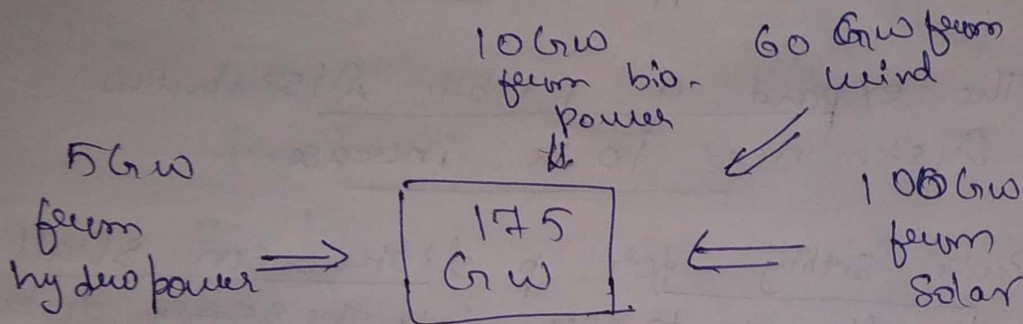


Q3
As renewable energy resources are gaining importance, efficient energy needs to be an integral part of India's policy plans. Explain.

Q4
India gained its renewable energy target of 175 GW before 2022 which was set to be achieved till 2026.



Gaining Importance of Renewable Energy,

⇒ Announced and exceeded its Capacity.

→ Capacity raised till 375 GW

⇒ Upcoming technology

↳ Electric car (Sales have been increasing and)

⇒ Plan to protect Environment

↳ Carbon Emission is reducing

↳ Global Warming is increasing
So moving ahead to protect environment.

→ Integral part of Indian Policy Plan:

→ Govt spend it's 24% of GDP in energy (Budget-2021)

→ Govt. have exceeded it's renewable target and moved to 375 GW energy generation

→ Govt setting hard to establish own battery manufacturing companies
↳ to push renewable energy

→ Spreading awareness and launching scheme related and to use of renewable energy like.

↳ Ujwal Yojana scope ↑ (Budget-2021)

↳ Har Ghar Solar;

↳ increasing use of Bio-fuel in vehicles etc.

↳ National Hydrogen Mission launched & etc.

Way Forward:

→ Indian Govt. need to plan policy for storage of electricity

→ Need to push plans for pumped hydro-electric energy storage (PHEs)

↳ Many countries like Japan, China has already started working and gained success

→ Need to expand scope for and search for Vanadium based battery and electricity mechanism.

→ Need to invest more on Research and Development (R&D) in renewable energy sector