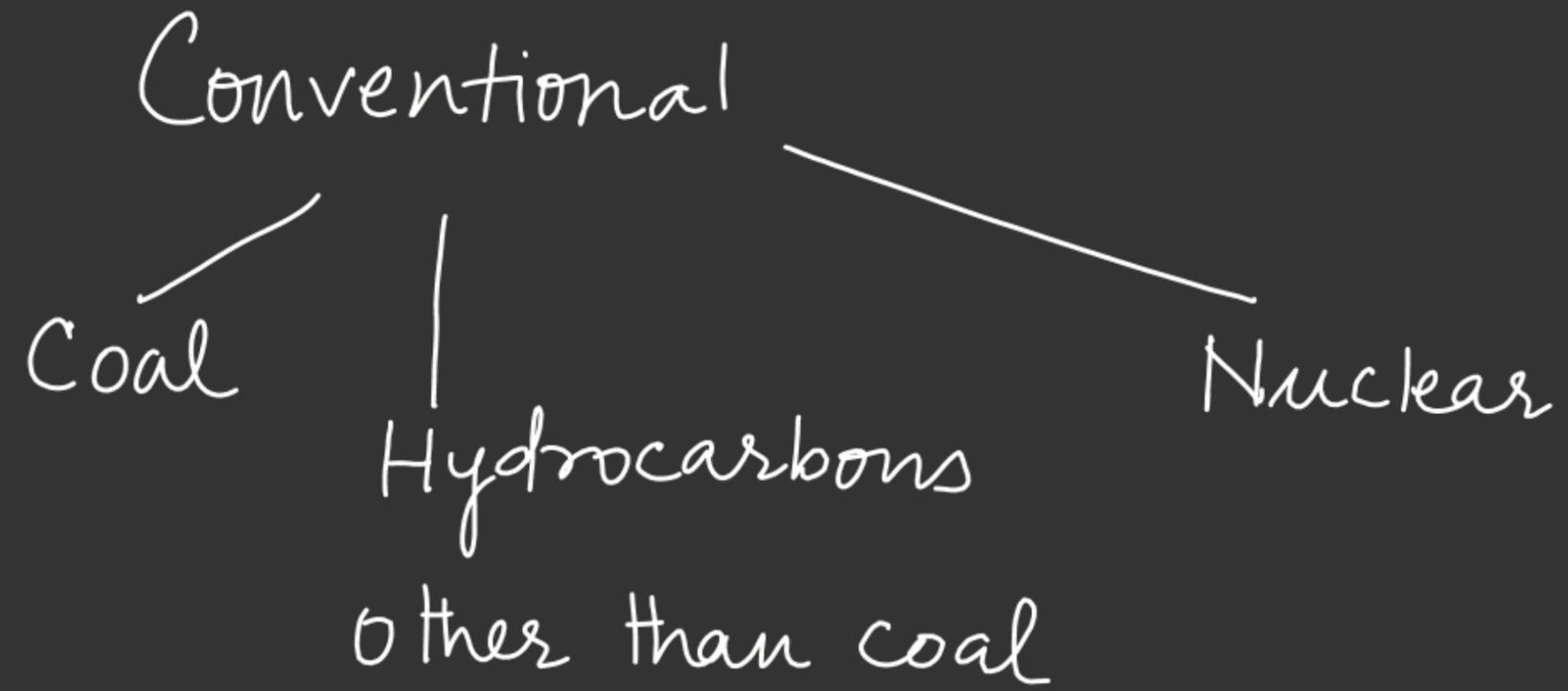


Dr. Abhishek Sir
Class will Start Shortly





waste

< 25 MW

↓
clean hydrocarbon



— free from S & N impurities

— free from any other
combustible compound

High Calorific
value of combustion

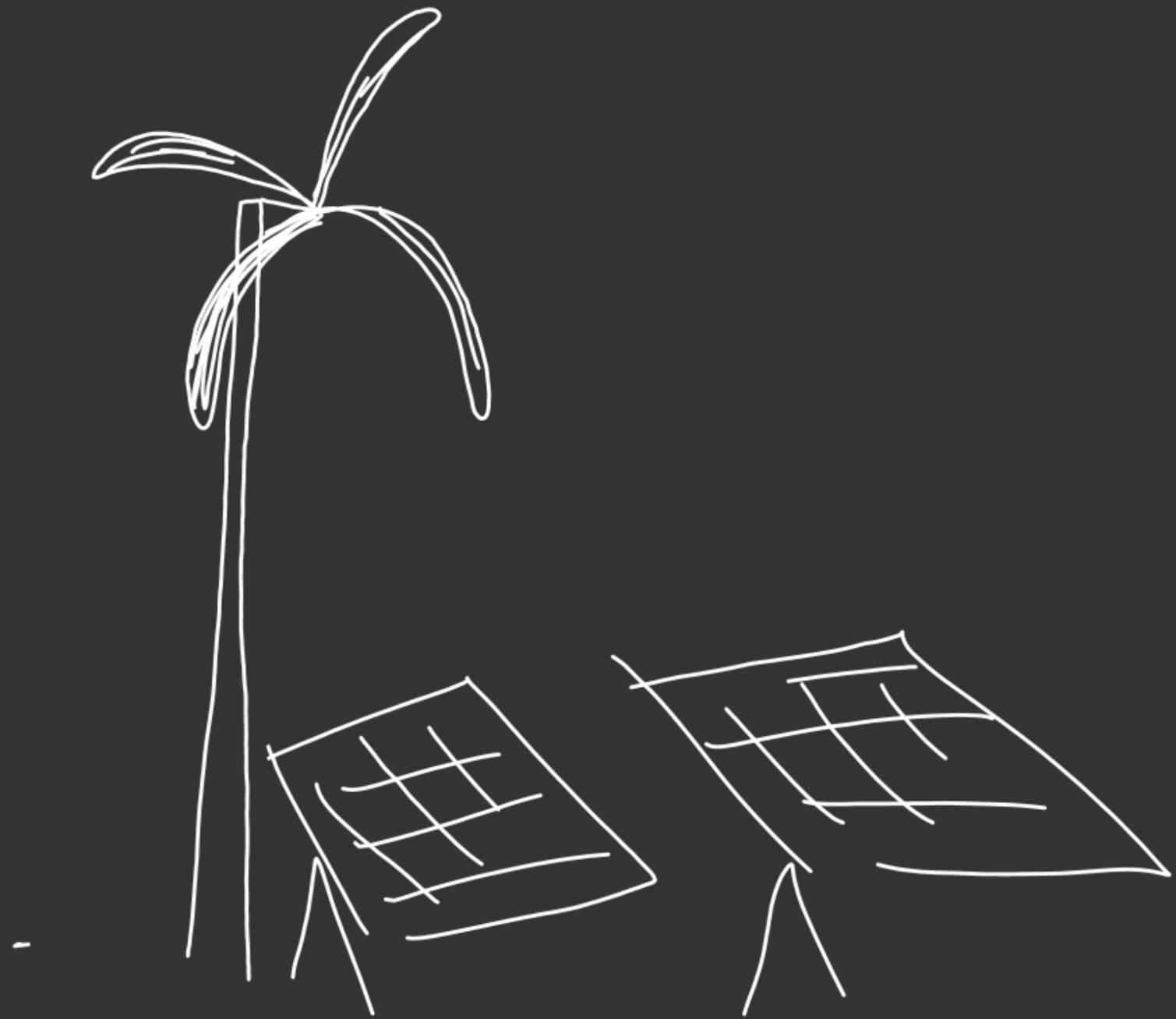
⇓
Low CO₂ emission / KG

⇓

No NO_x

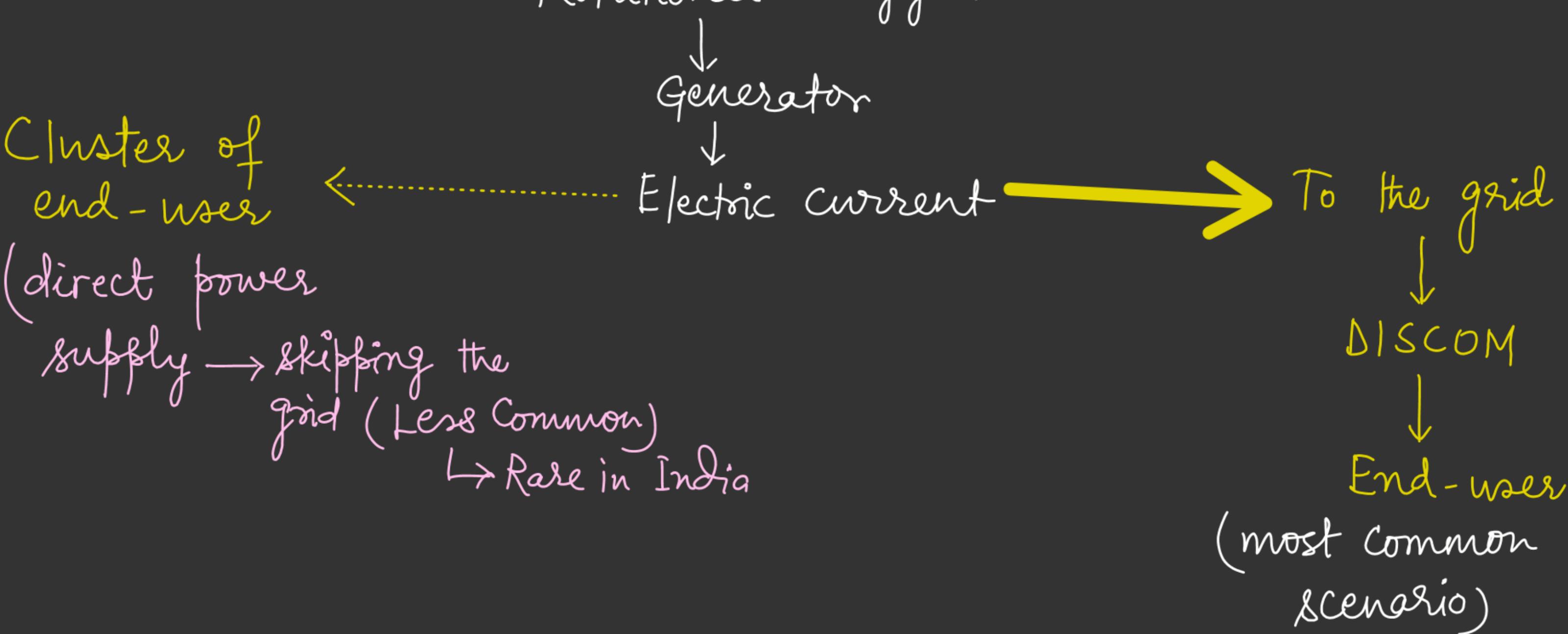
SO_x

or particulate
matter



WIND ENERGY

→ Production of electricity
using wind-driven
kinetic energy



17-139W

(as against the
target of 60 GW
by 2022)

* 4th largest nation in terms
of installed capacity:

↳ 2005 : First National Programme
(before that state level projects)

↳ 2008 : One of 8 National Missions
on Climate change

↳ 2015 : India's INDC → Total renewable
target for 2022

↳ 175 GW

↓
60 GW from Wind

5 challenges

Large set up costs

↓
Long gestⁿ

↓
Falling prices

⇓
Reluctance in Investment

Particularly suitable for

Western States

↓
TN
Andhra P
Telangana

Wildlife

Ladakh

Collision with fan blades

Humming noise

Large scale land req^{mt}.

Does not contribute much to decentralised power access.