Champa-Kurukshetra Transmission Link

GE's Ultra-High-Voltage Direct Current (UHVDC) Project in India

Total energy transmission capacity today at **4,500 MW** at 800 kV

Forms **1,305 km** energy highway running from central to northern India

Improves power connectivity for an estimated **46%** of India's population

Will transport **6,000 MW** at 800 kV upon completion, making it one of the world's largest point-to-point transmission systems in the world

India

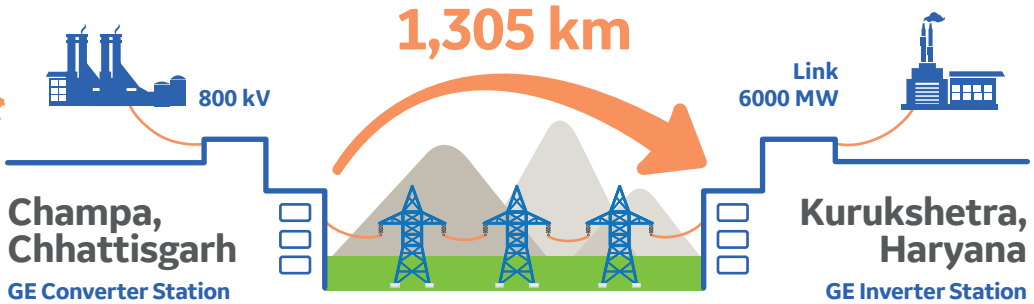
One of the **FASTEST** growing economy in the world

Energy consumption expected to triple by 2040, accounting for **25%** of rise in global energy use

Installed electricity capacity expected to surge to **1,100 GW** in 2040 from **360 GW** today

Low per capita average consumption about **1/3RD** of world's average

Understanding the Project



Champa, Chhattisgarh
GE Converter Station
converts AC to DC from power producers in central-eastern India

Phase I 3,000 MW (Complete)
Phase II 3,000 MW (1,500 MW Complete)

Kurukshetra, Haryana
GE Inverter Station
Converts DC to AC to supply power to states in the North

UHVDC Project Scope

32 Converter Transformers

24 Double Thyristor Valves

400/220 kV Gas and air-insulated switchgear

800 kV Air-insulated switch-gear, high-speed DC switch