

| Infrastructure

④ It is laudable that the government's vision of ropeways as transportation solutions covers congested urban areas & river crossings. Explain.

National Ropeways Development Programme - "Parvatamala" by Ministry of Road transport to improve connectivity in hilly areas announced in 2022.

Rope way transportation can be a game changer in Urban transport ecological fragile areas

- ✓ Low land requirement - only two vertical towers at both ends, thus low land acquisition in urban areas
- ✓ Even though cost of construction is higher than road transport, however compare to modern metro rail, construction & maintenance cost is less
- ✓ Using model of cable cars last mile connectivity can be achieved
- ✓ Urban areas facing worst issues like Air pollution, ropeways can reduce carbon foot print & make cleaner transport.

✓ Traffic congestion is reduced through this aerial mode of transport

✓ Compare to construction of bridges across river rope way offers advantages like

- ↳ no need for diversion of river water
- ↳ less forest land requir for constructing towers
- ↳ reduced environmental degradation
- ↳ offer better transportation even in situations like floods, landside etc.

Government of India need to frame framework for safety of rope way transportation as recently Tharkand & Himachal Cable Car mishap led to death of 5 people.

Ropeways which conventionally viewed as seen in tourist & hilly areas ~~too~~ have thrilling & adventurous experience can become economic & ecological transport in near future