# Hydropower potential in Pakistan: Current status and future prospects Rao Muhammad Arif Saeed; Rana Ammar Aslam

## Introduction

- $\succ$  Electrical energy crisis is an important issue in Pakistan.
- $\succ$  There is a deficit of 7000 megawatts between demand and supply.
- ➢ Urban areas face loadshedding of 10 -12 hours daily.
- $\triangleright$  Rural areas face 12 14 hours.

#### Purpose

> This work was aimed to synthesize information on existing and proposed potential of hydropower in the country.

- $\succ$  This work presents reports on current a
- ➢ Using a systematic we explored current
- > Besides, this work of energy sufficience
- Jammu Kashmir
- and institutional barriers.



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## **Methods**

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s a review of existing literature including articles, papers, and	co
and future hydropower potential in the country.	tre
review of existing published literature from 2000 to 2023,	hy
nt status and future opportunities for hydropower generation.	$\geq Pc$
also explores the underlying causes that hinders achievement	tec
cy from hydropower resources.	CO
<b>Results</b>	av

# > Diameer Basha dam can produce highest electricity (4500MW) and Korat hydropower project can produce small amount of electricity (720MW). > Khyber Pakhtunkhwa have more hydropower potential then Punjab and Azad

> There are four important discourses on constraints to hydropower development in Pakistan. These discourses include less participation of private sector in running the electricity market operations, incoherent planning, financial barriers

### Conclusions

• Based on the systematic review it is oncluded that, Pakistan has remendous potential for ydropower production.

oor economic situation and lack of echnical capacity are the main onstraints in harnessing the available potential of hydropower.

#### Reference

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