as the backbone of Nepal's electricity generation, its significant contributions are not yet fully consolidated within national statistics. This information gap has often left policymakers, investors, and the public without a complete understanding of the private sector's role in the country's energy evolution.

Independent Power Producers' Association, Nepal (IPPAN); representing over 500 energy companies is proud to present Nepal Energy Statistics, a pioneering initiative designed to systematically track and record the private sector's expanding role within the national grid. This report is more than just a collection of numbers; it is a tool for better governance. By transitioning from a lack of systematic information to a structured analytical framework, this report supports evidence-based policymaking.

# Generation Status

## Nepal: Power sector overview

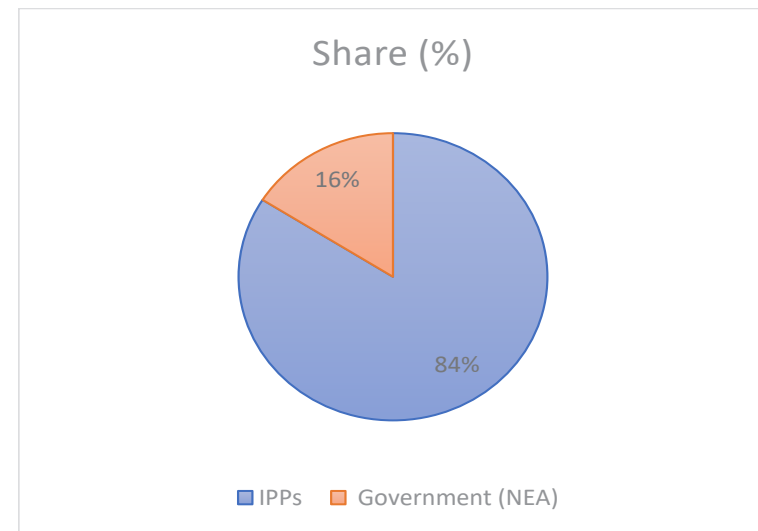
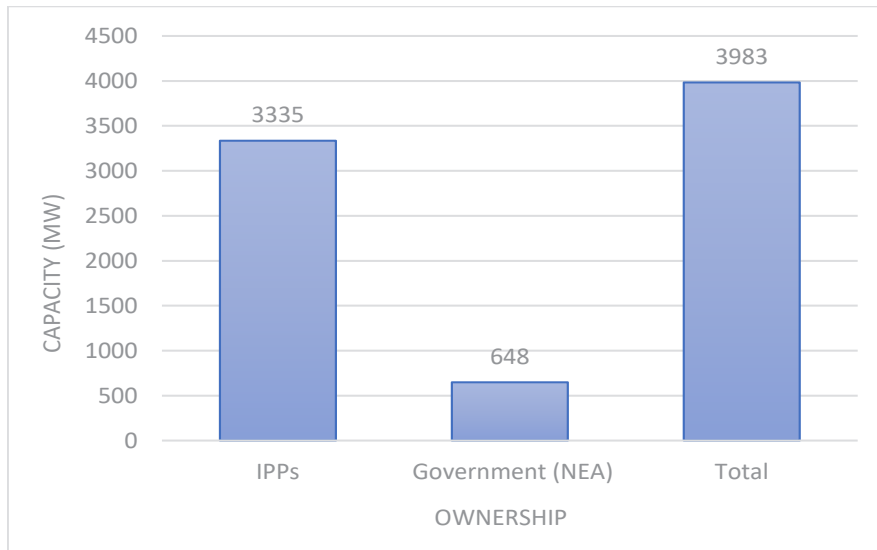
### 1. Installed Capacity Overview

As of *Poush, 2082*, Nepal's total installed electricity generation capacity stands at **3983 MW**, comprising contributions from both **Independent Power Producers (IPPs)** and **Government-owned projects (NEA)**.

Ownership	Installed Capacity (MW)	Share (%)
IPPs	3335	84%
Government (NEA)	648	16%
Total	3983	<b>100%</b>
Source: NEA		

#### Key Insight:

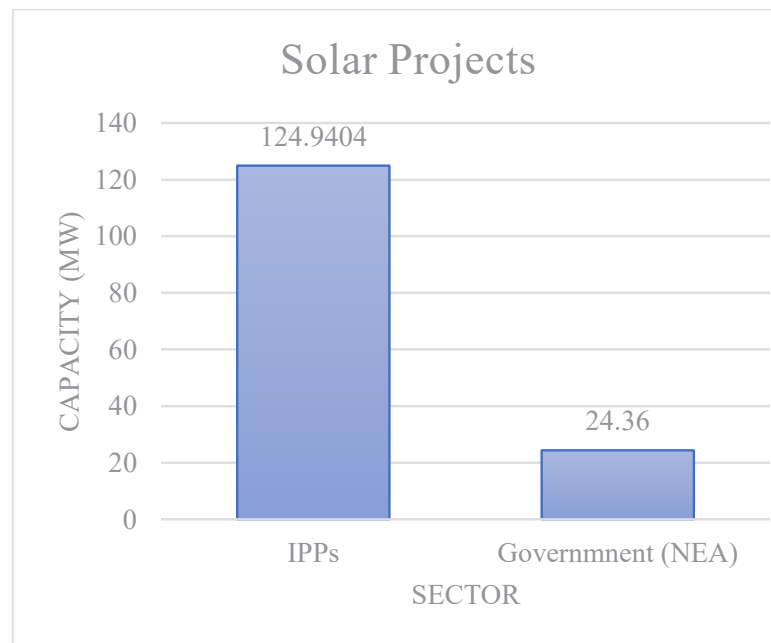
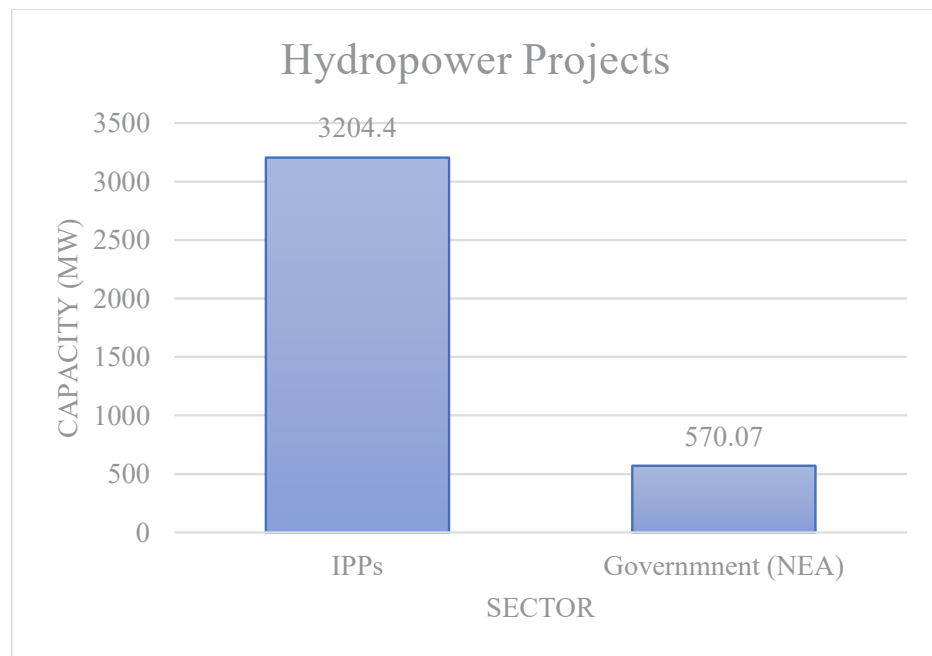
IPPs continue to play a dominant role in capacity addition, contributing more than **80 %** of total installed capacity.



## 2. Total Installed Capacity – All Energy Projects

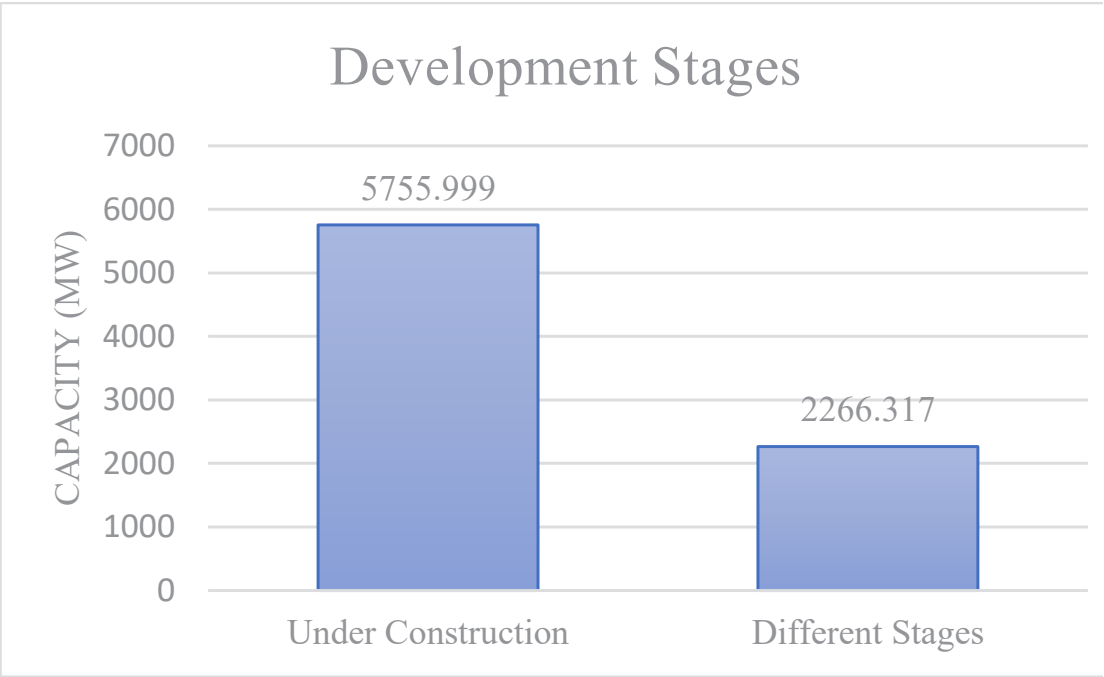
S.N.	Project Type	IPPs		Government	
		Numbers	Capacity (MW)	Numbers	Capacity (MW)
1	Hydro	197	3204.427	18	570.074
2	Solar	21	124.9404	5	24.36
3	Thermal	0	0	2	53.41
4	Co-generation	2	6	0	0
	Total	220	3335.3674	25	647.844

Source: NEA



### 3. Under Construction Projects & Different Stage Projects (IPPs)

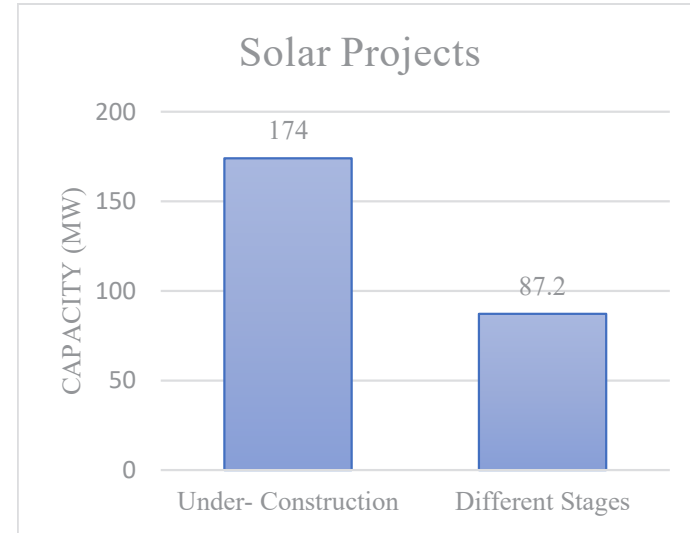
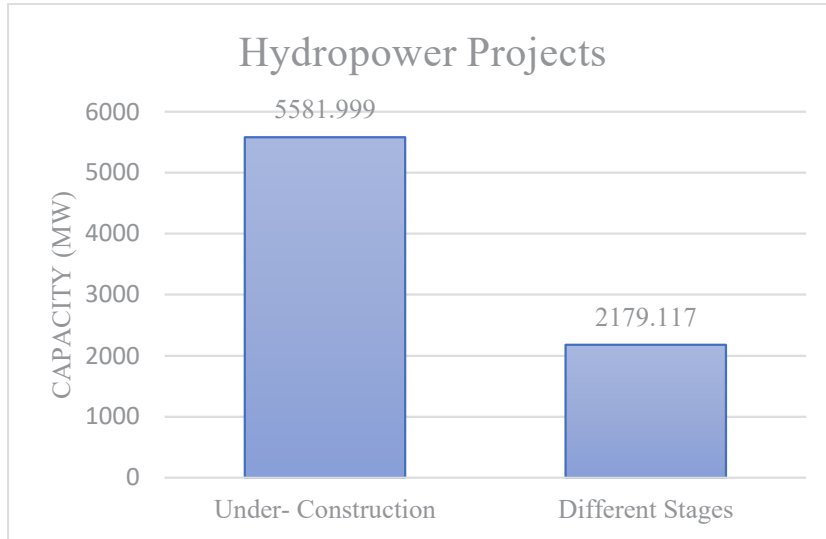
Stages	Number of Projects	Capacity (MW)
Under Construction	191	5755.999
Different Stages	90	2266.317
Source: NEA		



#### 4. Under Construction & Different Stages - All Energy Projects

S. N.	Project Type	Under- Construction		Different Stages	
		Numbers	Capacity (MW)	Numbers	Capacity (MW)
1	Hydro	179	5581.999	82	2179.117
2	Solar	12	174	8	87.2
	Total	191	5755.999	90	2266.317

Source: NEA

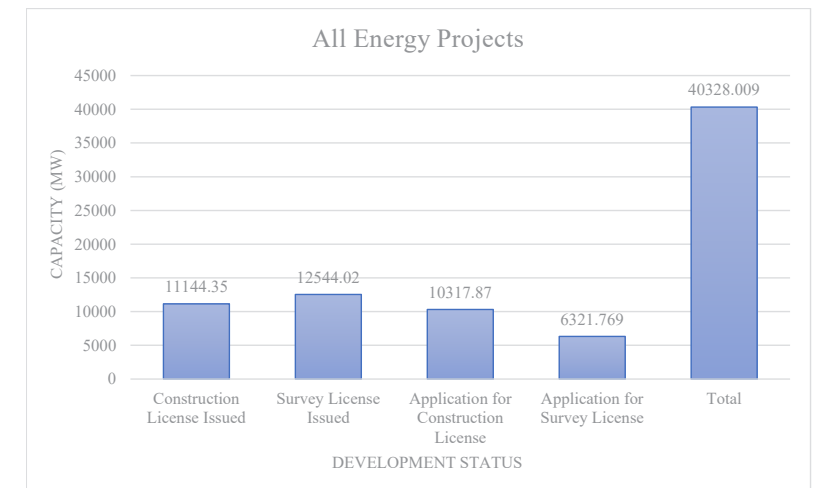
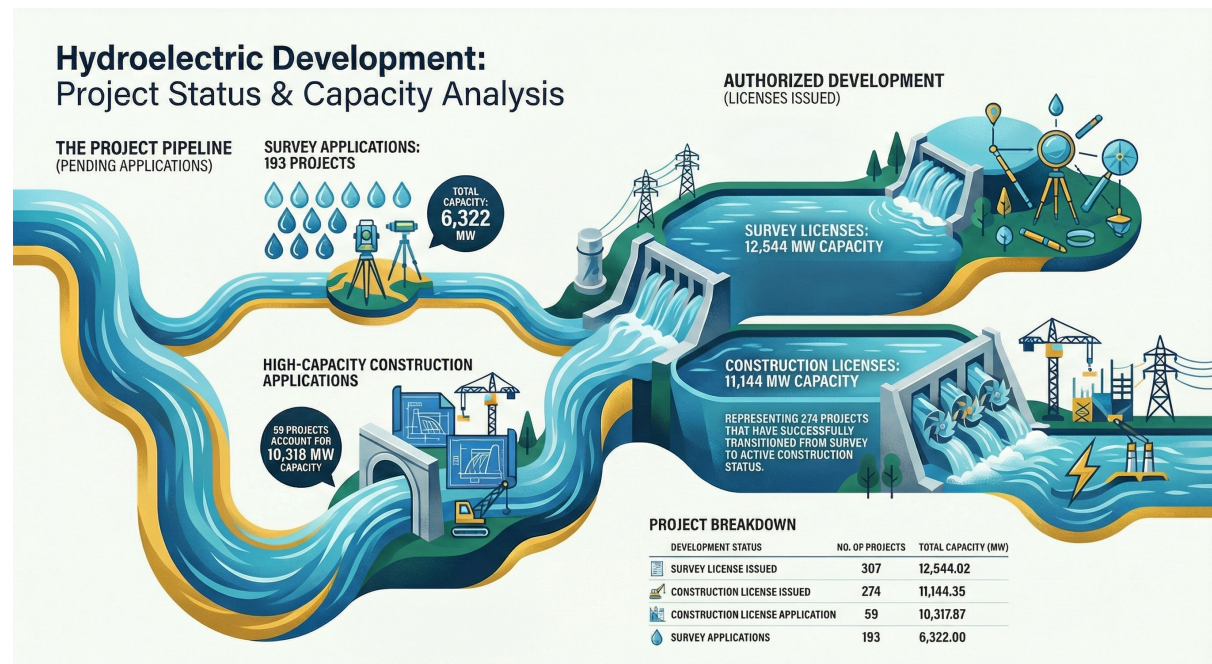


## 5. Energy Projects by Development Status – Overall Energy Sector

- Energy Projects by Development Status (All Energy Sources)

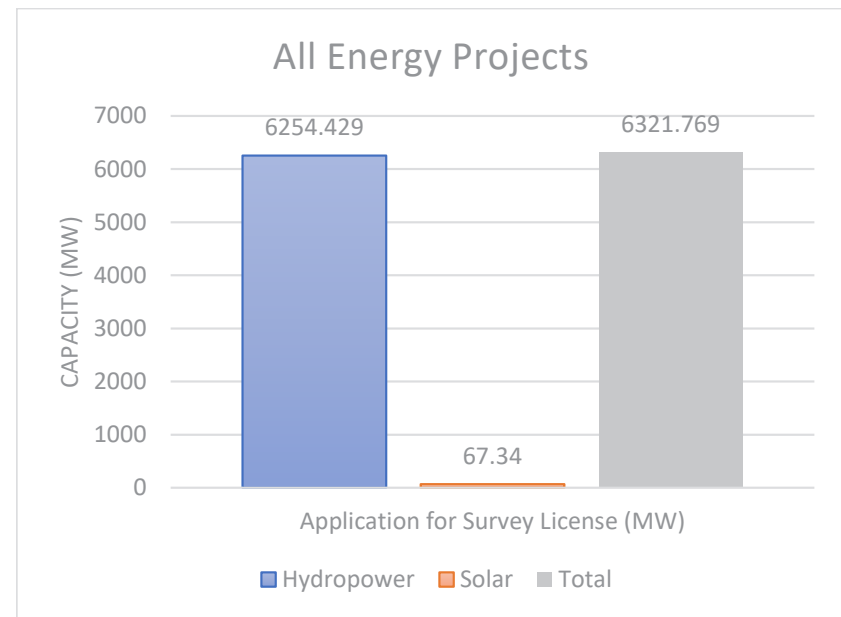
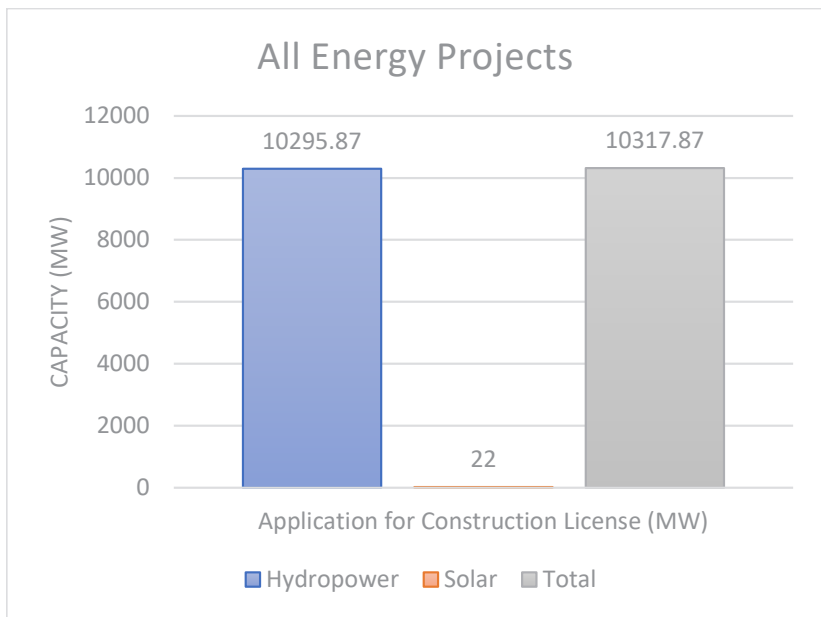
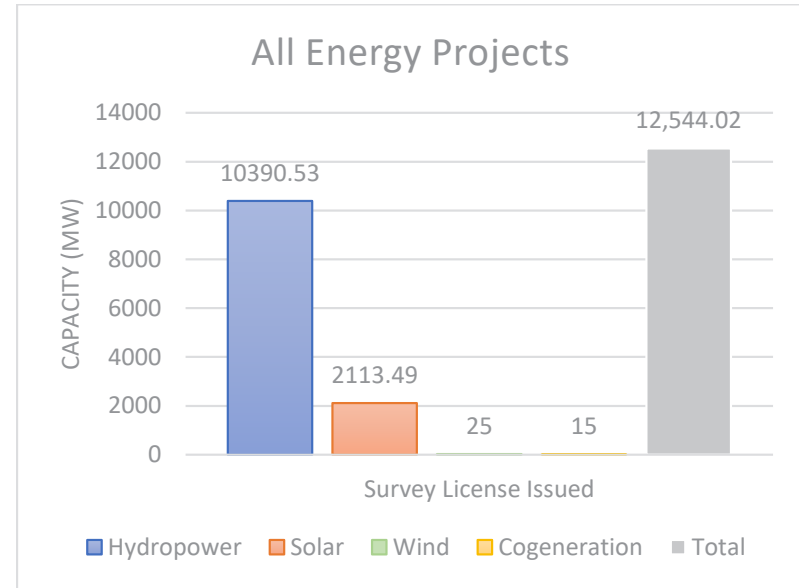
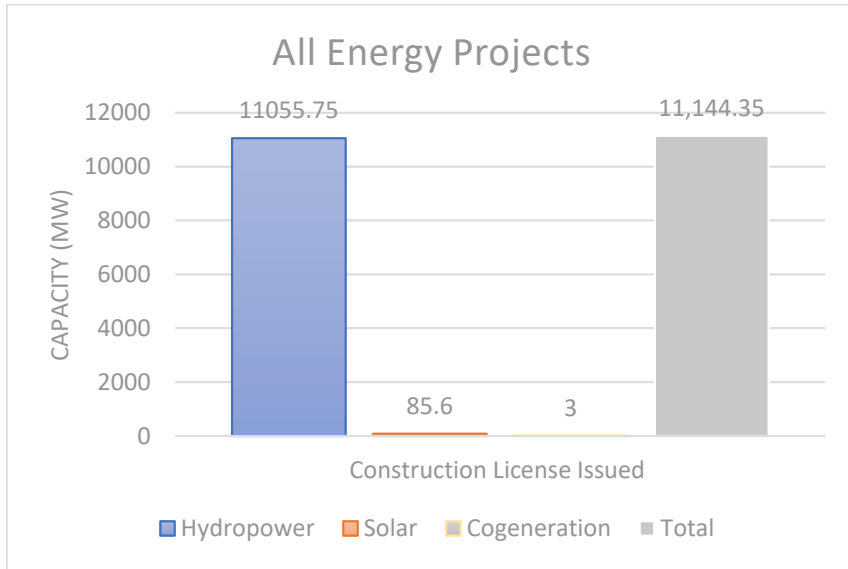
Development Status	Number of Projects	Total Capacity (MW)
Construction License Issued	274	11144.35
Survey License Issued	307	12544.02
Application for Construction License	59	10317.87
Application for Survey License	193	6321.769
<b>Total</b>	<b>833</b>	<b>40328.009</b>

Source: Doed

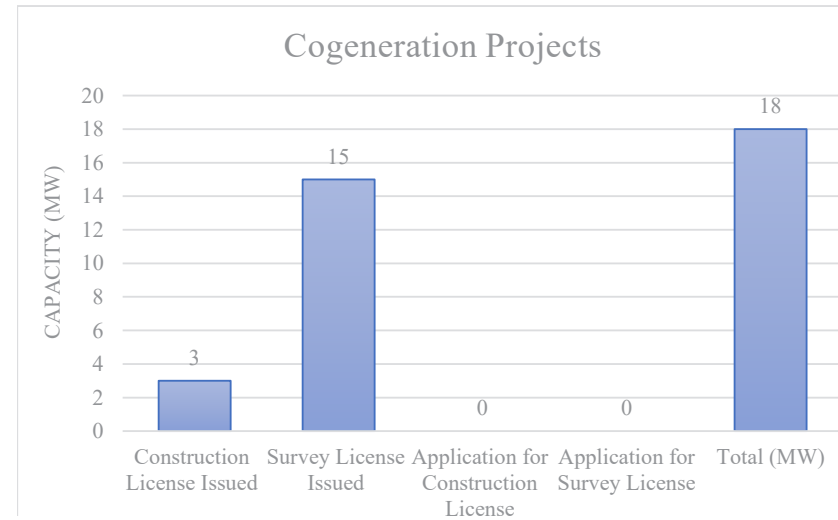
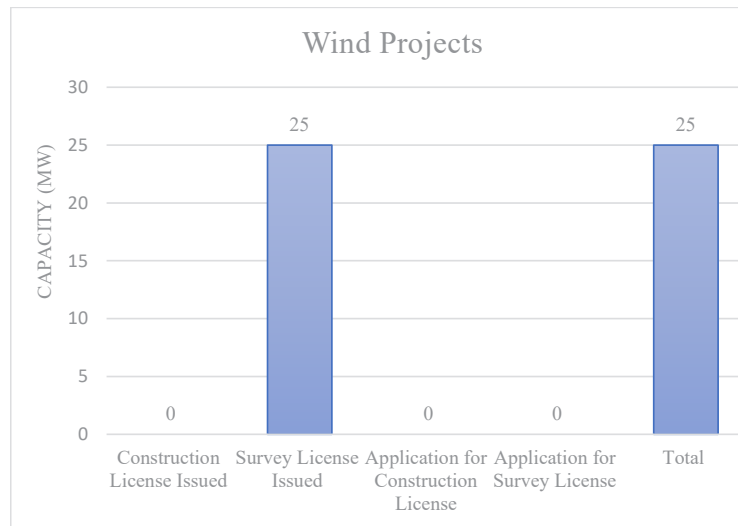
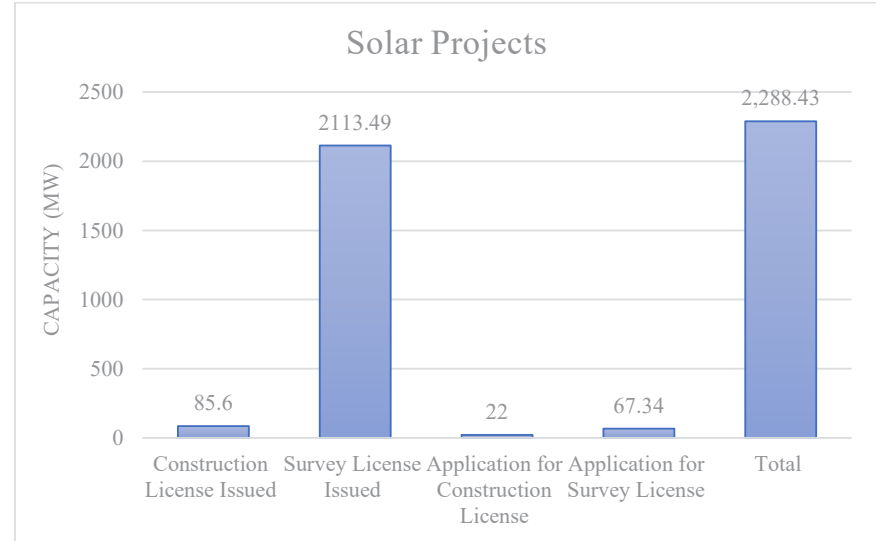
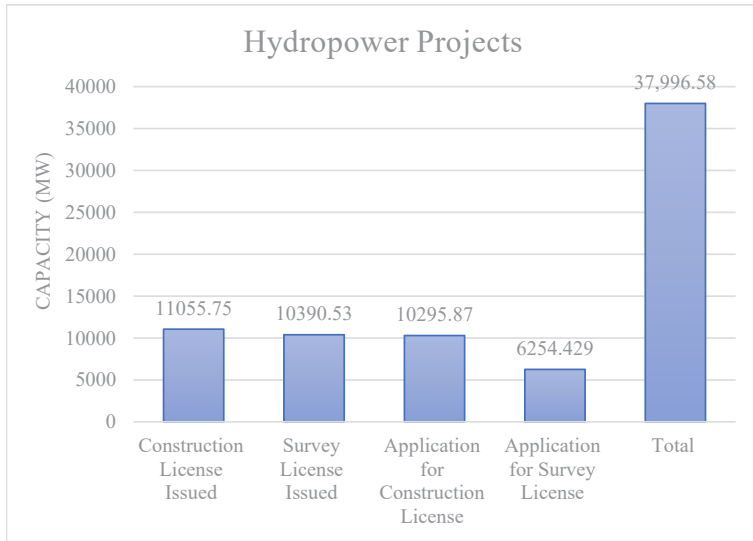


## 6. Energy Projects by Source and Development Status

Energy Source	Construction License Issued (MW)		Survey License Issued (MW)		Application for Construction License (MW)		Application for Survey License (MW)		Total (MW)	
	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)
Hydropower	260	11055.75	205	10390.53	56	10295.87	184	6254.429	705	37,996.579
Solar	13	85.6	96	2113.49	3	22	9	67.34	121	2,288.43
Wind	0	0	5	25	0	0	0	0	5	25
Thermal	0	0	0	0	0	0	0	0	0	0
Cogeneration	1	3	1	15	0	0	0	0	2	18
Total	274	11,144.35	307	12,544.02	59	10317.87	193	6321.769	833	40,328.009
Source: Doed										



## Different Energy Projects

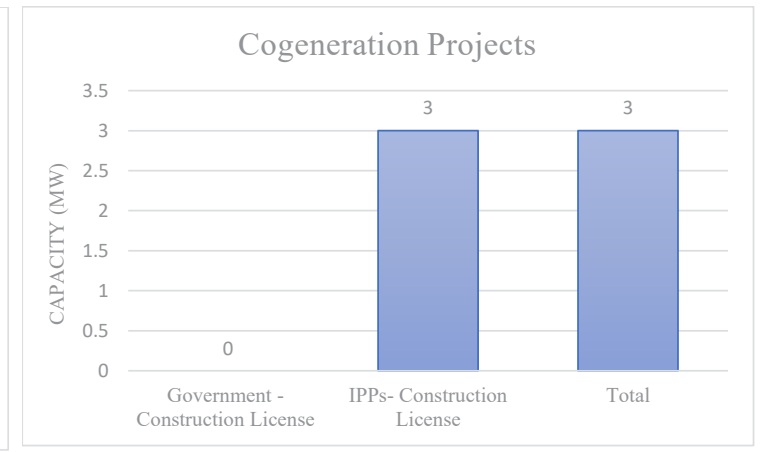
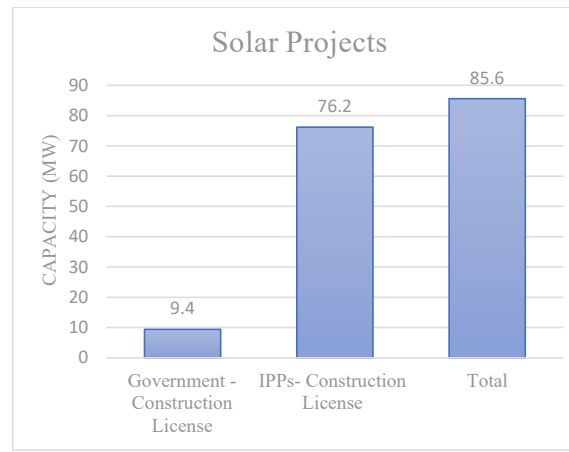
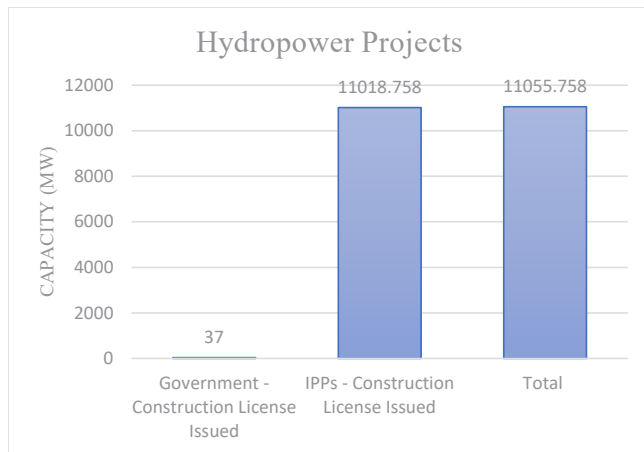


# Energy Project by Source, Ownership & Development Status

## A. Construction License Issued

Energy Source	Government - Construction License Issued		IPPs - Construction License Issued		Total	
	Numbers	Capacity (MW)	Numbers	Capacity (MW)	No.	Capacity (MW)
Hydropower	1	37	259	11018.758	260	11055.758
Solar	3	9.4	10	76.2	13	85.6
Cogeneration	0	0	1	3	1	3
<b>Total</b>	<b>1</b>	<b>46.4</b>	<b>270</b>	<b>11097.958</b>	<b>272</b>	<b>11144.358</b>

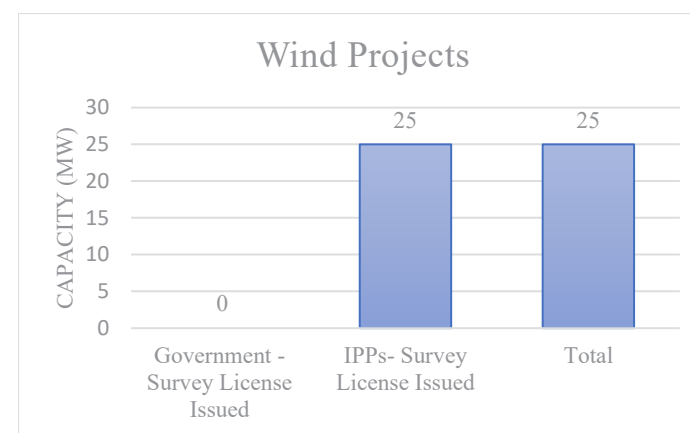
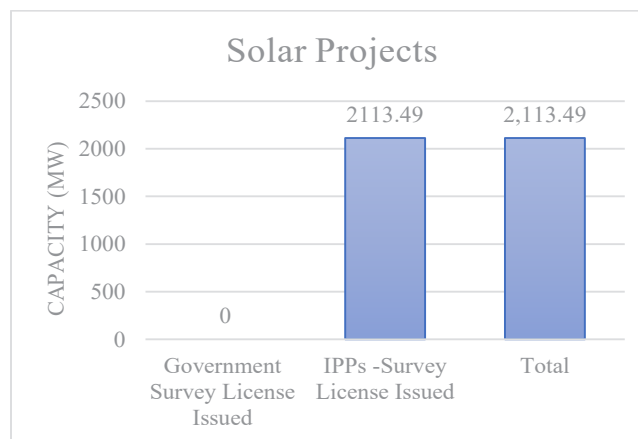
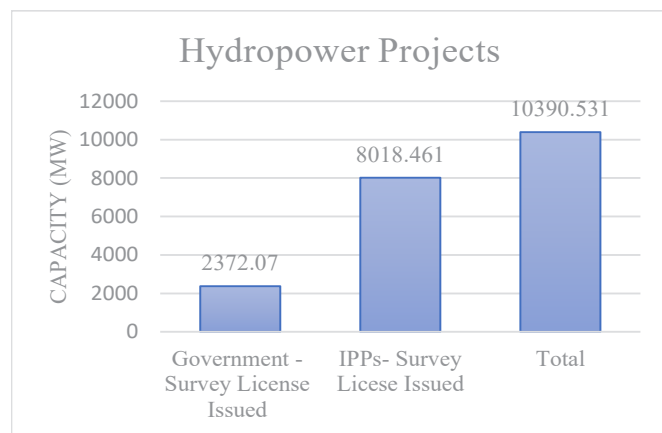
Source: Doed



## B. Survey License Issued

Energy Source	Government- Survey License Issued		IPPs – Survey License Issued		Total	
	Numbers	Capacity (MW)	Numbers	Capacity (MW)	No.	Capacity (MW)
Hydropower	7	2372.07	198	8018.461	205	10390.531
Solar	0	0	96	2113.49	96	2,113.49
Wind	0	0	5	25	5	25
Cogeneration	0	0	1	15	1	15
<b>Total</b>	<b>7</b>	<b>2372.07</b>	<b>300</b>	<b>10171.951</b>	<b>307</b>	<b>12544.021</b>

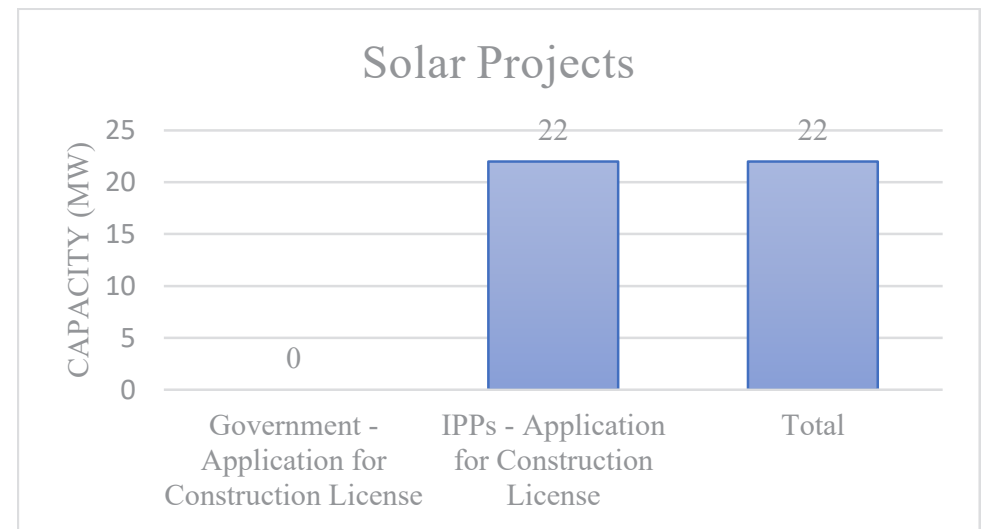
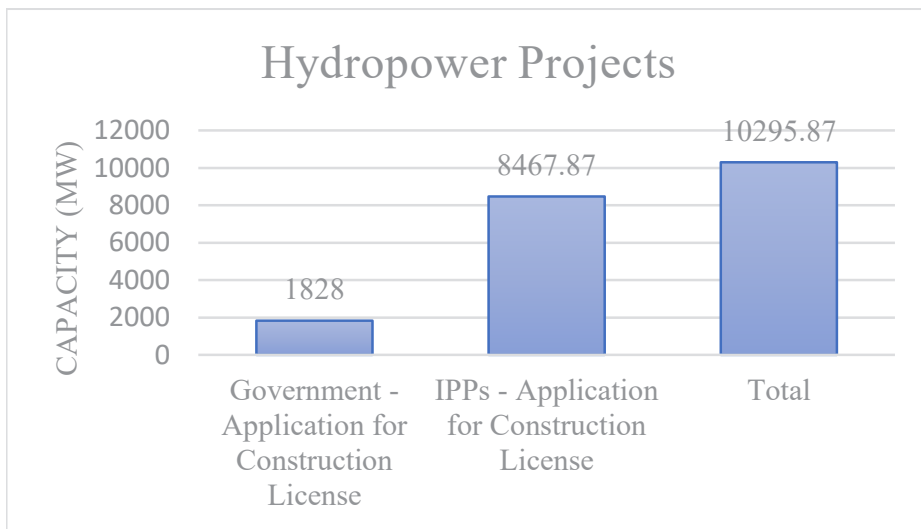
Source: Doed



### C. Application for Construction License

Energy Source	Government - Application for Construction License		IPPs – Application for Construction License		Total	
	Numbers	Capacity (MW)	Numbers	Capacity (MW)	No.	Capacity (MW)
Hydropower	5	1828	51	8467.87	56	10295.87
Solar	0	0	3	22	3	22
Total	5	1828	54	8489.87	59	10317.87

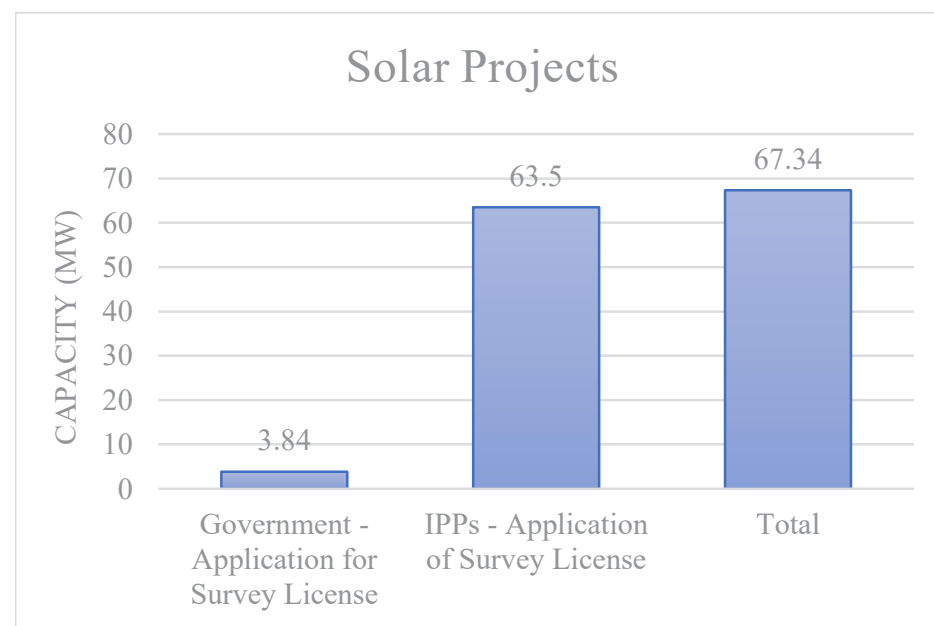
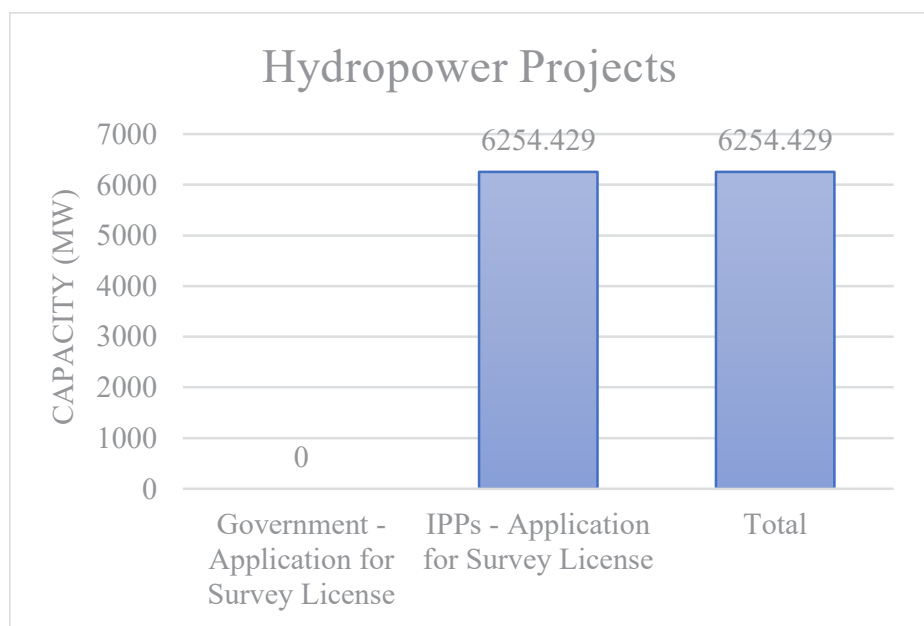
Source: Doed



## D. Application for Survey License

Energy Source	Government - Application for Survey License		IPPs – Application for Survey License		Total	
	Numbers	Capacity (MW)	Numbers	Capacity (MW)	Numbers	Capacity (MW)
Hydropower	0	0	184	6254.429	184	6254.429
Solar	1	3.84	8	63.5	9	67.34
Total	1	3.84	192	6317.929	193	6321.769

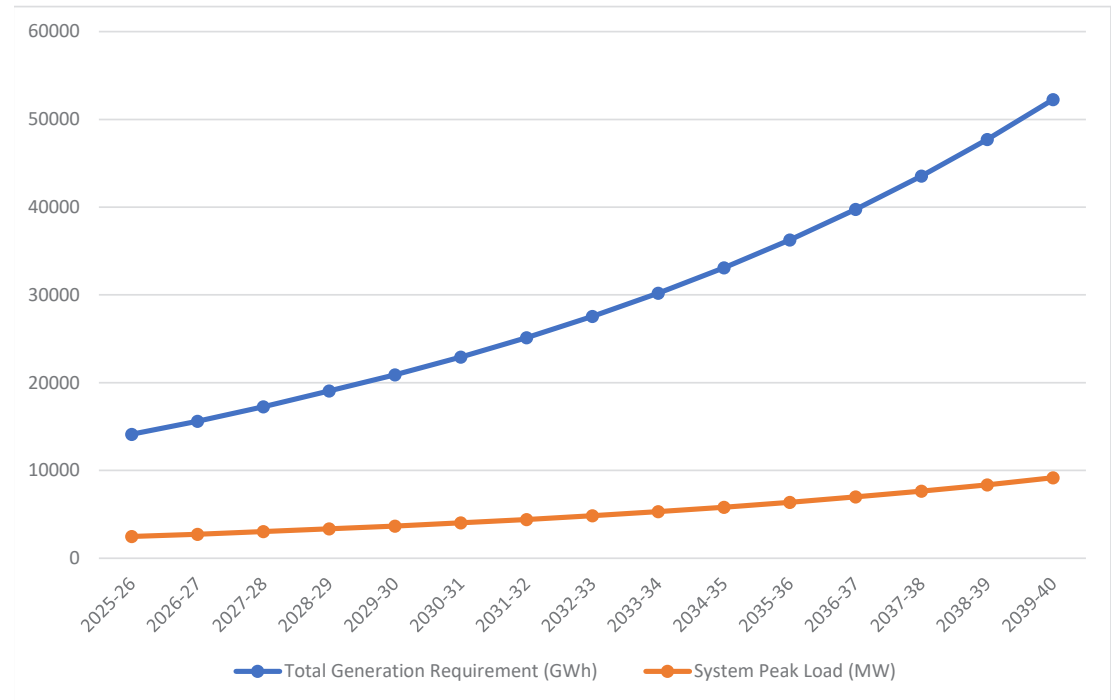
Source: Doed



# Electricity Demand Outlook and Power Trade Overview

## Electricity Demand Projection:

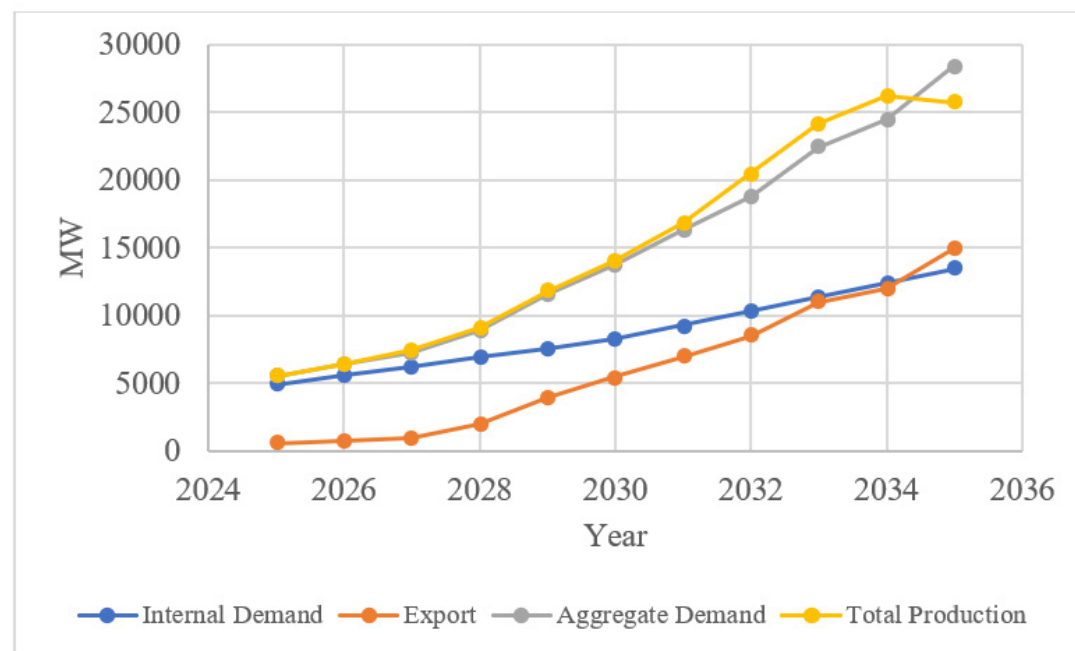
Fiscal Years	Total Generation Requirement (GWh)	System Peak Load (MW)
2025-26	14132.7	2482
2026-27	15625.2	2744.2
2027-28	17265.4	3032.2
2028-29	19070.5	3349.2
2029-30	20914.1	3673
2030-31	22931.6	4027.3
2031-32	25139.6	4415.1
2032-33	27556.4	4839.5
2033-34	30201.7	5304.1
2034-35	33097.5	5812.7
2035-36	36267.6	6369.5
2036-37	39738.4	6979
2037-38	43538.5	7646.4
2038-39	47699.4	8377.1
2039-40	52255.8	9177.4



### 28,500 MW Production Target

Year	Internal Demand (MW)	Export (MW)	Aggregate Demand (MW)	Total Production (MW)
2025	4917	600	5517	5561
2026	5585	800	6385	6468
2027	6253	1000	7253	7417
2028	6921	2000	8921	9083
2029	7588	4000	11588	11797
2030	8256	5500	13756	14031
2031	9299	7000	16299	16789
2032	10341	8500	18841	20540
2033	11383	11000	22383	24148
2034	12425	12000	24425	26233
2035	13468	15000	28468	25713

Source: Energy Development Roadmap, 2081

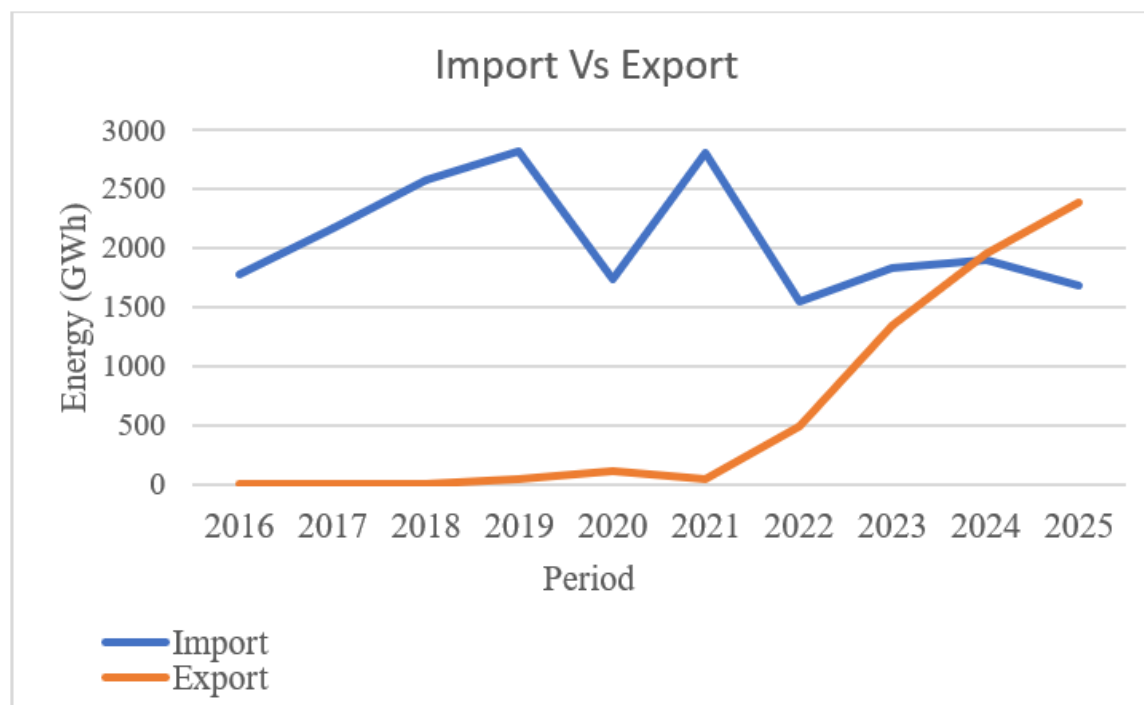


### Energy Import & Export Status (Nepal-India)

Period	Import (GWh)	Export (GWh)
2016	1778	3
2017	2175	3
2018	2582	3
2019	2813	35
2020	1729	107
2021	2806	38
2022	1543	494
2023	1833	1346
2024	1895	1946
2025*	1681	2380

Source: NEA

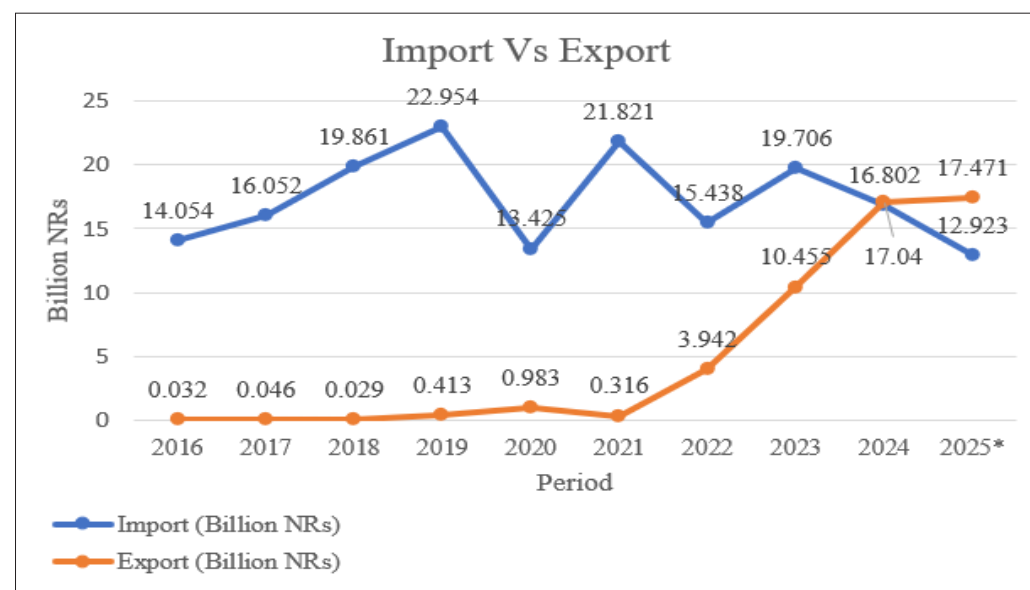
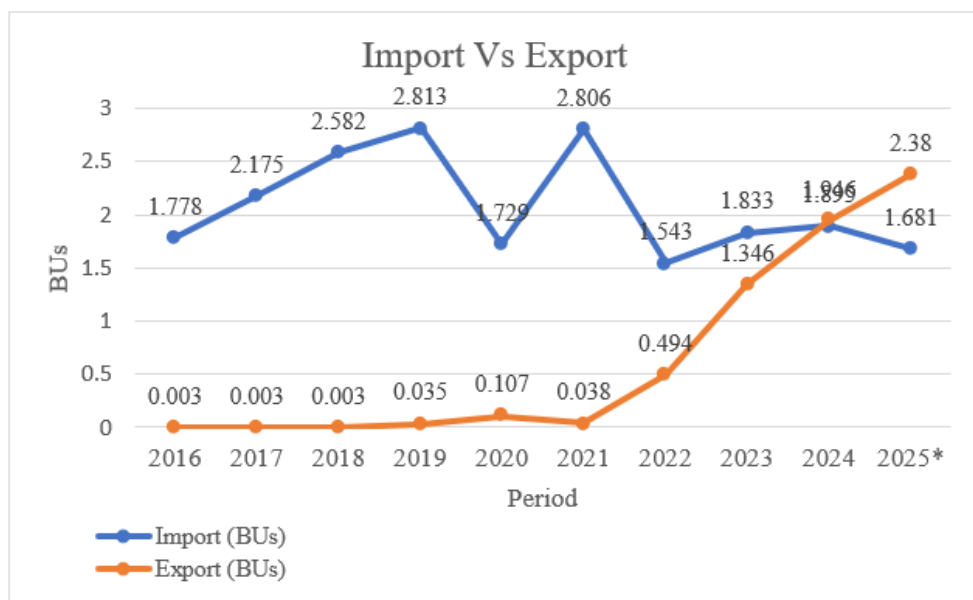
### Import and Export with India (Mu)



### Annual Electricity Trade in Nepal: Imports and Exports (BUs & Billion NRs)

Period	Import (BUs)	Export (BUs)	Import (Billion NRs)	Export (Billion NRs)
2016	1.778	0.003	14.054	0.032
2017	2.175	0.003	16.052	0.046
2018	2.582	0.003	19.861	0.029
2019	2.813	0.035	22.954	0.413
2020	1.729	0.107	13.425	0.983
2021	2.806	0.038	21.821	0.316
2022	1.543	0.494	15.438	3.942
2023	1.833	1.346	19.706	10.455
2024	1.895	1.946	16.802	17.040
2025*	1.681	2.380	12.923	17.471

Source: NEA



## Six-Month Overview of Nepal's Power Imports and Exports

### Energy Export & Import From 2082 Baishak to Poush

Month	Export			Import		
	Energy in kWh	Amount Rs.	Rate	Energy in kWh	Amount Rs.	Rate
Baishak	858,675.60	2,970,182.98	3.46	345,665,268.90	2,515,015,398.00	7.28
Jestha	84,366,385.30	789,537,895.40	9.36	121,428,676.50	863,677,678.30	7.11
Ashad	516,619,055.70	3,565,885,660.13	6.9	11,051,263.50	85,461,340.27	7.73
Shrawan	531,902,361.50	4,173,628,164.74	7.85	-	-	-
Bhadra	596,346,123.50	4,708,288,565.00	7.9	-	-	-
Asoj	708,788,460.50	5,232,898,465.56	7.38	-	-	-
Kartik	680,151,204.50	3,810,628,971.82	5.6	-	-	-
Mangsir	340,755,030.00	1,879,963,976.08	5.52	4,595,263.50	24,856,640.67	5.41
Poush	37,906,529.50	263,845,389.64	6.96	123,413,421.00	950,457,661.77	7.70
Total	3,497,693,826.10	24,427,647,271.33	6.98	606,153,893.40	4,439,468,719.08	7.32

Source: NEA

# Financial and Economic Contribution of the Private Sector in Nepal's Energy Development

## 1. Total Private Sector Investment

- Investment**

Particulars	Operational / Under Construction	Development Phase	Total
No. of Projects	347	576	923
Total Investment (Arab)	1,243.9910	66.6200	1,310.6110
Equity (Arab)	373.20	66.62	439.82
Bank Loan (Arab)	870.79	–	870.79

Source: Doed

*13.10 karab*

*Total Capital Mobilized by the Private Sector  
(Including Debt and Equity Financing)*

*923 Projects*

*Across Completed, Under-Construction, and  
Pipeline Stages*

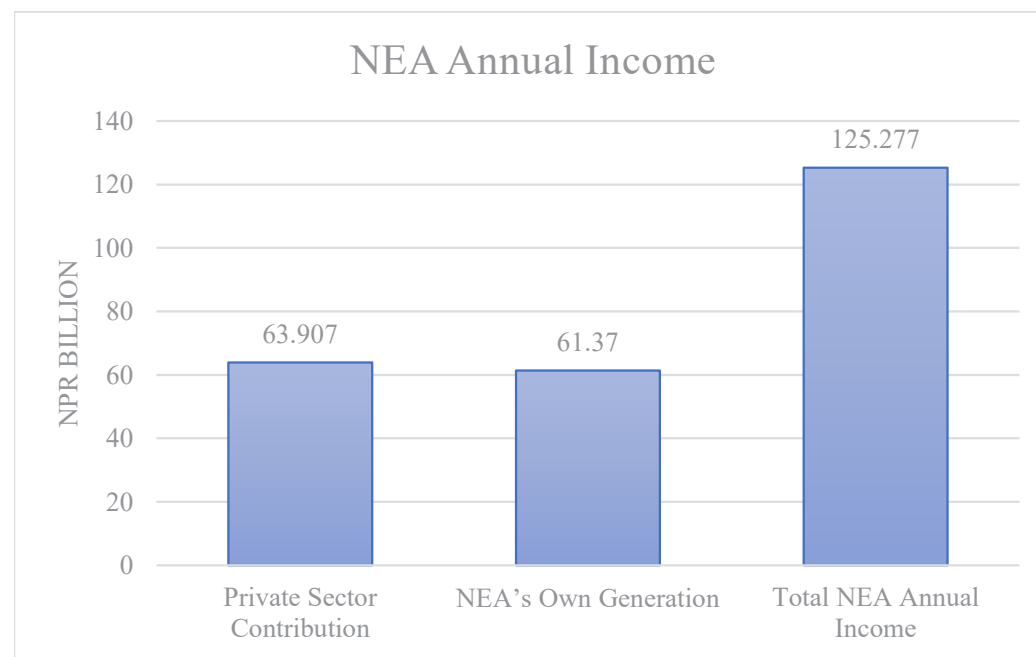
## 2. Financial Contributions to Government Revenue (FY 2081/82)

- Contributions (Royalties and Dues)

Metric	Amount (NPR)	Amount (Billions)
Royalty Received	Rs. 3,937,710,783.12	3.94 billion
Dues Receivable	Rs. 441,716,331.96	0.44 billion
Total Contribution	Rs. 4,379,427,115.08	4.38 billion
Source: NEA		

## 3. Contribution to NEA's Annual Income

Category	Amount (NPR Billion)
Private Sector Contribution	63.907
NEA's Own Generation	61.370
Total NEA Annual Income	125.277
Source: NEA	



### 3. IPO Status of Private Sector Hydropower Projects

- IPO Approved

As of 2082/11/01														
S.N.	Name of Company	Sector	From	To	No. of Share Registered	Rate	Amount of Share Registered	Public Issue Size	Public Issue Amount	% of Issued Capital	Promoter Share Registered	% of Issued Capital	Issue Manager	Date of Approval
1	Solu Hydropower Limited (For Local and General Public)	Hydropower	1	100,000,000	100,000,000	100	10,000,000,000	20,000,000	2000000000	20%	80,000,000	80%	Nabil Investment Banking Ltd. and Himalayan Capital Ltd.	2082/07/24
2	Bhujung Hydropower Limited (For Local and General Public)	Hydropower	1	10,000,000	10,000,000	100	1,000,000,000	2,000,000	200000000	20%	8,000,000	80%	Kumari Capital Ltd.	2082/08/11
3	Ridge Line Energy Ltd. (For Local and General Public)	Hydropower	1	11,850,000	11,850,000	100	1,185,000,000	2,607,000	260700000	20%	9,243,000	80%	Prabhu Capital Limited	2082/08/22
4	Suryakunda Hydro Electric Limited (For Local and General Public)	Hydropower	1	6,896,744	6,896,744	100	689,674,400	1,379,350	137935000	20%	5,517,394	80%	Kumari Capital Ltd.	2082/08/25
5	Super Khudi Hydropower Limited (For local and General Public)	Hydropower	1	15,500,000	15,500,000	100	1,550,000,000	3,100,000	310000000	20%	12,400,000	80%	Global IME Capital Limited	2082/09/06

6	Shikhar Power Development Limited (For local and General Public)	Hydropower	1	9,800,000	9,800,000	100	980,000,000	3,200,000	320000000	32.65%	6,600,000	67.35%	Global IME Capital Limited	2082/09/16
7	Snow Rivers Limited (For local and General Public)	Hydropower	1	9,375,000	9,375,000	100	937,500,000	1,875,000	187500000	20.00%	7,500,000	80.00%	Sanima Capital Limited	2082/10/18
8	Kalinchock Hydropower Limited (For local and General Public)	Hydropower	1	5,500,000	5,500,000	100	550,000,000	1,375,000	137500000	25.00%	4,125,000	75.00%	RBB Merchant Banking Limited	2082/10/19
9	Appolo Hydropwer Limited (For local and General Public)	Hydropower	1	4,700,000	4,700,000	100	470,000,000	1,410,000	141000000	30.00%	3,290,000	70.00%	Himalayan Capital Limited	2082/10/20
10	Beni Hydropower Project Limited (For Local and General Public)	Hydropower	1	10,400,000	10,400,000	100	1,040,000,000	2,080,000	208000000	20.00%	8,320,000	80.00%	NMB Capital Limited	2082/10/29
11	Taksar Pikhua Khola Hydropower Limited (For Local and General Public)	Hydropower	1	12,000,000	12,000,000	100	1,200,000,000	4,230,668	423066800	35.26%	7,769,332	64.74%	Prabhu Capital Limited	2082/11/01
				Total	196,021,744		19,602,174,400	43,257,018	4,325,701,800		152,764,726			

Source: SEBON

## IPO Pipeline

S.N	Name of Company	Type of Issue	No. of share	Amount of Issue	Issue Manager	Date of Application	Date of comment	Date of Reply	Remarks	Commercial Operation Date (COD)
1	Richet Jalbidhyut Company Limited (For Local and General Public)	IPO	1,689,500	168,950,000.00	NIMB Ace Capital Limited	2080/05/29	2080/08/12	2080/08/24	Re-application received on 2082/07/30 after the net worth per share exceeded 90 rupees	2078/04/28
2	Yambaling Hydropower Limited (For Local and General Public)	IPO	2,800,000	280,000,000.00	Muktinath Capital Limited	2080/06/10	2082/09/23	2082/09/24	Updates received on 2082/09/04	2080/11/18
3	Him River Power Ltd. (For local and General Public)	IPO	1,330,000	133,000,000.00	Siddhartha Capital Ltd.	2080/10/28	2082/10/27		Letter sent on 2081.11.09 regarding updates on Networth	-
4	Lower Erkhuwa Hydropower Company Ltd. (For local and General Public)	IPO	2,805,750	280,575,000.00	Muktinath Capital Limited	2080/11/11	2082/03/32	2082/04/12	updates and compliance report received on 2082.02.20	-
5	Kalanga Hydro Limited (For local and General Public)	IPO	4,900,000	490,000,000.00	Sanima Capital Limited	2080/12/06	2082/09/08	2082/09/14	Compliance report received on 2082.02.22 and reply received on 2082.09.14	2079/10/27
6	Sanigad Hydro Limited (For local and General Public)	IPO	8,550,000	855,000,000.00	LS Capital Limited	2080/12/06	2082/10/04	2082/10/08	updates and compliance report received on 2082.02.20	2079/11/06
7	Apex Makalu Hydropower Limited	IPO	2,400,000	240,000,000.00	Sanima Capital Limited	2080/12/18			Updates along with compliance report received on 2082.03.11	-
8	Gaurishankar Power Development Limited (For local and General Public)	IPO	2,400,000	240,000,000.00	Nabil Investment Banking Ltd.	2080/12/21			Compliance report received on 2082/03/10 and letter sent on 2082.05.20 for updates	-
9	Siuri Nyadi Power Limited (For local and General Public)	IPO	30,360,784	3,036,078,400.00	NMB Capital Limited	2081/01/18	2082/09/08	2082/09/14	Compliance report received on 2082.03.09 and reply received on 2082.09.14	-
10	Mount Everest Power Development Limited (For local and General Public)	IPO	2,580,000	258,000,000.00	NIMB Ace Capital Limited	2081/02/06	2082/05/09	2082/07/24	Compliance report along with updates received on 2082/03/13	2081/04/16
11	Aasutosh Energy Limited (For local and General Public)	IPO	1,200,000	120,000,000.00	NMB Capital Limited	2081/02/21	2082/10/26		Compliance report along with updates received on 2082/04/22	2079/06/16

12	Hilton Hydro Energy Limited (For local and General Public)	IPO	1,700,000	170,000,000.00	Sanima Capital Limited	2081/02/24			Compliance report and updates received on 2082/04/09 along with increase in issue size to 20% of issued capital	2081/12/02
13	Puwa Khola- One Hydropower Limited (For Local and General Public)	IPO	2,070,000	207,000,000.00	Laxmi Sunrise Capital Limited	2081/03/05	2082/10/26		Re-application received on 2082/05/29 after the net worth per share exceeded 90 rupees	2074/06/23
14	Madame Khola Hydropower Limited (For Local and General Public)	IPO	2,600,000	260,000,000.00	Muktinath Capital Limited	2081/04/13			Updates received on 2082/08/10 regarding increase in issue size to 20% of capital	-
15	Nilgiri Khola Hydropower Company Limited (For Local and General Public)	IPO	7,920,000	792,000,000.00	Prabhu Capital Limited	2081/04/22			Updates received on 2082/10/23 regarding increase in issue size to 20% of capital	2080/12/14
16	Peoples Energy Limited (For Local and General Public)	IPO	6,600,000	660,000,000.00	Sanima Capital Limited	2081/04/23			Compliance report along with updates received on 2082.10.18	-
17	Champawati Hydropower Ltd. (For Local and General Public)	IPO	1,600,000	160,000,000.00	RBB Merchant Banking Ltd.	2081/07/04			Compliance report along with updates received on 2082.07.24	2081/03/25
18	Him Parbat Hydropower Limited (For Local and General Public)	IPO	5,915,000	591,500,000.00	Citizens Capital Limited	2081/08/05			Compliance report received on 2082.04.27 and Updates received on 2082.08.09	2082/04/08 (5.5 Mw) 2082/06/25 (20 Mw)
19	Century Energy Limited (For Local and General Public along with premium@275.11)	IPO	300,000	82,533,000.00	NIMB Ace Capital Limited	2081/08/14				2077/05/12
20	Habitat Power Company Limited (For Local and General Public)	IPO	1,420,000	142,000,000.00	Muktinath Capital Limited	2081/08/21			Compliance report and updates received on 2082.04.27 along with increase in issue size to 20% of issued capital	-
21	Numbur Himalaya Hydropower Limited (For Local and General Public along with premium@218)	IPO	3,006,202	655,352,036.00	LS Capital Limited	2081/09/07			Compliance report received on 2082.04.27	2078/10/25
22	United Mewa Khola Hydropower Limited	IPO	12,300,000	1,230,000,000.00	Citizens Capital Limited	2081/09/11				-
23	Aarati Power Company Limited	IPO	3,600,000	360,000,000.00	Global IME Capital Ltd.	2081/11/09			Compliance report along with updates received on 2082.03.06	-

24	Mewa Developers Limited	IPO	11,200,000	1,120,000,000.00	Himalayan Capital Limited	2081/11/09			Compliance report along with updates received on 2082.09.24	-
25	Myagdi Hydropower Limited	IPO	4,745,000	474,500,000.00	NMB Capital Limited	2081/12/27			Compliance report received on 2082.04.09 and updates received on 2082.10.13	2080/05/04
26	LC Energy Limited (For Local and General Public)	IPO	600,000	60,000,000.00	Prabhu Capital Limited	2082/01/07			Along with Compliance Report	-
27	Jhyamolongma Hydropower Development Company Ltd.	IPO	5,100,000	510,000,000.00	Laxmi Sunrise Capital Limited	2082/01/21			Compliance report along with updates received on 2082.04.29	2082/01/19
28	Orbit Energy Limited	IPO	4,000,000	400,000,000.00	Kumari Capital Limited	2082/01/22			Updates received on 2082/04/26 along with decrease in issue size to 20% of issued capital	-
29	Vision Energy & Power Ltd.	IPO	8,300,000	830,000,000.00	NIMB Ace Capital Limited	2082/03/30			Along with Compliance Report	-
30	White Lotus Power Ltd.	IPO	1,219,000	121,900,000.00	Nepal SBI Merchant Banking Ltd.	2082/03/31				-
31	Electro Power Company Limited (For Local and General Public)	IPO	8,125,000	812,500,000.00	NIMB Ace Capital Limited	2082/08/01			Along with Compliance Report	-
32	Kabeli Hydropower Company Limited (For Local and General Public)	IPO	4,125,000	412,500,000.00	NMB Capital Limited	2082/08/08			Along with Compliance Report	2082/05/08
33	Doodhpokhari Chepe Hydropower Limited (For Local and General Public)	IPO	2,020,000	202,000,000.00	Muktinath Capital Limited	2082/10/20			Along with Compliance Report	-
34	Samyukta Urja Limited (Local and General Public)	IPO	4,160,000	416,000,000.00	Laxmi Sunrise Capital Limited	2082/11/05			Along with Compliance Report	2082/05/09
	Total		163,641,236	16,771,388,436						

Source: SEBON

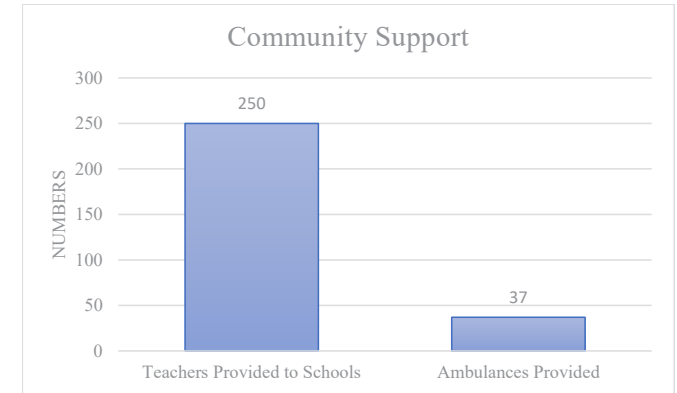
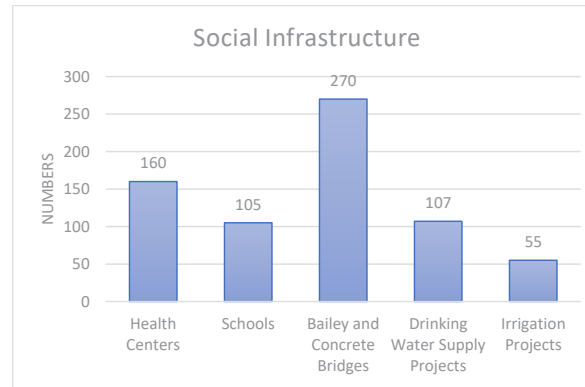
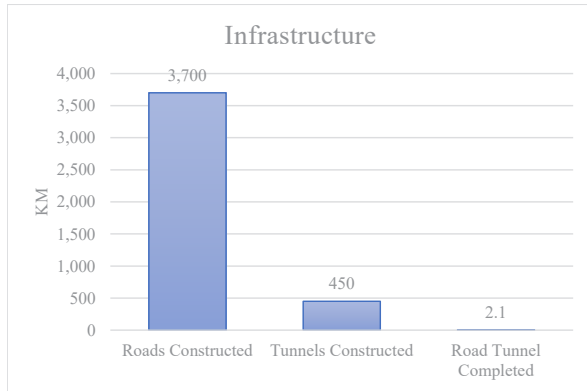
#### 4. Annual Employment Generation

The private energy sector contributes significantly to employment:

Category	Numbers
Total Direct Employment	314,160 jobs
○ In completed projects	2,060 (Permanent)
○ In under construction projects	312,100 (Temporary)

#### 5. Contribution to Social Development by Private Sector

Category	Sub-Category	Quantity
Infrastructure	Roads Constructed	3,700 km
	Tunnels Constructed	450 km
	Road Tunnel Completed	2.1 km
Social Infrastructure	Health Centers	160
	Schools	105
	Bailey and Concrete Bridges	270
	Drinking Water Supply Projects	107
	Irrigation Projects	55
Community Support	Teachers Provided to Schools	250
	Ambulances Provided	37



## 6. Future Development Target (28,500 MW)

Description	Amount / Number
Direct Money to Village	NPR 0.915 billion
Demand Based Money Expenditure to Village	NPR 1.4 billion
Total Manpower Employment Number	676,000
Source: Energy Development Roadmap, 2081	

# TRANSMISSION LINE & SUBSTATION STATUS

## 1. Transmission Network Overview

Description	Length (Circuit km)
Transmission Lines Added in the Last 6 Months	99 ckt-km
Transmission Lines Under Construction	2034 ckt-km

## 2. Six-Month Progress Report

*(Achievements Under Transmission Directorate (Fiscal Year 082))*

- Transmission Lines (TL)**

S.N.	Transmission Line	Voltage Level	Progress (ckm)
1	Burtibang – Paudi Amarai – Tamghas	132 kV	66 ckm
2	Kohalpur – Surkhet	132 kV	19 ckm
3	Balefi Corridor	—	3 ckm
4	Kaligandaki – Ridi	—	8 ckm
5	Lalbandi – Salimpur	—	3 ckm
	Total Progress		99 ckm

- Substations (S/S)**

S.N.	Substation	Capacity	Status
1	Surkhet Substation	60 MVA	Charged

Source: NEA

### 3. Domestic Transmission Line & Substation Updates

S. N	Description	Voltage Level	Total
1	Under construction Transmission Line (Circuit km)	132 kV	1154
		220 kV	434
		400 kV	446
Total (Circuit km)			2034
2	Planned and Proposed Transmission Line (Circuit km)	132 kV	1108
		220 kV	1894
		400 kV	3603
Total (Circuit km)			6605

Under construction, planned & proposed transmissions line:

#### Under Construction & Planned/ Proposed Substation

S. N	Description	Total (MVA)
1	Under construction Substations (MVA)	6338.5
2	Planned and Proposed Substations (MVA)	16177.5
Total		1 6177.5

Source: NEA

#### 4. Existing High Voltage Transmission Links

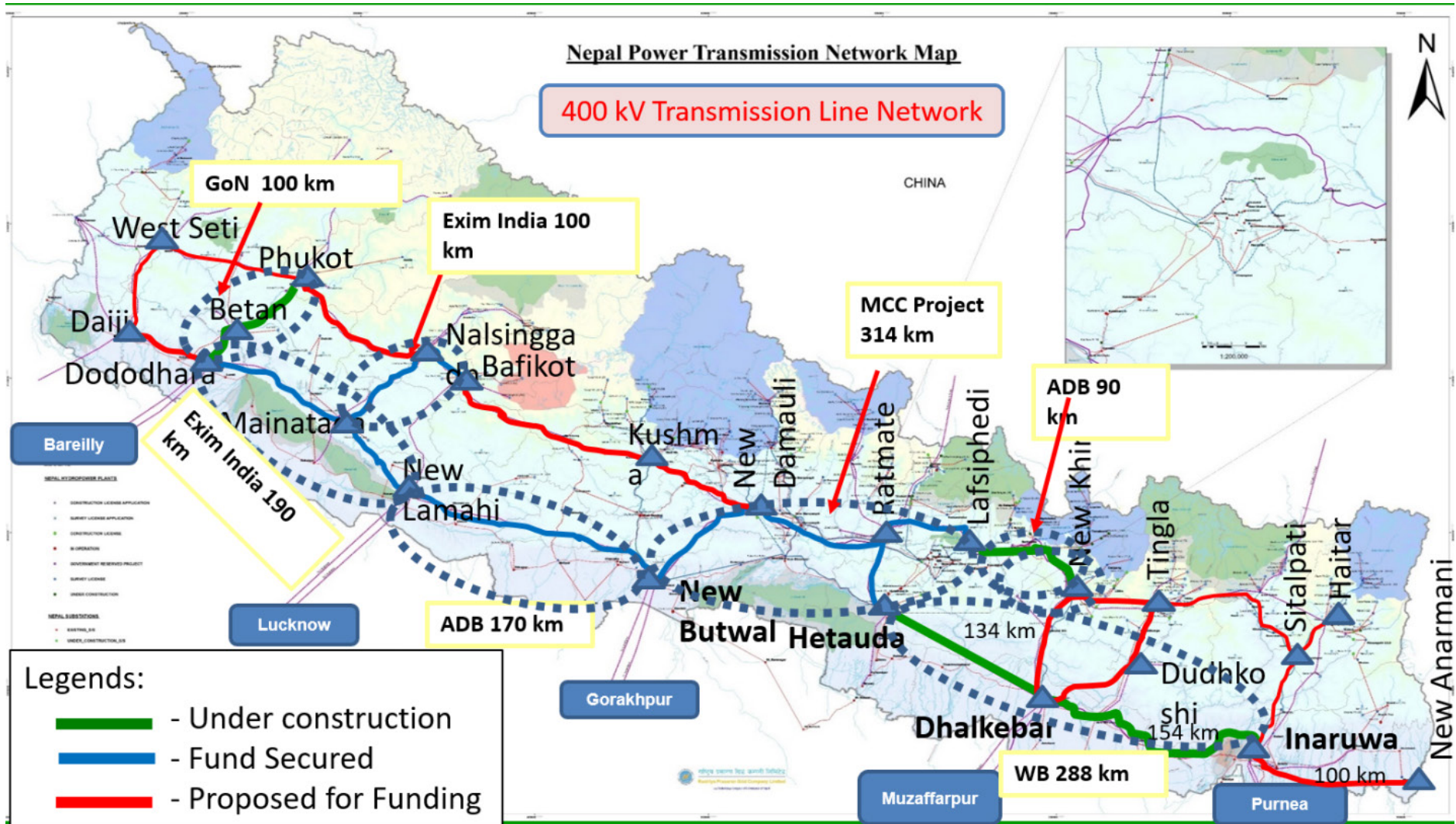


Fig 1. High voltage transmission lines network

Source: Urja Samridhhi

## 5. Comparison of Transmission Line Length in the last Fiscal Years

S.N.	Fiscal Year	66 kV (ckt. km)	132 kV (ckt. km)	220 kV (ckt. km)	400 kV (ckt. km)	Total (ckt. km)	Total Increment (ckt. km)
1	2072/073	494	2,417			2,911	
2	2073/074	494	2,596	75	78	3,243	332
3	2074/075	514	2,717	75	78	3,384	141
4	2075/076	514	3,143	255	78	3,990	606
5	2076/077	514	3,240	437	78	4,269	280
6	2077/078	514	3,541	741	78	4,874	605
7	2078/079	514	3,817	897	102	5,329	455
8	2079/080	514	3,979	1,101	148	5,742	413
9	2080/081	514	4,136	1,213	644	6,508	766
10	2081/082	514	4,193	1,266	787	6,760	252
Total Increment in Ten Years							3,850
Source: NEA							

\*Approx 247 km are additionally upgraded

## 6. Comparison of substation Capacity in the last Ten fiscal Years

S.N.	Fiscal Year	Total Capacity (MVA)	Total Increment (MVA)
1	2072/073	2,223	
2	2073/074	2,618	394
3	2074/075	3,198	580
4	2075/076	3,935	738
5	2076/077	4,300	364
6	2077/078	6,434	2,134
7	2078/079	7,149	715
8	2079/080	8,867	1,718
9	2080/081	13,050	4,183
10	2081/082	14,123	1,073
Total Increment in Ten Years			11,899

Source: NEA

## 7. Existing Cross Border Transmission Line between Nepal and India

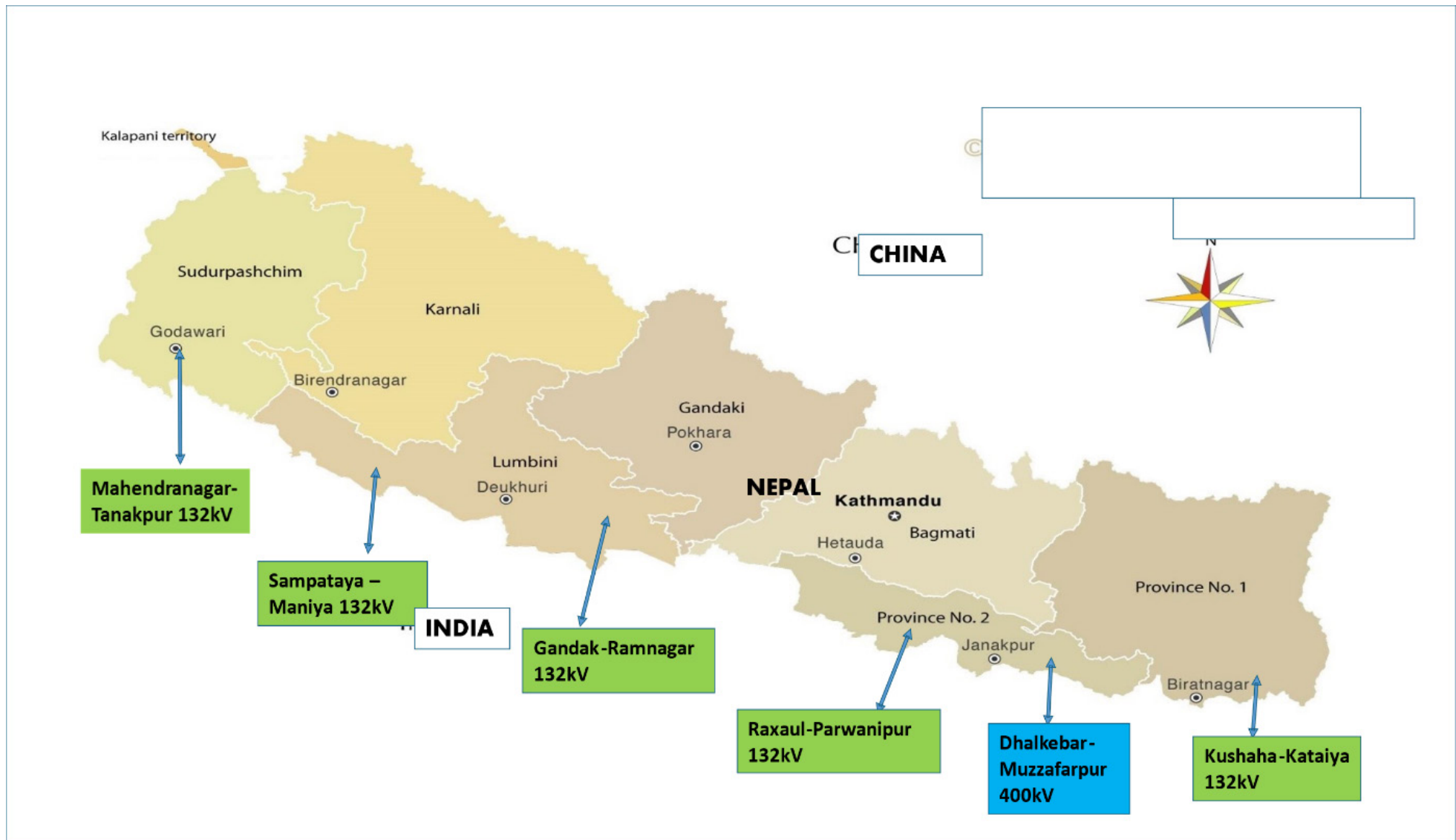


Fig. 2 Major Existing Cross- Border lines between Nepal and India Source: (NEA,2025)

## 8. Under Construction/ Planned cross border transmission links between Nepal & India:

S. N	India – Nepal Cross-Border Transmission Links (Under Construction/Planned)	Remarks
1	Dhalkebar – Sitamarhi 400kV D/c (Quad Moose) TL (India)	
2	Nepalgunj – Nanpara 132 kV D/C Line	
3	New Butwal – Gorakhpur 400kV D/c (Quad Moose) TL (India)	Under Construction; to be charged at 220 kV
4	Inaruwa – Purnea (New) 400kV D/c (Quad Moose) TL (India)	JV and SHA Signed
5	Lumki (Dododhara) – Bareilly 400kV D/c (Quad Moose) TL (India)	JV and SHA Signed
6	Lamahi – Lakhnow 400kV D/c (Quad Moose) TL (India)	
7	Anarmani – Kishanganj/Purnea 400kV D/c (Quad Moose) TL (India)	
8	Nijgadh – Motihari 400kV D/c (Quad Moose) TL (India)	
9	Chameliya( Balach)- Jaulijivi 220KV D/c line	

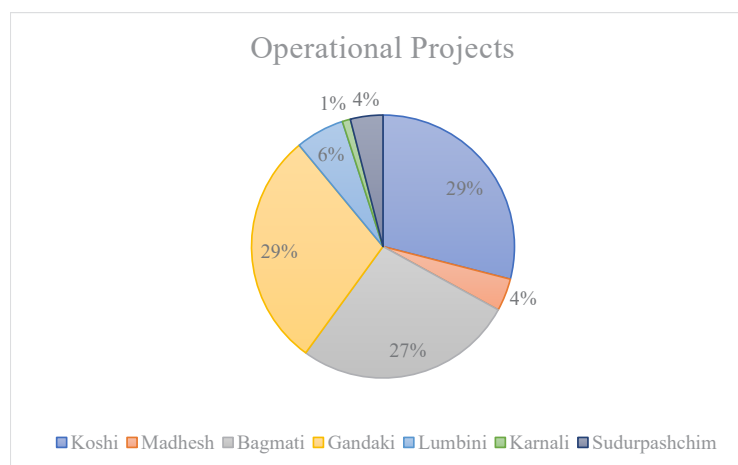
Source: Urja Samridhhi

# PROVINCE-WISE ENERGY STATISTICS

## A. Energy Projects by Operational Status

Province	Government- Operational Projects		IPPs- Operational Projects	
	Numbers	Capacity (MW)	Numbers	Capacity (MW)
Koshi	2	45.2	64	798.3585
Madhesh	0	0	9	35
Bagmati	14	255.32	60	1388.9509
Gandaki	6	301.3	64	872.232
Lumbini	2	16.024	14	91.41
Karnali	0	0	3	12.55
Sudurpashchim	1	30	10	136.866
Total	25	647.844	224	3335.3674

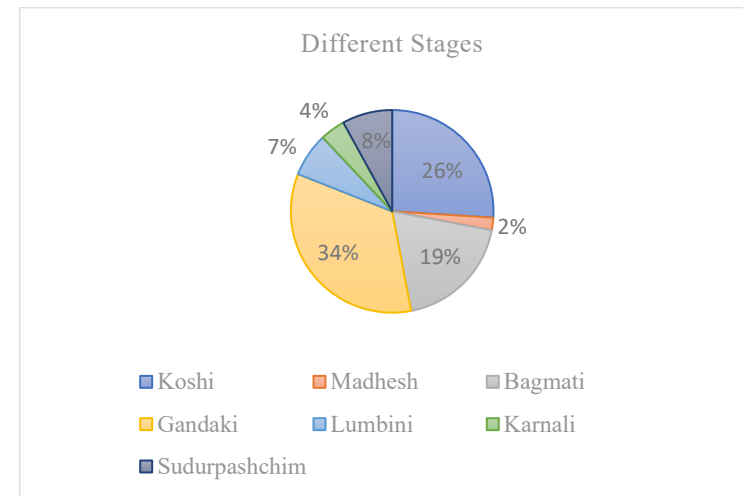
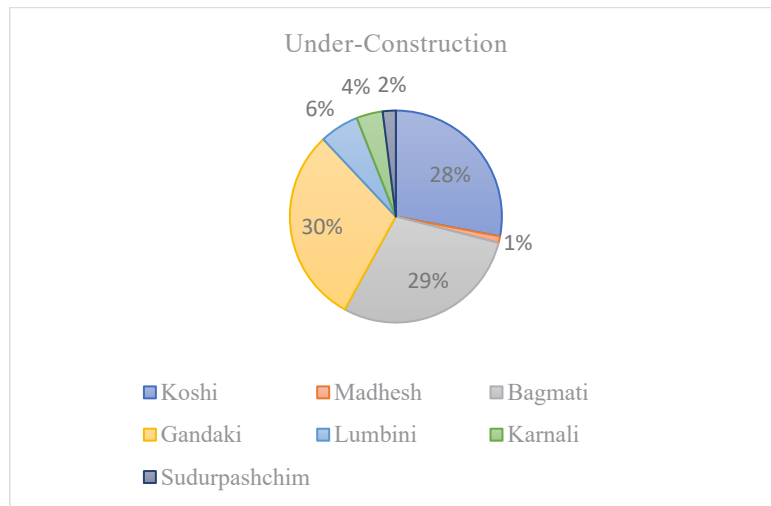
**IPPs Province wise share (%) (All Energy Projects)**



## B. Province-wise Energy Projects by Under- Constructional Status & Different Stages

Province	Under-Construction		Different Stages	
	Numbers	Capacity (MW)	Numbers	Capacity (MW)
Koshi	54	1470.42	23	617.421
Madhesh	2	13	2	10
Bagmati	56	1573.45	17	224.807
Gandaki	57	2105.44	31	823.499
Lumbini	12	135.455	6	729.78
Karnali	8	187.891	4	617.421
Sudurpashchim	4	270.354	7	302.33
<b>Total</b>	<b>193</b>	<b>5756</b>	<b>90</b>	<b>2266.32</b>

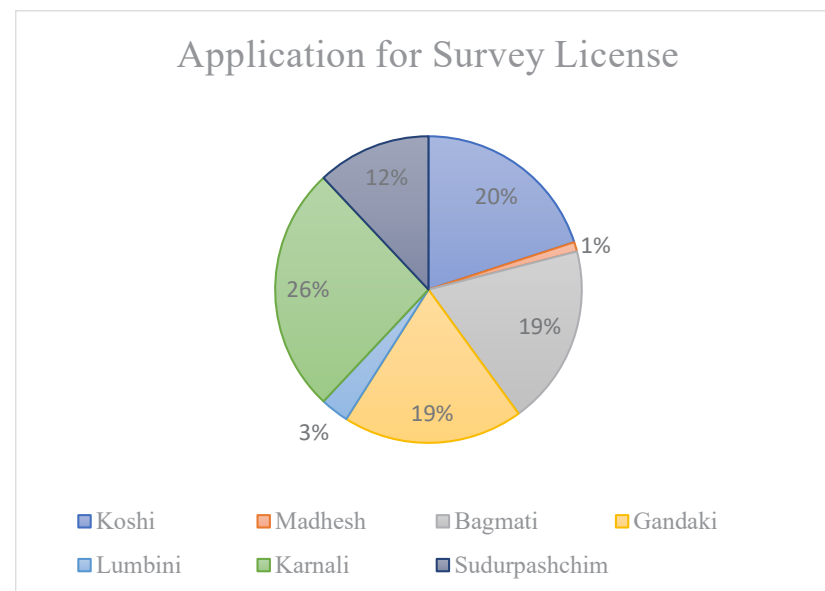
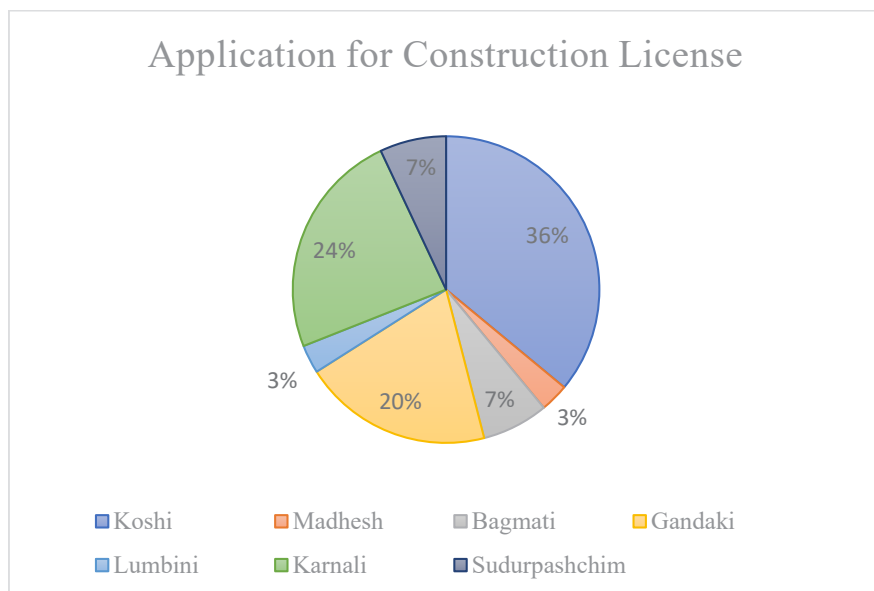
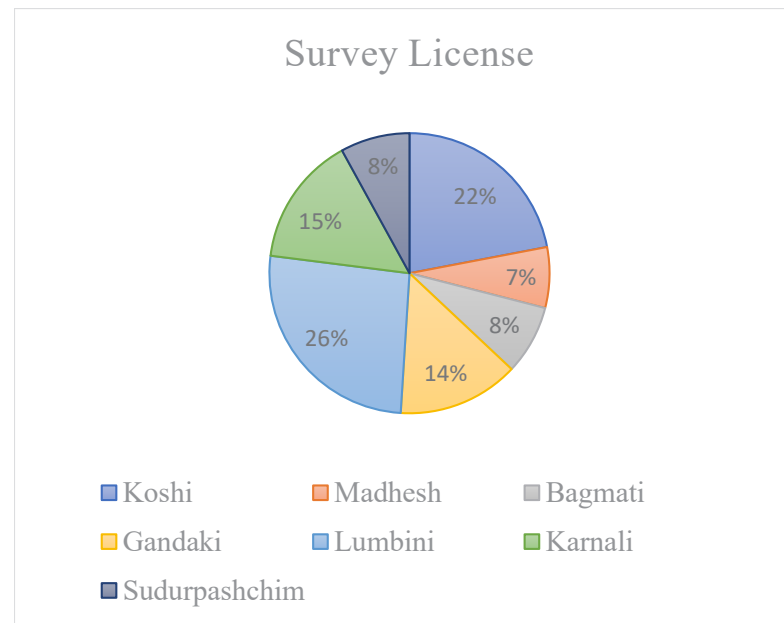
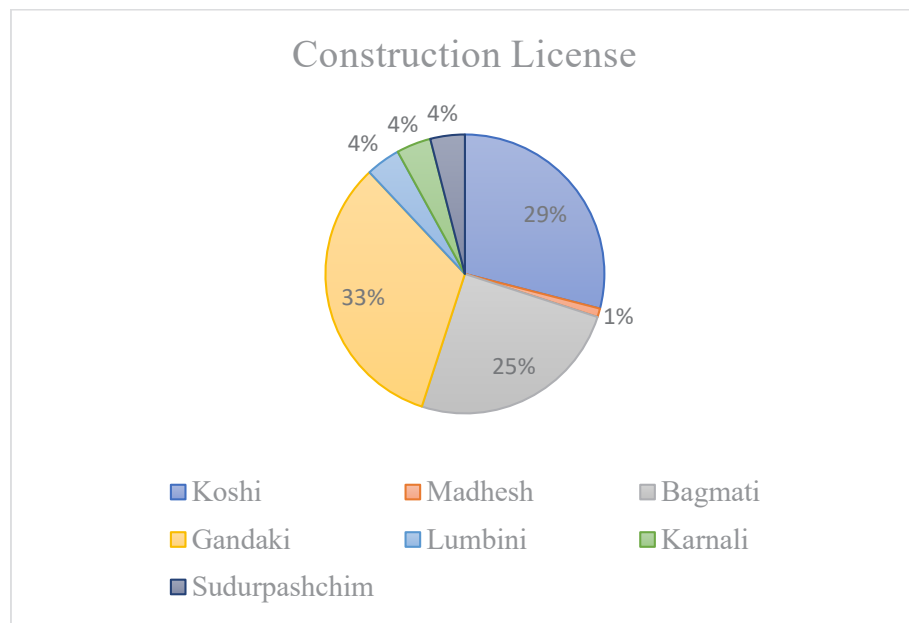
**IPPs Province wise share (%) (All Energy Projects)**



### C. Province-wise Energy Projects by Development Status

Province	Construction License		Survey License		Application for Construction License		Application for Survey License	
	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)	No.	Capacity (MW)
Koshi	81	3175.83	72	2425.53	22	3076.14	40	1514.76
Madhesh	3	18	22	238.5	2	12	2	46
Bagmati	70	1978.03	28	2212.24	4	138.1	37	1861.35
Gandaki	94	3557.85	45	1253.53	12	2045.95	38	1093.97
Lumbini	11	148.5	86	1696.44	2	100	7	64
Karnali	13	1270.71	48	2798.53	15	3977.34	52	1353.84
Sudurpashchim	11	897.854	28	1891.92	4	968.34	24	388.52
Total	283	11144.4	329	12544	61	10317.9	200	6321.77

### IPPs Province wise share (%) (All Energy Projects)



# DISTRICT-WISE ENERGY PROJECTS

## A. Operational Energy Projects

### Hydropower Projects (Private Sector)

#### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1.	Taplejung	10	163.37
2.	Panchthar	5	60.435
3.	Illam	16	118.25
4.	Therathum	2	12.3
5.	Sankhuwasabha	11	66.815
6.	Dhankuta	1	0.04
7.	Bhojpur	3	17.7
8.	Khotang	3	10.596
9.	Solukhumbu	10	314.5525
10.	Okhaldhunga	2	9.5
	<b>Total</b>	<b>63</b>	<b>773.5585</b>

#### Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1.	Dhading	4	11.068
2.	Dolakha	14	612.876
3.	Rasuwa	7	287.7
4.	Sindhupalchok	18	245.418
5.	Ramechhap	8	181.5825
6.	Nuwakot	3	20.993
7.	Kathmandu	1	0.25
8.	Lalitpur	3	17.3564
9.	Makwanpur	1	11
	<b>Total</b>	<b>59</b>	<b>1388.2439</b>

#### Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1.	Myagdi	10	294.9
2.	Parbat	5	52.496
3.	Baglung	4	13.76
4.	Sayangja	1	9.4
5.	Gorkha	7	24.045
6.	Lamjung	21	258.388
7.	Kaski	17	210.243
	<b>Total</b>	<b>65</b>	<b>863.232</b>

#### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1.	Palpa	1	0.75
2.	Pyuthan	1	12
3.	Gulmi	3	12.2
4.	Rukum	1	5
	<b>Total</b>	<b>6</b>	<b>29.95</b>

#### Karnali

S.N.	Districts	Numbers	Capacity (MW)
1.	Dailekh	3	12.55
	<b>Total</b>	<b>3</b>	<b>12.55</b>

#### Sudurpaschim

S.N.	Districts	Numbers	Capacity (MW)
1.	Bajang	4	65.486
2.	Doti	2	4.88
3.	Darchula	4	66.5
	<b>Total</b>	<b>10</b>	<b>136.88</b>

## Solar Project (Private Sector)

### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1	Jhapa	1	10
2	Morang	1	8
3	Sunsari	1	6.8
	<b>Total</b>	<b>3</b>	<b>24.8</b>

### Madesh-Pradesh

S.N.	Districts	Numbers	Capacity (MW)
1	Dhanusa	3	14
2	Rautahat	1	4
3	Bara	1	1
4	Parsa	2	10
	<b>Total</b>	<b>7</b>	<b>29</b>

### Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1	Nuwakot	1	0.023
2	Lalitpur	1	0.6804
	<b>Total</b>	<b>2</b>	<b>0.7034</b>

### Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1	Kaski	1	4
2	Tanahu	1	5
	<b>Total</b>	<b>2</b>	<b>9</b>

### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	Nawalparasi (Susta West)	3	7.96
2	Rupandehi	1	8.5
3	Banke	2	20
4	Kaplivastu	2	25
	<b>Total</b>	<b>8</b>	<b>56.46</b>

## Co-Generation Projects (Private Sector)

### Madesh-Pradesh

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Mahotarri</b>	<b>1</b>	<b>3</b>
2	<b>Sarlahi</b>	<b>1</b>	<b>3</b>
	<b>Total</b>	<b>2</b>	<b>6</b>

### Hydropower Projects (Government Sector)

#### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Illam</b>	<b>1</b>	<b>6.2</b>
	<b>Total</b>	<b>1</b>	<b>6.2</b>

#### Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Rasuwa</b>	<b>1</b>	<b>60</b>
2	<b>Sindhupalchok</b>	<b>1</b>	<b>10.05</b>
3	<b>Nuwakot</b>	<b>2</b>	<b>38.1</b>
4	<b>Kaverpalchok</b>	<b>1</b>	<b>2.4</b>
5	<b>Makwanpur</b>	<b>3</b>	<b>134.82</b>
	<b>Total</b>	<b>8</b>	<b>245.37</b>

#### Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Myagdi</b>	<b>1</b>	<b>2</b>
2	<b>Parbat</b>	<b>1</b>	<b>14.8</b>
3	<b>Syangja</b>	<b>1</b>	<b>144</b>
4	<b>Lamjung</b>	<b>1</b>	<b>70</b>
5	<b>Kaski</b>	<b>1</b>	<b>1.5</b>
6	<b>Tanahu</b>	<b>1</b>	<b>69</b>
	<b>Total</b>	<b>6</b>	<b>301.3</b>

### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Nawalparasi</b>	<b>1</b>	<b>15</b>
2	<b>Palpa</b>	<b>1</b>	<b>1.024</b>
	<b>Total</b>	<b>2</b>	<b>16.024</b>

### Sudurpaschim

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Darchula</b>	<b>1</b>	<b>30</b>
	<b>Total</b>		

### Solar Projects (Government Sector)

#### Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Nuwakot</b>	<b>5</b>	<b>24.36</b>
	<b>Total</b>	<b>5</b>	<b>24.26</b>

### Thermal Projects (Government Sector)

#### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Morang</b>	<b>1</b>	<b>39</b>
	<b>Total</b>	<b>1</b>	<b>39</b>

#### Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Makwanpur</b>	<b>1</b>	<b>14.41</b>
	<b>Total</b>	<b>1</b>	<b>14.41</b>

## Multiple Districts

S.N.	Districts	Numbers	Capacity (MW)
1	Lamjung & Kaski	2	15.4
2	Makawanpur & Lalitpur	1	2.2
3	Taplejung & Panchthar	1	2.5
4	Solukhumbu & Ramechhap	3	158.505
5	Gorkha & Lamjung	1	9.050
6	Okhaldhunga & Solukhumbu	1	5
7	Baglung & Gulmi	1	9.6
	<b>Total</b>	<b>10</b>	<b>202.252</b>

## B. Under-Construction Private Sector Energy Projects

### Hydropower Projects

#### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1.	Taplejung	14	758.829
2.	Panchthar	2	23.8
3.	Illam	2	18.3
4.	Therathum	1	5.5
5.	Sankhuwasabha	13	359.942
6.	Dhankuta	1	0.996
7.	Bhojpur	6	58.624
8.	Solukhumbu	9	113.136
9.	Okhaldhunga	2	36
	<b>Total</b>	<b>50</b>	<b>1375.127</b>

#### Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1	Dhading	4	98.175
2	Dolakha	14	420.907
3	Kaverpalanchowk	2	7.5
4	Lalitpur	2	48.36
5	Nuwakot	5	33.925
6	Ramechhap	4	75.5
7	Rasuwa	6	413.99
8	Sindhupalchowk	14	292.613
9	Gorkha	1	35
	<b>Total</b>	<b>52</b>	<b>1418.47</b>

#### Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1	Tanahu	3	223.16
2	Rukum (East)	1	44.52
3	Parbat	1	3.75
4	Myagdi	10	439.539
5	Nawalparasi	1	15
6	Mustang	1	2.2
7	Manang	5	318.892
8	Lamjung	11	268.31
9	Kaski	12	300.822
10	Gorkha	8	392.943
11	Baglung	4	16.3
	<b>Total</b>	<b>57</b>	<b>1632.614</b>

#### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	Argakhanchi	1	0.905
2	Gulmi	2	1.885
	<b>Total</b>	<b>3</b>	<b>2.79</b>

#### Karnali

S.N.	Districts	Numbers	Capacity (MW)
1	Dailekh	2	6.35
2	Dolpa	1	106
3	Kalikot	2	25.5
4	Rukum West	3	50.041
	<b>Total</b>	<b>8</b>	<b>487.891</b>

### Sudur-Paschim

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Darchula</b>	<b>1</b>	<b>28.304</b>
2	<b>Bajhang</b>	<b>2</b>	<b>227.05</b>
	<b>Total</b>	<b>3</b>	<b>255.354</b>

### Solar Projects

#### Madhesh-Pradesh

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Dhanusa</b>	<b>1</b>	<b>5</b>
2	<b>Parsa</b>	<b>1</b>	<b>8</b>
	<b>Total</b>	<b>2</b>	<b>13</b>

#### Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Nawalparasi</b>	<b>1</b>	<b>15</b>
	<b>Total</b>	<b>1</b>	<b>15</b>

#### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Argakhanchi</b>	<b>1</b>	<b>10</b>
2	<b>Banke</b>	<b>1</b>	<b>30</b>
3	<b>Bardiya</b>	<b>1</b>	<b>25</b>
4	<b>Dang</b>	<b>2</b>	<b>13</b>
5	<b>Kapilvastu</b>	<b>2</b>	<b>38</b>
6	<b>Parasi/Nawalparasi West</b>	<b>1</b>	<b>15</b>
	<b>Total</b>	<b>8</b>	<b>131</b>

### Sudur-Paschim

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Kanchanpur</b>	<b>1</b>	<b>15</b>
	<b>Total</b>	<b>1</b>	<b>15</b>

### Multiple Districts

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Panchthar &amp; Taplejung</b>	<b>1</b>	<b>3.76</b>
2	<b>Ramechhap &amp; Dolakha</b>	<b>2</b>	<b>51.8</b>
3	<b>Kavrepalanchowk, Ramechhap, Sindhupalchowk &amp; Dolakha</b>	<b>1</b>	<b>6</b>
4	<b>Gorkha &amp; Chitwan</b>	<b>1</b>	<b>70</b>
5	<b>Lamjung &amp; Gorkha</b>	<b>1</b>	<b>2</b>
6	<b>Ramechhap &amp; Okhaldhunga</b>	<b>1</b>	<b>30</b>
7	<b>Tanahu &amp; Gorkha</b>	<b>1</b>	<b>90</b>
	<b>Total</b>	<b>8</b>	<b>253.56</b>

## c. Different Stages Private Sector Energy Projects

### Hydropower Projects

#### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1	Bhojpur	4	20.665
2	Dhankuta	1	0.64
3	Khotang	1	5.4
4	Okhaldhunga	1	6
5	Sankhuwasabha	10	23.5419
6	Solukhumbu	1	9.54
7	Taplejung	3	200.3175
8	Panchthar	1	2.3975
9	Terhathum	1	2
	<b>Total</b>	<b>23</b>	<b>270.5019</b>

#### Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1	Dhading	2	24.5
2	Dolakha	5	70.25
3	Ramechhap	2	5.4
4	Makwanpur	1	4.444
5	Rasuwa	2	30.6
6	Sindhupalchowk	6	89.613
	<b>Total</b>	<b>18</b>	<b>224.807</b>

#### Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1	Baglung	1	6.05
2	Gorkha	9	428.208
3	Kaski	4	22.8355
4	Tanahu	1	0.4455

5	Lamjung	2	16.7
6	Manang	3	165
7	Myagdi	11	182.26
8	Nawalpur	1	2
	<b>Total</b>	<b>32</b>	<b>823.499</b>

#### Karnali

S.N.	Districts	Numbers	Capacity (MW)
1	Kalikot	2	595.49
2	Rukum West	1	20.731
	<b>Total</b>	<b>3</b>	<b>616.221</b>

#### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	Gulmi	1	0.98
2	Rukum West	1	0.998
	<b>Total</b>	<b>2</b>	<b>1.978</b>

#### Sudur-Paschim

S.N.	Districts	Numbers	Capacity (MW)
1	Baitadi	1	1
2	Bajhang	3	9.233
3	Darchula	2	3
4	Doti	1	8.5
5	Kailali	1	8.5
	<b>Total</b>	<b>8</b>	<b>30.233</b>

## Solar Projects

### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Jhapa</b>	<b>1</b>	<b>5</b>
	<b>Total</b>	<b>1</b>	<b>5</b>

### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Dang</b>	<b>1</b>	<b>1</b>
2	<b>Kapilvastu</b>	<b>2</b>	<b>20</b>
3	<b>Rolpa</b>	<b>1</b>	<b>50</b>
4	<b>Mahottari</b>	<b>1</b>	<b>5</b>
5	<b>Rautahat</b>	<b>1</b>	<b>5</b>
	<b>Total</b>	<b>6</b>	<b>81</b>

### Multiple Districts

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Taplejung &amp; Panchthar</b>	<b>1</b>	<b>4.795</b>
2	<b>Dolakha &amp; Ramechhap</b>	<b>1</b>	<b>9</b>
3	<b>Doti &amp; Kailali</b>	<b>1</b>	<b>17</b>
4	<b>Kaski &amp; Tanahu</b>	<b>1</b>	<b>0.891</b>
	<b>Total</b>	<b>4</b>	<b>31.686</b>

## D. District-wise Development Stages Energy Projects

### Construction License

### Hydropower Projects

#### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1	Bhojpur	10	99.1445
2	Illam	2	18.3
3	Khotang	4	18.4
4	Morang	1	1.8
5	Okhaldhunga	5	43.3
6	Solukhumbu	13	265.075
7	Sankhuwasabha	20	1539.6915
8	Panchthar	2	23.8
9	Taplejung	22	112.365
10	Terathum	2	10.3
	<b>Total</b>	<b>81</b>	<b>2132.2</b>

#### Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1	Kavrepalachowk	2	19.953
2	Lalitpur	2	17.203
3	Makawanpur	1	13.953
4	Dhanding	9	186.52
5	Dolakha	17	622.683
6	Nuwakot	7	77.725
7	Ramechhap	5	96.92
8	Rasuwa	8	396.51
9	Sindhupalachowk	18	414.745
10	Chitwan	1	33.33
	<b>Total</b>	<b>70</b>	<b>1879.5</b>

#### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	Nawalparasi	2	21.08
2	Palpa	1	3.44
3	Rukum East	2	67.88
4	Gulmi	2	17.1
	<b>Total</b>	<b>7</b>	<b>109.5</b>

#### Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1	Myagdi	25	689.229
2	Tanahu	2	159.08
	<b>Total</b>	<b>27</b>	<b>848.309</b>

#### Sudurpaschim

S.N.	Districts	Numbers	Capacity (MW)
1	Baitadi	1	14.152
2	Darchula	3	101.152
3	Bajhang	6	546.05
4	Doti	1	8.5
5	Kailali	2	154.833
	<b>Total</b>	<b>13</b>	<b>824.687</b>

## Solar Projects

### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Morang</b>	<b>1</b>	<b>8</b>
2	<b>Sunsari</b>	<b>1</b>	<b>8</b>
3	<b>Jhapa</b>	<b>1</b>	<b>5</b>
	<b>Total</b>	<b>3</b>	<b>21</b>

### Madhesh-Pradesh

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Dhanusha</b>	<b>2</b>	<b>15</b>
	<b>Total</b>	<b>2</b>	<b>15</b>

### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Kapilvastu</b>	<b>3</b>	<b>29</b>
2	<b>Arghakhachi</b>	<b>1</b>	<b>10</b>
	<b>Total</b>	<b>4</b>	<b>39</b>

### Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Lamjung</b>	<b>1</b>	<b>1.6</b>
2	<b>Nawalparasi</b>	<b>1</b>	<b>5.8</b>
	<b>Total</b>	<b>2</b>	<b>7.4</b>

### Karnali

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Surkhet</b>	<b>2</b>	<b>2.2</b>
	<b>Total</b>	<b>2</b>	<b>2.2</b>

### Multiple Districts

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Kavrepalanchok, Lalitpur &amp; Makawanpur</b>	<b>1</b>	<b>41.86</b>
2	<b>Dolakha &amp; Ramechhap</b>	<b>2</b>	<b>51.8</b>
3	<b>Gorkha &amp; Lamjung</b>	<b>1</b>	<b>2</b>
4	<b>Bhojpur &amp; Sankhuwasabha</b>	<b>1</b>	<b>41.061</b>
5	<b>Okhaldhunga, Ramechhap &amp; Solukhumbu</b>	<b>1</b>	<b>30</b>
6	<b>Okhaldhunga &amp; Solukhumbu</b>	<b>2</b>	<b>14.6</b>
7	<b>Panchthar &amp; Taplejung</b>	<b>1</b>	<b>37.6</b>
8	<b>Baglung &amp; Gulmi</b>	<b>2</b>	<b>34.2</b>
9	<b>Nawalparasi &amp; Tanahu</b>	<b>1</b>	<b>38.16</b>
10	<b>Achham, Kailali &amp; Surkhet</b>	<b>1</b>	<b>439</b>
11	<b>Okhaldhunga &amp; Ramechhap</b>	<b>1</b>	<b>6</b>
12	<b>Dolpa &amp; Jajarkot</b>	<b>1</b>	<b>106</b>
13	<b>Rukum (East &amp; West)</b>	<b>1</b>	<b>46.72</b>
14	<b>Chitwan, Gorkha &amp; Dhading</b>	<b>1</b>	<b>100</b>
15	<b>Baitadi &amp; Darchula</b>	<b>1</b>	<b>28.304</b>
16	<b>Doti &amp; Kailali</b>	<b>1</b>	<b>17</b>
	<b>Total</b>	<b>19</b>	<b>1034.3</b>

## Survey License

### Hydropower Projects

#### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Panchthar</b>	<b>6</b>	<b>101.7057</b>
2	<b>Taplejung</b>	<b>17</b>	<b>314.2867</b>
3	<b>Terthathum</b>	<b>2</b>	<b>68.67</b>
4	<b>Bhojpur</b>	<b>5</b>	<b>369.96</b>
5	<b>Illam</b>	<b>1</b>	<b>38.14</b>
6	<b>Khotang</b>	<b>4</b>	<b>27.514</b>
7	<b>Okhaldhunga</b>	<b>3</b>	<b>53.13</b>
8	<b>Sankhuwasaba</b>	<b>18</b>	<b>1143.64</b>
9	<b>Solukhumbu</b>	<b>8</b>	<b>43.3</b>
	<b>Total</b>	<b>64</b>	<b>2159.3461</b>

#### Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Dhanding</b>	<b>6</b>	<b>286.67</b>
2	<b>Chitwan</b>	<b>2</b>	<b>306.11</b>
3	<b>Dolakha</b>	<b>2</b>	<b>652.8</b>
4	<b>Kathmandu</b>	<b>1</b>	<b>9.625</b>
5	<b>Makwanpur</b>	<b>5</b>	<b>128.775</b>
6	<b>Kaverpalachok</b>	<b>1</b>	<b>227.67</b>
7	<b>Ramechhap</b>	<b>4</b>	<b>249.87</b>
8	<b>Sindhupalanchok</b>	<b>2</b>	<b>238.397</b>
9	<b>Lalitpur</b>	<b>4</b>	<b>22.75</b>
10	<b>Nuwakot</b>	<b>2</b>	<b>34</b>
11	<b>Rasuwa</b>	<b>3</b>	<b>36.08</b>
12	<b>Sindhuli</b>	<b>1</b>	<b>4.5</b>
	<b>Total</b>	<b>33</b>	<b>2197.247</b>

#### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Pyuthan</b>	<b>1</b>	<b>9.6</b>
2	<b>Rolpa</b>	<b>8</b>	<b>54.73</b>
3	<b>Rukum (East)</b>	<b>15</b>	<b>370.77</b>
4	<b>Gulmi</b>	<b>1</b>	<b>8.345</b>
	<b>Total</b>	<b>25</b>	<b>443.445</b>

#### Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Baglung</b>	<b>6</b>	<b>44.215</b>
2	<b>Gorkha</b>	<b>8</b>	<b>352.913</b>
3	<b>Kaski</b>	<b>3</b>	<b>54.68</b>
4	<b>Tanahu</b>	<b>3</b>	<b>94.46</b>
5	<b>Lamjung</b>	<b>2</b>	<b>336.7</b>
6	<b>Manang</b>	<b>3</b>	<b>135.11</b>
7	<b>Myagdi</b>	<b>8</b>	<b>49.978</b>
	<b>Total</b>	<b>33</b>	<b>1068.056</b>

#### Karnali

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Dolpa</b>	<b>4</b>	<b>187.85</b>
2	<b>Humla</b>	<b>13</b>	<b>593.716</b>
3	<b>Jajarkot</b>	<b>7</b>	<b>568.3</b>
4	<b>Rukum West</b>	<b>5</b>	<b>111.43</b>
5	<b>Jumla</b>	<b>6</b>	<b>171.395</b>
6	<b>Kalikot</b>	<b>8</b>	<b>192.965</b>
7	<b>Mugu</b>	<b>4</b>	<b>182.27</b>
8	<b>Dailekh</b>	<b>1</b>	<b>300</b>
9	<b>Surkhet</b>	<b>1</b>	<b>300</b>
	<b>Total</b>	<b>49</b>	<b>2607.926</b>

## Sudurpaschim

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Bajura</b>	7	<b>144.04</b>
2	<b>Achham</b>	1	<b>300</b>
3	<b>Darchula</b>	4	<b>830.981</b>
4	<b>Bajhang</b>	8	<b>327.9</b>
5	<b>Baitadi</b>	1	<b>10</b>
	<b>Total</b>	<b>21</b>	<b>1612.921</b>

## Solar Projects

### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Jhapa</b>	4	<b>120</b>
2	<b>Morang</b>	1	<b>10</b>
3	<b>Sankhuwasaba</b>	1	<b>10</b>
4	<b>Solukhumbu</b>	1	<b>10</b>
5	<b>Sunsari</b>	3	<b>95</b>
6	<b>Udayapur</b>	1	<b>10</b>
	<b>Total</b>	<b>11</b>	<b>255</b>

### Madhesh-Pradesh

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Bara</b>	2	<b>20</b>
2	<b>Sarlahi</b>	4	<b>40</b>
3	<b>Siraha</b>	2	<b>20</b>
4	<b>Dhanusha</b>	4	<b>54</b>
5	<b>Mahottari</b>	5	<b>59.5</b>
6	<b>Parsa</b>	1	<b>10</b>
7	<b>Rautahat</b>	3	<b>20</b>
	<b>Total</b>	<b>21</b>	<b>223.5</b>

## Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Ramechhap</b>	1	<b>5</b>
2	<b>Kavrepalanchowk</b>	1	<b>10</b>
	<b>Total</b>	<b>2</b>	<b>15</b>

## Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Baglung</b>	3	<b>40</b>
2	<b>Gorkha</b>	1	<b>20</b>
3	<b>Parbat</b>	3	<b>40</b>
4	<b>Nawalparasi East</b>	3	<b>90</b>
	<b>Total</b>	<b>10</b>	<b>190</b>

## Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Pyuthan</b>	1	<b>10</b>
2	<b>Palpa</b>	7	<b>135</b>
3	<b>Kapilvastu</b>	6	<b>75</b>
4	<b>Gulmi</b>	2	<b>20.99</b>
5	<b>Dang</b>	3	<b>50</b>
6	<b>Bardiya</b>	5	<b>110</b>
7	<b>Banke</b>	7	<b>465</b>
8	<b>Arghakhanchi</b>	2	<b>170</b>
9	<b>Rolpa</b>	2	<b>150</b>
10	<b>Nawalparasi West</b>	1	<b>25</b>
11	<b>Rupandehi</b>	4	<b>35</b>
	<b>Total</b>	<b>40</b>	<b>1245.99</b>

## Karnali

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Dailekh</b>	<b>1</b>	<b>30</b>
2	<b>Surkhet</b>	<b>1</b>	<b>10</b>
	<b>Total</b>	<b>2</b>	<b>40</b>

## Sudurpaschim

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Kailali</b>	<b>4</b>	<b>90</b>
2	<b>Kanchanpur</b>	<b>2</b>	<b>24</b>
	<b>Total</b>	<b>6</b>	<b>114</b>

## Wind Projects

### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Banke</b>	<b>2</b>	<b>20</b>
	<b>Total</b>	<b>2</b>	<b>20</b>

### Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Mustang</b>	<b>3</b>	<b>5</b>
	<b>Total</b>	<b>3</b>	<b>5</b>

### Co-generation Projects

### Madhesh-Pradesh

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Bara</b>	<b>1</b>	<b>15</b>
	<b>Total</b>	<b>1</b>	<b>15</b>

## Multiple Districts

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Bajura &amp; Humla</b>	<b>1</b>	<b>70</b>
2	<b>Achham, Dailekh &amp; Surkhet</b>	<b>1</b>	<b>900</b>
3	<b>Baglung &amp; Gulmi</b>	<b>1</b>	<b>16.69</b>
4	<b>Chitawan &amp; Tanahu</b>	<b>1</b>	<b>117.72</b>
5	<b>Baitadi &amp; Darchula</b>	<b>1</b>	<b>20</b>
6	<b>Sankhuwasabha &amp; Bhojpur</b>	<b>1</b>	<b>679</b>
7	<b>Panchthar &amp; Taplejung</b>	<b>1</b>	<b>15</b>
8	<b>Panchthar, Taplejung &amp; Terhathum</b>	<b>1</b>	<b>200</b>
9	<b>Jumla &amp; Kalikot</b>	<b>1</b>	<b>70.37</b>
10	<b>Jajarkot &amp; Rukum</b>	<b>1</b>	<b>78</b>
11	<b>Kaski &amp; Tanahu</b>	<b>1</b>	<b>9.8</b>
12	<b>Lalitpur &amp; Makawanpur</b>	<b>3</b>	<b>38.3</b>
13	<b>Kavrepalanchok, Ramechhap &amp; Sindhupalchok</b>	<b>1</b>	<b>683</b>
14	<b>Kathmandu &amp; Makawanpur</b>	<b>1</b>	<b>19.25</b>
15	<b>Chitawan &amp; Dhading</b>	<b>1</b>	<b>494.5</b>
	<b>Total</b>	<b>17</b>	<b>3401.83</b>

## Application for Construction License

### Hydropower Projects

#### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1	Taplejung	5	191.9
2	Solukhumbu	16	1297.793
3	Bhojpur	1	5
4	Khotang	2	223.33
5	Okhaldhunga	3	229.33
6	Sankhuwasabha	6	1666.01
	<b>Total</b>	<b>33</b>	<b>3613.363</b>

#### Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1	Dolakha	1	88
2	Makwanpur	1	4.5
3	Rasuwa	1	24.6
4	Sindhupalanchowk	1	21
	<b>Total</b>	<b>4</b>	<b>137.8</b>

#### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	Palpa	1	180
	<b>Total</b>	<b>1</b>	<b>180</b>

#### Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1	Baglung	2	836.8
2	Gorkha	4	148.05
3	Lamjung	3	332.1
4	Tanahu	2	171
5	Kaski	2	168
6	Manang	1	300
7	Syangja	1	90
	<b>Total</b>	<b>15</b>	<b>2045.95</b>

#### Karnali

S.N.	Districts	Numbers	Capacity (MW)
1	Humla	5	1294.87
2	Mugu	5	1352.12
3	Kalikot	2	503.9
4	Jajarkot	4	621.275
5	Rukum	1	135
6	Dolpa	2	387.175
	<b>Total</b>	<b>19</b>	<b>3994.34</b>

#### Sudur-Paschim

S.N.	Districts	Numbers	Capacity (MW)
1	Bajura	1	634
2	Dadeldhura	1	2.5
3	Darchula	2	14.84
	<b>Total</b>	<b>4</b>	<b>651.34</b>

## Solar Projects

### Madhesh-Pradesh

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Siraha</b>	<b>1</b>	<b>4</b>
2	<b>Bara</b>	<b>1</b>	<b>8</b>
	<b>Total</b>	<b>2</b>	<b>12</b>

### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Dang</b>	<b>1</b>	<b>10</b>
	<b>Total</b>	<b>1</b>	<b>10</b>

### Multiple Districts

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Khotang, Okhaldhunga &amp; Solukhumbu</b>	<b>2</b>	<b>670</b>
2	<b>Bajura, Humla &amp; Mugu</b>	<b>1</b>	<b>1902</b>
3	<b>Jajarkot &amp; Rukum</b>	<b>1</b>	<b>270</b>
4	<b>Humla &amp; Mugu</b>	<b>1</b>	<b>235</b>
5	<b>Dolpa &amp; Jajarkot</b>	<b>1</b>	<b>124.35</b>
6	<b>Palpa &amp; Syangja</b>	<b>1</b>	<b>180</b>
7	<b>Lamjung &amp; Manang</b>	<b>1</b>	<b>600</b>
8	<b>Gorkha &amp; Tanahu</b>	<b>1</b>	<b>90</b>
9	<b>Gorkha &amp; Lamjung</b>	<b>1</b>	<b>4.2</b>
	<b>Total</b>	<b>11</b>	<b>4075.55</b>

## Application for Survey License

### Hydropower Projects

#### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1	Bhojpur	2	27.65
2	Khotang	1	353.175
3	Panchthar	4	98.79
4	Sankhuwasaba	14	117.53
5	Solukhumbu	9	270.225
6	Sunsari	1	40
7	Taplejung	6	213.99
8	Udhyapur	1	3.65
9	Okhaldhunga	1	339.25
10	Dhankuta	1	49.5
	<b>Total</b>	<b>40</b>	<b>1513.76</b>

#### Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1	Chitwan	3	66.52
2	Dhading	6	814.49
3	Dolakha	7	105.72
4	Ramechhap	7	418.535
5	Lalitpur	2	8.025
6	Makwanpur	2	8.025
7	Nuwakot	1	2.3
8	Rasuwa	3	22.97
9	Sindhupalanchok	8	51.075
10	Sindhuli	2	351.65
	<b>Total</b>	<b>41</b>	<b>1849.31</b>

#### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	Dang	1	50
2	Gulmi	2	5
3	Nawalparasi	1	5
	<b>Total</b>	<b>4</b>	<b>60</b>

#### Gandaki

S.N.	Districts	Numbers	Capacity (MW)
1	Gorkha	14	873.817
2	Tanahu	3	30.8
3	Baglung	6	36.3
4	Kaski	4	27.99
5	Lamjung	3	10.6
6	Manang	2	15.5
7	Myagdi	5	61.99
8	Parbat	1	5
	<b>Total</b>	<b>38</b>	<b>1066.997</b>

#### Karnali

S.N.	Districts	Numbers	Capacity (MW)
1	Dolpa	8	170.89
2	Humla	15	220.33
3	Mugu	5	154.925
4	Jajarkot	15	232.71
5	Jumla	5	37.62
6	Kalikot	3	37.36
7	Rukum West	2	146.685
8	Surkhet	1	39.225
9	Dailekh	1	39.225
	<b>Total</b>	<b>55</b>	<b>1079.243</b>

### Sudurpaschim

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Achham</b>	<b>1</b>	<b>7.22</b>
2	<b>Bajura</b>	<b>8</b>	<b>108.81</b>
3	<b>Bajhang</b>	<b>7</b>	<b>74.62</b>
4	<b>Darchula</b>	<b>3</b>	<b>37.47</b>
5	<b>Doti</b>	<b>5</b>	<b>104.72</b>
6	<b>Kalikot</b>	<b>1</b>	<b>46</b>
	<b>Total</b>	<b>25</b>	<b>375.84</b>

### Solar Projects

#### Koshi

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Jhapa</b>	<b>1</b>	<b>758</b>
	<b>Total</b>	<b>1</b>	<b>758</b>

#### Madhesh-Pradesh

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Dhanusha</b>	<b>1</b>	<b>6</b>
2	<b>Parsa</b>	<b>1</b>	<b>40</b>
	<b>Total</b>	<b>2</b>	<b>46</b>

#### Bagmati

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Makwanpur</b>	<b>1</b>	<b>3.84</b>
2	<b>Chitwan</b>	<b>1</b>	<b>7.5</b>
	<b>Total</b>	<b>2</b>	<b>11.04</b>

### Lumbini

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Dang</b>	<b>2</b>	<b>4</b>
2	<b>Bardiya</b>	<b>1</b>	<b>1</b>
	<b>Total</b>	<b>3</b>	<b>5</b>

### Karnali

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Dailekh</b>	<b>1</b>	<b>5</b>
	<b>Total</b>	<b>1</b>	<b>5</b>

### Multiple Districts

S.N.	Districts	Numbers	Capacity (MW)
1	<b>Bajura &amp; Kalikot</b>	<b>1</b>	<b>92</b>
2	<b>Achham &amp; Bajura</b>	<b>1</b>	<b>14.44</b>
3	<b>Khotang, Okhaldhunga Ramechhap &amp; Sindhuli</b>	<b>1</b>	<b>1357</b>
4	<b>Bhojpur &amp; Sankhuwasabha</b>	<b>1</b>	<b>37.3</b>
5	<b>Humla &amp; Mugu</b>	<b>1</b>	<b>4.8</b>
6	<b>Nawalparasi &amp; Tanahu</b>	<b>1</b>	<b>10</b>
7	<b>Myagdi &amp; Parbat</b>	<b>1</b>	<b>10</b>
8	<b>Dhading &amp; Gorkha</b>	<b>2</b>	<b>1275</b>
9	<b>Chitawan &amp; Tanahu</b>	<b>2</b>	<b>124.8</b>
10	<b>Lalitpur &amp; Makawanpur</b>	<b>2</b>	<b>16.05</b>
11	<b>Dolakha &amp; Ramechhap</b>	<b>3</b>	<b>99.57</b>
	<b>Total</b>	<b>16</b>	<b>3040.96</b>

# Powering Prosperity: Nepal's Strategic Energy Roadmap

**30,000 MW**

## Generation Goal

Target for total installed electricity capacity within the next decade



## "One-Window" Administrative Service

Streamlining complex hydro and energy project approvals through a single regulatory gateway



## Diversified Storage & Solar

Integrating battery storage, pump storage, and net-metering for household solar



## 1,500 kWh Per Capita Target

Aiming for this annual domestic consumption level for every citizen by 2085 BS

## Industrial & EV Integration

Powering energy-intensive industries and establishing a nationwide electric vehicle charging network

## Regional Energy Diplomacy

Exporting surplus power to India and Bangladesh via strengthened cross-border transmission lines

**GENERATION & INFRASTRUCTURE EXPANSION**

**DOMESTIC CONSUMPTION & REGIONAL EXPORT**

# Disclaimer

This publication has been prepared using information obtained from publicly available sources, including the official websites and published materials of the Ministry of Energy, Water Resources and Irrigation (MoEWRI), Department of Electricity Development (DoED), Nepal Electricity Authority (NEA) and Securities Board of Nepal (SEBON). Additional data has been compiled through independent research conducted by the Independent Power Producers' Association, Nepal (IPPAN).

While every effort has been made to ensure the accuracy and reliability of the information presented, IPPAN assumes no responsibility for any inadvertent errors, omissions, or subsequent updates that may have occurred after the time of publication.



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