POWER PLANT DIRECTORY 2026

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Indian Power Sector

India's Power Sector is at 250 GW capacity in renewable energy (excluding nuclear) by 2025, which is expected to reach 500 GW by 2030.. There is significant shift in activity which includes strengthening grids, fuels, logistics and smart-metering.

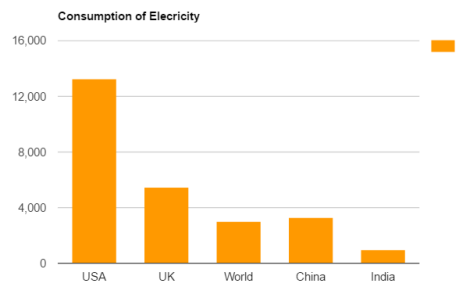
This Power Plant Directory 2026, is an attempt to profile the independent power producers, energy consultants, and EPC contractors with details of their existing power plants and their upcoming power plant capacities.

The directory covers all power plants based on coal, natural gas, biomass/bagasse and cogeneration power plants.

It covers the entire 224 GW thermal power plant capacity of India.

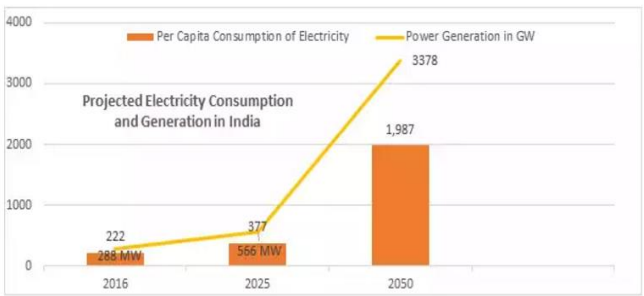
Overview

India ranks third in electricity production and ranks 110th in per capita consumption. It only goes to show the immense potential in India. The power generation which stands at 395 GW is likely to reach 700 GW by the year 2030. All sector of power generation viz. thermal, hydel, wind power and solar power are set to double in coming years. Renewable Energy accounts for 28% of total power generated. Solar Power is likely to get boost with mega thrust from government intending to generate more power from solar.



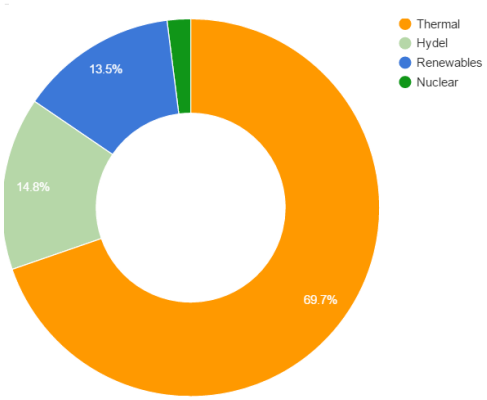
Though ranking third in the world, around 0.6 million people in India do not have access to electricity. This figure has been brought down from over 600 million in 2014 to 0.6 million now. Several rural electrification programme have been launched to reduce black outs and provide connectivity to villages.

It is imperative that a viable and sustainable Power Sector is developed for socioeconomic growth of the country. It is also a critical infrastructure input for success of government's various flagship initiatives like Make in India, Digital India, Skill India, Smart Cities, etc. As is widely acknowledged, there is a very high degree of correlation between power sector growth and economic growth. Electricity consumption is a key index that decides the development level of nation.



Focus on Renewable Energy: With coal and gas based power project have mired in various issues of coal shortage, uncertainties of price of Indonesian coal and falling natural gas production in the country, the focus has shifted to clean energy. Now green energy accounts for 28% of total power generated.

Indian Power Sector



Power Plants in India: India has around 800+ thermal power plants in India, 180+ major hydel power plants and 400 mini/micro hydel power plants, 40+ major wind farms and similar nos. of solar power plants. Offshore wind power and tidal power plants are yet to take off in India. Though a 100 MW offshore wind power project is in pipeline and a policy framework to harness its potential is underway.

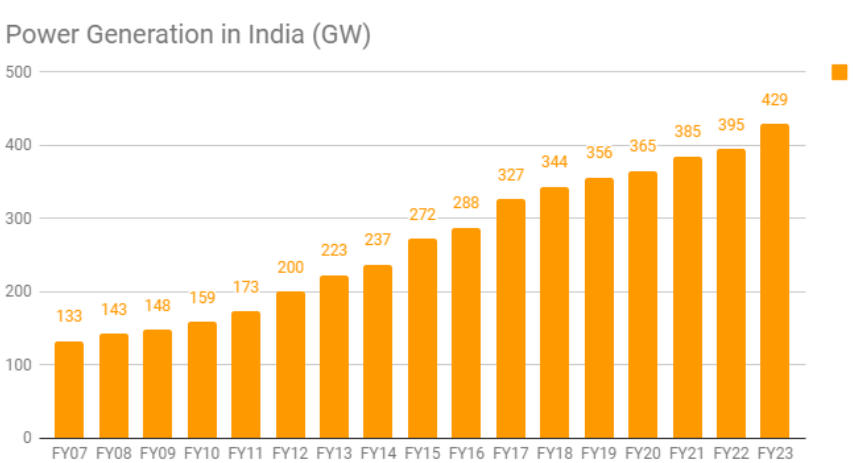
Installed capacity of the country is galloping at a healthy growth rate of 8.5% and above over the past 5 years. On this, renewable energy capacity is growing at a scorching pace of 18.7%. Only the hydel and nuclear capacity addition are not able to add new capacities due to long gestational periods

Off late, close to 100 GW power projects are stuck for various reasons like lack of power purchase agreements, coal shortage, lack of water supply, old age equipment and some of them were shut down due to uneconomical operations

➢ **Installed Generation Capacity (Fuelwise) as on 31.01.2024 :**

	Category		Installed Generation Capacity (MW)	% Share in Total
Fossil Fuel	Coal		2,08,189	48.4%
	Lignite		6,620	1.5%
	Gas		25,038	5.8%
	Diesel		589	0.1%
	Total Fossil Fuel :		**2,40,437**	**55.9%**
Non-Fossil Fuel	RES (Incl. Hydro)		1,82,045	42.3%
	Hydro	46,928		10.9%
	Wind, Solar & Other RE	1,35,116		31.4%
	Wind	*44,969*		*10.5%*
	Solar	*74,307*		*17.3%*
	BM Power/Cogen.	*10,262*		*2.4%*
	Waste to Energy	*584*		*0.1%*
	Small Hydro Power	*4,995*		*1.2%*
	Nuclear		7,480	1.7%
	Total Non-Fossil Fuel :		**1,89,525**	**44.1%**
	Total Installed Capacity (Fossil Fuel & Non-Fossil Fuel)		**4,29,961**	**100%**

Key Risks and Challenges: Power sector is a highly capital intensive business with long gestation periods before commencement of revenue streams. Coal-based power projects have development and construction period of 7-8 years and an even longer operating period (over 25 years). Since most of the projects have such a long time frame, there are some inherent risks in both the internal and external environment.



Indian Power Sector

Coal Supply Position : Close to 58% of India's power generation capacity is coal based and with coastal coal power projects depending on imports, any fluctuation of price of international coal play a role in fortune of power sector. Increased domestic production of coal from Coal India Ltd in recent years, to a large extent, addressed coal shortage faced by power plants and has reduced their dependence on imported coal.

Natural Gas: Natural gas production in the country has been falling continuously over the last few years. This has seriously impacted the viability of existing as well as upcoming gas based power plants. The government has implemented a scheme to enhance utilization of gas-based power plant. As per the modified Rangarajan formula for pricing of natural gas is fixed every quarter, makes gas based power project investment sensitive to external risks. The fuel cost has become now a pass-through for the gas-based generators who have signed "normative cost plus PPA" with the distribution utilities. The cost of power generation will remain vulnerable to volatility in gas prices internationally as well as the INR-USD exchange rate.

Inspite of GoI's effort to revive beleaguered gas-based power plants through e-auction based allocation of imported RLNG which provided a subsidy from the Power System Development Fund as well sacrifices made by all stakeholders, the future of gas based power projects looks gloomy for want of adequate gas supply. The PLFs continue to remain low. The power sector has been struggling to recover costs from capital investment in gas-based capacity. To make gas-based power projects viable, long-term solutions need to be found.

Rural Electrification: - Electricity for All has been the slogan for many years in India. However, the current government has set a fast pace in last mile connectivity of rural electrification. Ministry of Power Central Government aims to provide electricity to all house- holds by 2022 through its flagship programme Deendayal Upadhyaya Gramin Jyoti Yojana (DDUGJY). Though only ~ 9,000 villages are yet to be electrified, however electricity is still to reach all homes. Presently, ~ 75% of the house-holds have electricity. Even the ones who had connectivity, its reliability, quality and duration of supply remains the concern.

Execution risk of Power projects : Power generation projects are highly capital intensive and have a long development period which is currently close to 7 years compared to 4 years in developed world, exposing them to various risks.

During the development phase, a project faces several risks which include

Statutory Delays: Delays in statutory approvals like environment clearance/ airport tower clearances/ forest clearances and specific conditions of coastal regulation zone for coastal projects

Delays in land acquisition: Protests and politics forms a part of land acquisition of industrial projects now. Further there is a delay if any agricultural land has to be converted and notified statutorily for industrial use.

Other Delays: Non-availability or delays in obtaining fuel, water and transmission linkages

Factors affecting cost of capital - Delays leading to time over-runs, increase in project costs leading to cost over-runs, challenges in transportation/logistics of equipment,

Company Name	Location
3TIER India Pvt Ltd	Karnataka
A A Energy Ltd	Maharashtra
A B Grain Spirits Ltd	Haryana
A D Hydro Power Ltd	Uttar Pradesh
A Power Himalayas Ltd	Himachal Pradesh
A2Z Infra Engineering Ltd	Haryana
Aarti Sponge & Power Ltd	Chhattisgarh
Aarti Steels Ltd	Punjab
Aashman Solar Pvt Ltd	Tamil Nadu
Abellon Clean Energy Ltd	Gujarat
ABG Energy Gujarat Ltd	Maharashtra
Abhijeet Group (Power Division)	Maharashtra
ACB (India) Ltd	Haryana
ACC Ltd	Gujarat
Accion Wind Energy Pvt Ltd	Karnataka
Accord Energy Corp Pvt Ltd	Tamil Nadu
ACI Ecotech Pvt Ltd	Maharashtra
ACME Cleantech Solutions Ltd	Haryana
Acme Solar Energy (Madhya Pradesh) Pvt Ltd	Haryana
ACME Tele Power Ltd	Haryana
Adani Green Energy Ltd	Gujarat
Adani Mining Pvt Ltd	Gujarat
Adani Pench Power Ltd	Gujarat
Adani Power Dahej Ltd	Gujarat
Adani Power Ltd	Gujarat
Adani Power Maharashtra Ltd	Gujarat
Adani Power Rajasthan Ltd	Gujarat
Adhunik Power & Natural Resources Ltd	West Bengal
Adisankara Spinning Mills Pvt Ltd	Tamil Nadu
Aditya Birla Nuvo Ltd	Maharashtra
Aditya Green Energy Pvt Ltd	Maharashtra
Aeon Renewable Energy Solutions Pvt Ltd	Tamil Nadu
AES India Pvt Ltd	Odisha
Agency For Non-conventional Energy And Rural Technology	Kerala
Agni Solar Systems Pvt Ltd	Maharashtra
Agri Gold Power Projects Ltd	Andhra Pradesh
Ajanta Energy Pvt Ltd	Gujarat
Ajara Shetkari SSK Ltd	Maharashtra
Ajmer Vidyut Vitaran Nigam Ltd	Rajasthan

3TIER India Pvt Ltd

Group :

Corp Office

Farhaan Centre, T-2, #24/1, Walkers Lane,
Off. Langford Road, Richmond Town,
Bangalore-560025 Bangalore Karnataka

Tel : 080-40918220-21 Mobile :

Email : nrsingh@3tiergroup.com

About the Company

3TIER helps you reduce the uncertainty of wind power availability across both short-term and long-term time horizons. They statistically integrate the best available observations to accurately model weather patterns and climate anomalies that impact power production—anywhere in the world.

Current Projects

Key Personnel

Names	Designation	Tel/Email
Nikhilesh Ranjan Singh	Managing Director	
Arjit C	Analyst	
Vimal Kumar	Wind Energy Analyst	
Vitar Anto	India -Head	
Deepan Thangavel	Sr. Wind Resource Analyst	
Jason Singh		

Plants / Offices

A A Energy Ltd

Group :

Corp Office

101, Nikolas Tower, Central Baazar Road
Ramdaspeth
Nagpur-440010 Maharashtra
Tel : 0712-6638432 /2420688 Mobile :
Email : aaenergy@yahoo.com info@aaenergyltd.net admin@aaenergyltd.com

About the Company

A A Energy Ltd started its first biomass power plant which operates on rice husk as fuel at the rural area of Maharashtra in Gadchiroli in the year January 2009. The company has also set up a 150 tpd cement grinding unit at the same site in Wadasa in Gadchiroli which also uses fly ash generated by the 10 MW power plant.

Current Projects

Key Personnel

Names	Designation	Tel/Email
Swapnil Agarwal	Director	swapnilagarwal@rediffmail.com
Shiv Kumar Agarwal	Chairman	0-98222 04127
Latesh Agarwarl	Director	
Shrikant Agarwal	Director	
Aftab Khan	Plant Manager	0-98232 11485 /aftab.khan29@rediffmail.com
Nilesh Gahewar	Manager - Instrumentation	
Chandramani Chahande	Manager - Electrical	
Ashok Pandey	Engineer - Process	
Mahesh Bhandari	DGM-Accounts	
Chandrashekhar Naidu	Manager-Purchase	
Ritesh Mahapatra	Engineer-Mechanical	
Asma Anees Ahmed	Director	

Plants / Offices

Plant	Tel: 07137 – 202525, 273890
Desaiganj	
Wadasa, Gadichiroli District	Email: info@aaenergyltd.com
Desaiganj - Maharashtra	
Mr. Aftab Khan, Plant Manager	

Captive Power Plant	:	
Existing Capacity	:	**17.5 MW**
Upcoming New Capacity	:	

Plant	Tel: 07137 – 202525, 273890
Desaiganj	
Wadasa, Gadichiroli District	
Desaiganj - Maharashtra	
Mr. Aftab Khan, Plant Manager	

Captive Power Plant	:	
Existing Capacity	:	**120 tpd**
Upcoming New Capacity	:	

A B Grain Spirits Ltd

Group : AdieBrownson Corp

Corp Office

709-711, 7th Floor
Gate No. 4, Ambience Mall,
Gurgaon-122002 Gurgaon Haryana

Tel : 0124-4750900 Mobile : 99062 56857

Email : hpsbhatia42@rediffmail.com info@adiebroswon.com pahuja@adiebroswon.com

About the Company

A.B. Grain Spirits Pvt. Ltd. is one of the companies promoted by the Adie Broswon Corporation, is capacity wise in grain the largest plant in India. Its core business areas are manufacturing, marketing, and sale of alcohol - comprising of Extra Neutral Alcohol (ENA), Country Liquor, and Indian Made Foreign Liquor (IMFL).

A.B. Grain Spirits Pvt. Ltd. has set up a plant for high quality ENA along with bottling and power plant in Punjab. It had started its commercial production sometimes ago and is presently working at its maximum capacity.

The company has also setup a pet-bottle manufacturing plant to produce for captive consumption and surplus for trade. A B Grain Spirits is one of its kind in the world, with an end to end integration of processes, has in house manufacturing facilities of end product from grain and others products like PP Caps, Packing Materials, CC Boxes and Labels etc. and hence retails liquor through company owned outlets and company owned transport solutions.

AB Grain Spirits Pvt Ltd, supplies high quality ENA as per specifications of major liquor companies in India, like United Spirits Ltd, Pernod Ricard (Seagram), Bacardi, etc. It also exports large quantities of ENA in other parts of the world.

Current Projects

Key Personnel

Names	Designation	Tel/Email
Bhatia Pal Singh	Corporate Services	0120-464 8025 hpsbhatia42@rediffmail.com
Hardeep Singh Chadha	Chairman	
H.S. Ahuja	Group President	0-82849 20009
Pavan Sharma	M.R. (S.O.)/ Unit Head	0-82880 10037
HPS Bhatia	Director	0-98913 17548
P.R. Chadha	Dy.Gen.Mgr. (Prodn.)	0-84276 76105
Rakesh Kr. Sharma	Dy.Gen.Mgr. (Cane)	0-99157 31830
Anuj Uppal	Dy.Gen.Mgr. (Acct.)	0-81466 00054
Bhupendra Kandpal	Sr. Purchase Executive	0-93540 70106/bhupendrakandpal1993@gmail.com
Tejveer Singh	Manager -HR	0-99157 02207/cherry_abysmal@rediffmail.com
Munish Tyagi	Vice President	0-99149 19007/ 98730 00417
Pankaj Baliyan	Senior Production Manager- Distillery	0-99153 59030 /pankaj@adiebroswon.com
Sudhir Kumar	Unit - Head	0-82890 90051
K P Singh	Production -Head	0-82880 34242
Suresh Chaudhary	General Manager -Engineering	0-82880 10038

Srinivas Kollati	Director
Haresh Tomar	Director
Gurbir Bindra	Director
Jasdeep Kaur Chadha	Director
Grewal Js	Sr Vice President Corporate Affairs
Nageshwar Tiwari	Vice President-Procurement & Supply Chain
C B Singh	Sr.Vice President-Operations

Plants / Offices

Plant	Tel: 0124-4750900 / 09906256857
Kiri Afghana Village,	Fax: 01872-500508
P.O. Rajoya Bahadurpur	Email: pawansharma@adiebroswon.com
Kiri Afgana - Batala Punjab	

Captive Power Plant	:	
Existing Capacity	:	**9 MW**
Upcoming New Capacity	:	

Plant	Tel: 01872-500506
Kiri Afghana Village,	Fax: 01872-500508
	Email: pawansharma@adiebroswon.com
Kiri Afgana - Batala Punjab	

Captive Power Plant	:	
Existing Capacity	:	**9600 tcd**
Upcoming New Capacity	:	

Plant	
Tiyar Village	
Bhiya Tehsil	
Tetariya - Behea Bihar	

Captive Power Plant	:	**7.0 MW (Cogen)**
Existing Capacity	:	
Upcoming New Capacity	:	**200 klpd**

A D Hydro Power Ltd

Group : LNJ Bhilwara Group

Corp Office

LNG Bhilwara Group, Bhilwara Towers,
A-12, Sector- 1,
Noida-201301 Gautam Buddha Nagar Uttar Pradesh

Tel : 0120-4390000 /4390300/2541810 /011-26822997 Mobile :

Email : iccs@lnjbhilwara.com info@adhydropower.com arvind.gupta@lnjbhilwara.com

About the Company

ADHPL , a subsidiary of Malana Power Co of LNJ Bhilwara Group is located at village Prini, Tehsil Manali, District Kullu a distance of 60 kms from Bhuntar airport, Kullu. It is 500 km away from Delhi by road. The project utilises water from the Hamtal and Pataori Himalayan streams, which form the Allain river, and from the Chandar Tal glacier-fed Duhangan river.

Water is transferred from separate intakes and underground headrace tunnels into a common intermediate reservoir before being discharged through a steel/concrete lined pressure shaft into the underground powerhouse at Prini village which is located near Manali town. Power is transmitted to the national grid connection point located at Nalagarh via a high voltage 175 KM long 220 KV transmission line built by the company.

Current Projects

Key Personnel

Names	Designation	Tel/Email
Ravi Jhunjhunwal	Chairman	0-98102 22500/ravi@lnjbhilwara.com
L N Jhunjhunwala	Director	
O P Ajmera	CEO	0-98100 72650/opajmera@lnjbhilwara.com
Surya Kant Chahal	In - Charge (Operations)	09816002883/01902-250605
V D Bhatia	Vice President - Operations	
Vinod Kumar Rana	Manager - Accounts	
Anupam Sharma	Chief Executive	0-98161 03576
T K Trehan	Transmission Line	0 98160 31618
Tantra Narayan Thakur	Director	0-98111 65559 /tantrathakur@hotmail.com
Kamal Gupta	Director	0-98100 64933 /kgupta.noida@gmail.com
Rajinder Pal Goel	Director	
Tima Iyer Utne	Director	tima.iyer@gmail.com
Jitendra Kumar	Manager	0-98184 20490
Rahul Varshney	Director	0-99586 91225 /rahul.varshney@hotmail.com

Plants / Offices

Plant	Tel: 0120-4277841
V.P.O. Prini, Manali,	Fax: 01902 - 251798
Kullu, Allain Dunga Hydel Power Plant	Email: adhydropower@hotmail.com
Prini - 175143 Manali Himachal Pradesh	

Ibis Power Plant Directory 2026 – is one of the top sources of information available in Indian Power Sector. This directory provides every detail about the sector – it contains **profiles of** all leading Independent power producer companies and their power plants, their history, **acquisitions, co-generation, upcoming capacity,** New projects, technology up gradation plans, plans, investments, details of **captive power plants** etc.,

The directory contains key personnel details of **3,314** Indian Thermal Power Plants along with their **direct email-ids, telephone numbers, mobile numbers and 15,438+ contact details of all power plants in the country – with address, tel/fax/mobile/email etc.**,

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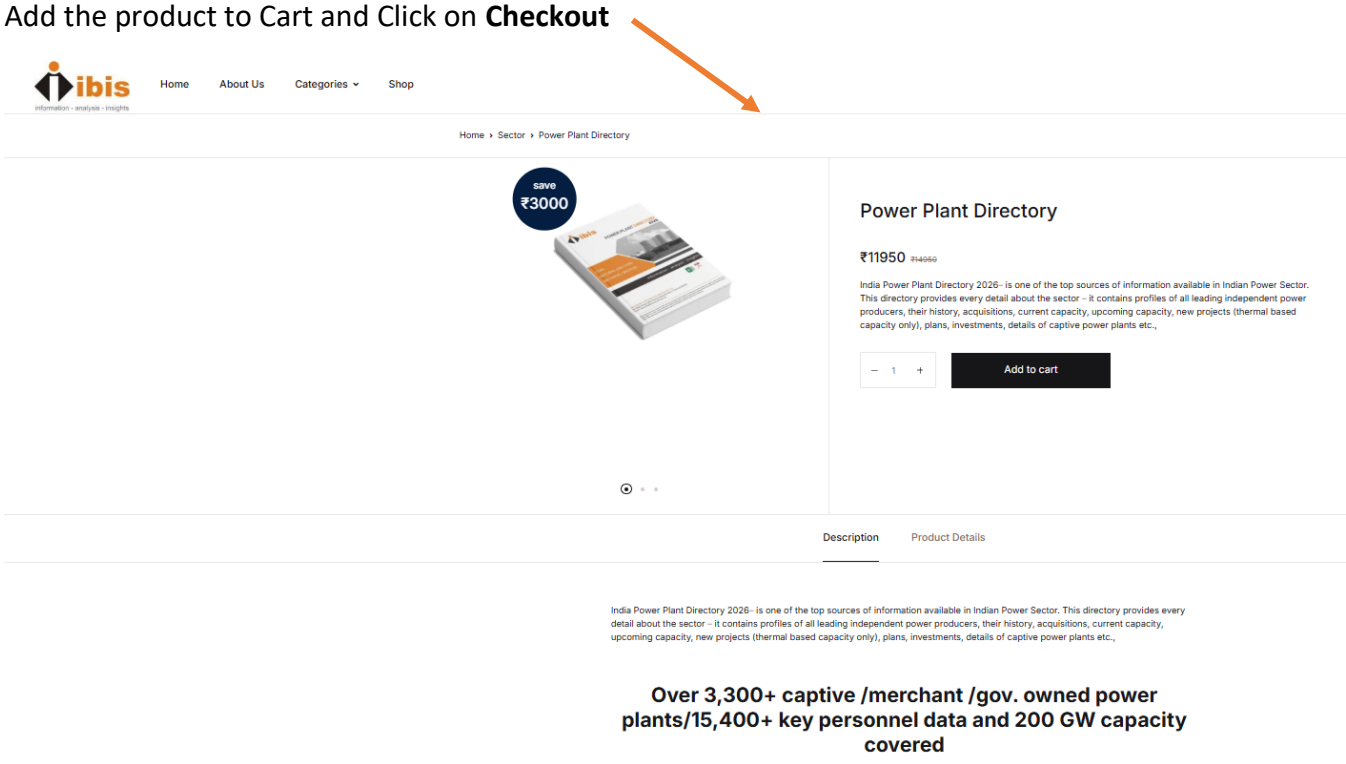

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