



Himachal Road Transport Corporation



Implementation of E buses – Challenges and opportunities



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Challenges

- Less understanding of EV Technology
- Battery
- Motors
- Electronic controls
- Charging Infrastructure
- Non standard specifications /fitment and Unrealistic and high pricing of EV buses
- Drive range

Electric buses for public transport -Challenges

- In absence of standard deliverable performance parameters , difficult to finalize technical specifications and huge difference in quoted rates for the identical products.
- In house technical knowhow and exposure is required for using the pure electric vehicles .
- Cost and time consumed for creating charging infrastructure is very high .

Opportunities

- EV are energy efficient , reliable ,practical with low operating /maintenance costs
- Therefore for reducing energy consumption, environmental protection and industry transformation to return our sky to sanguine blue , to stirred up a green storm these new energy vehicles are need of the hour.
- Policies push from GoI and State Governments are thus opening new opportunities.

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Commercial Operation of Electric Buses in Himachal Pradesh started in 2017 with branding as

“Him Tarang” and these 25 e buses are operated in Kullu Manali.



For End to end connectivity

- These 50 electric taxis (7 +D) are being plied successfully in important tourist destination i.e. Shimla, Chamba, Nahan, Dharamshala, Palampur, Nagrota, Kullu, Sundernagar, Bilaspur, Hamirpur, Una, Solan, Rampur and Keylong towns. These taxis are noiseless and pollution free. These taxis are providing best transport facilities to the passengers in the state. Each Electric taxi is covering approximately 60-70 Kms per day .



50 electric buses in and around Shimla



QUESTIONS
&
ANSWERS

Thank You