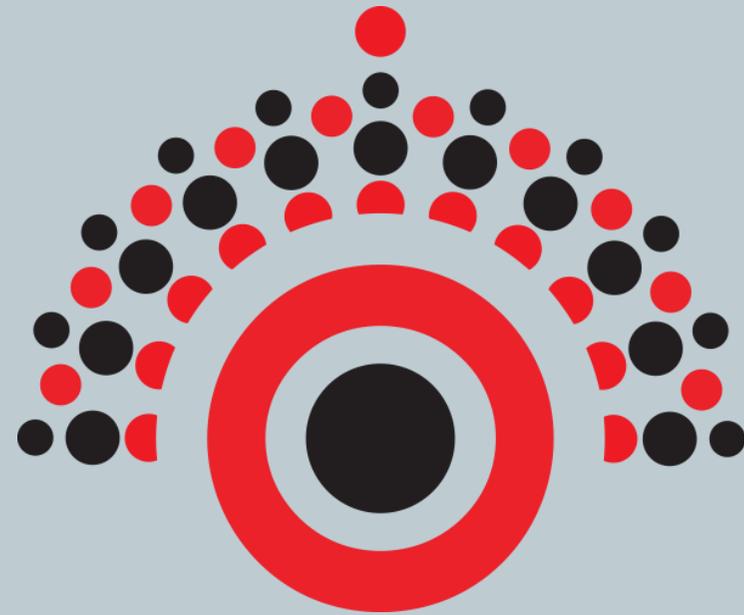




Energy Department
Government of Odisha





MAKE IN
ODISHA
CONCLAVE'22

BHUBANESWAR | 30 NOV-04 DEC | 2022

“

Shri Naveen Patnaik
Hon'ble Chief Minister of Odisha

”





“

Shri Pratap Keshari Deb
Hon'ble Cabinet Minister
Industries, MSME & Energy, Govt. of Odisha

”

“

Shri Nikunja Bihari Dhal, IAS
Principal Secretary to Government
Department of Energy, Odisha



”

The Odisha Advantage – Power Sector

Pioneer of Reforms



Zero Peak Deficits



Reliable Supply



Low Industrial Tariffs



Incentives for RE Generation



Progressive Policies and Regulations



Financially Self-Sustaining Utilities



Capital Investment in Infrastructure



Focus on Ease of doing Business



Digitalization



Consumer Service



Political Stability

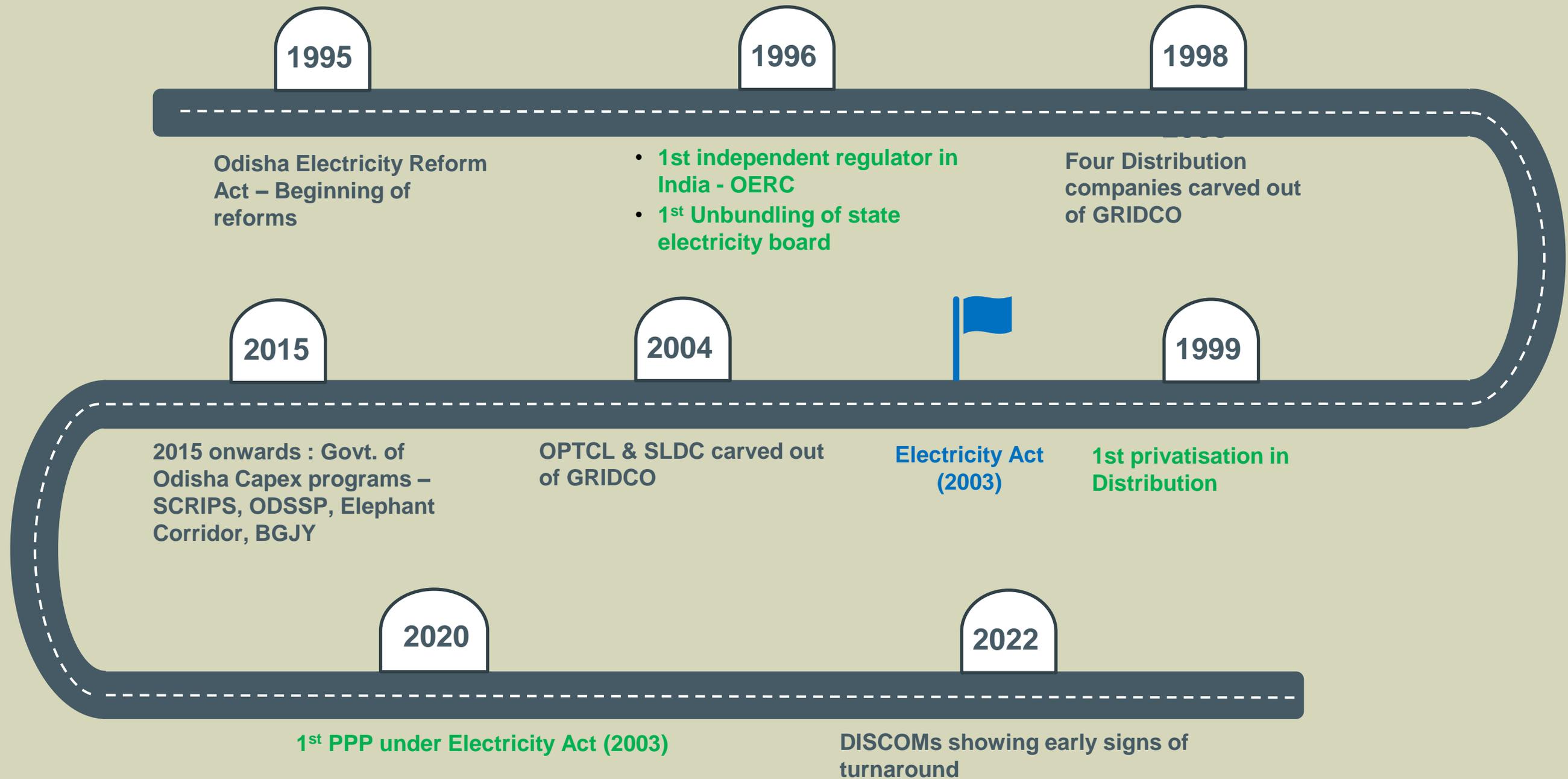


Vision

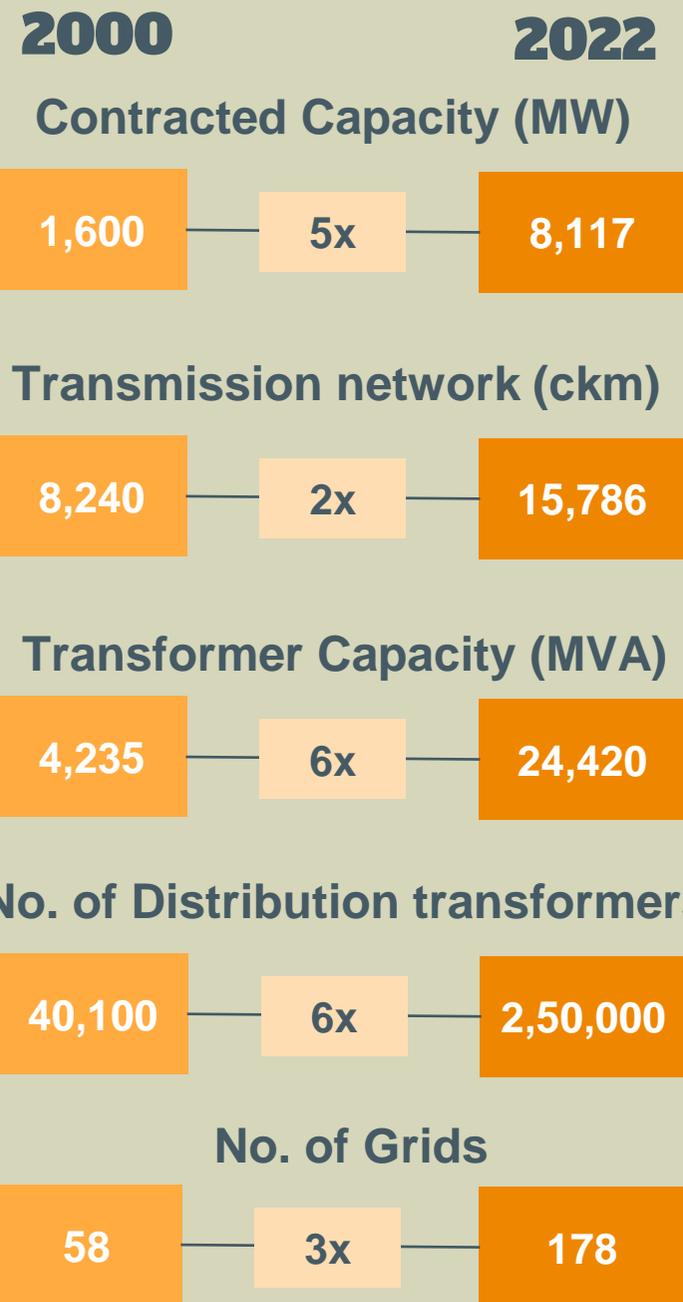
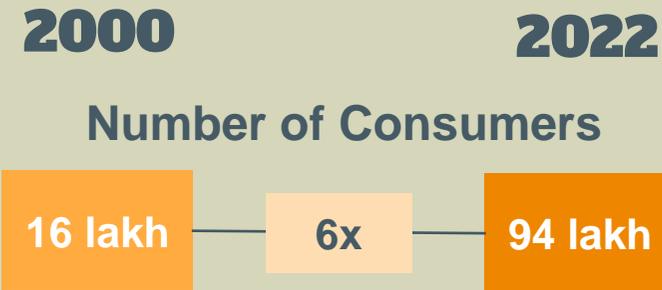
To enrich society, businesses and environment while ensuring energy security through **green**, **reliable** and **affordable** power supply and superior consumer experience

STR-0312-0352
SCB-08
PCU-01

A long path of reforms



Two decades of transformation





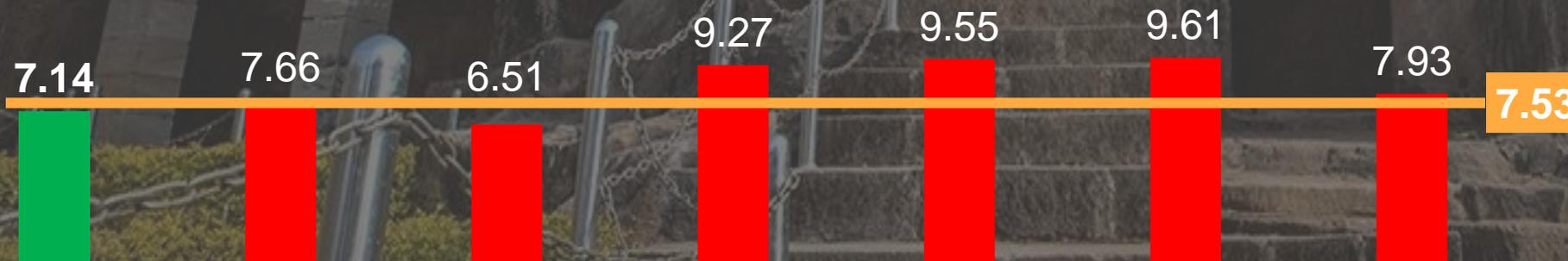
2X660 MW OPGC Unit 3 & 4 at IB valley of Jharsuguda

Strong fundamentals resulting in **affordable** power supply

Avg. power purchase cost (Rs. per unit)



Tariff for large industries (Rs. per unit)



■ Neighbouring States — National Average

Advantages of Odisha

- Low Average Power Purchase Cost
- Low industrial tariff
- No outstanding dues to GENCOs
- No subsidy dependence
- Rs. 5,640 crore planned capital expenditure upto 2026-27
- More than 15% target reduction in AT&C loss from the current levels

State Policies like the Odisha RE Policy (2022), Data Centre Policy (2022), Industrial Policy (2022), IT Policy (2022), BPO Policy (2021), Electronics Policy (2021), Film Policy (2019), etc. provides special incentives to ensure affordable power supply to industries

Manoharpur coal mine of OCPL was commissioned in record time and achieved break even ahead of schedule



Manoharpur Coal Mine project of OCPL
in Sundergarh district

Manoharpur and Dip-Side Manoharpur Coal mines have been allotted exclusively for use of OPGC plants

Continuous supply of coal to OPGC from the captive mine mitigates coal shortage issues and ensures energy security

There was no impact on Odisha due to coal shortages & GRIDCO was able to supply surplus power to CGPs in the state during coal shortages



Promoting **Green** Energy

1 MW Solar project on surplus land at Mukhiguda powerhouse of OHPC



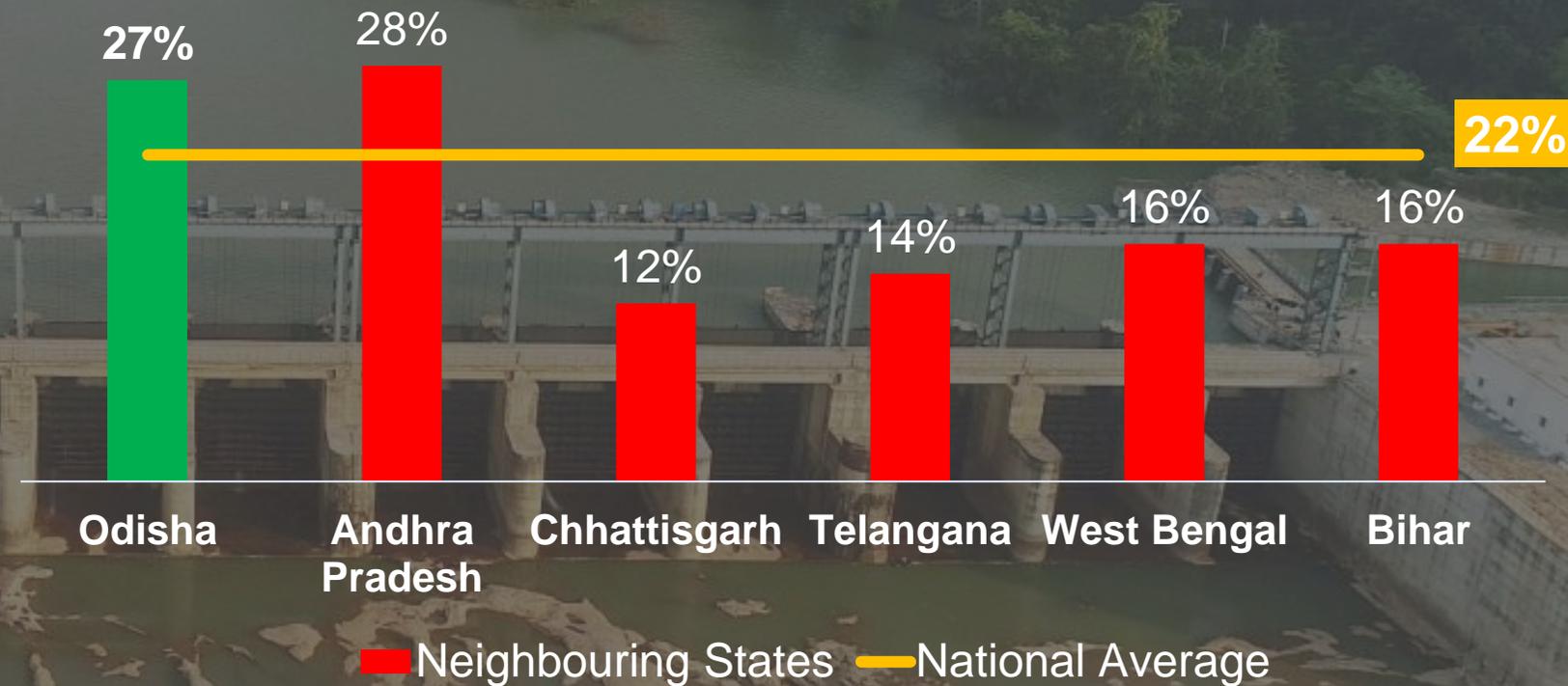
Upper Kolab Hydro Electric Project
at Koraput

Green projects are available for industries to meet their RPO in an affordable and reliable manner

Investible renewable energy projects

Project	District	Type
Upper Indravati PSP	Kalahandi	Pump Storage Hydro
Upper Kolab PSP	Jeypore	
Balimela PSP	Malkangiri	
Kharag Hydro	Kandhamal	Large Hydro
Salki Hydro	Boudh	
Rengali Reservoir	Anugul	Floating Solar
Hirakud Reservoir	Sambalpur	
Indravati Reservoir	Kalahandi	
Kanupur SHEP	Keonjhar	Small Hydro
Jambhira SHEP	Mayurbhanj	
Telengiri Dam SHEP	Koraput	

Clean energy share in supply



There are several unidentified sites where PSPs and SHEPs can be set up

Odisha RE Policy, 2022

 Identification and creation of RE project pipeline for award to developers

 Single window facility for project approval and registration

 XX% exemption on Cross Subsidy Surcharge for X years

 Exemption of XX paisa per unit on STU charges for XX years



Stamp duty, land conversion and registration charges not applicable for RE projects 

XX% exemption on Wheeling Charges for XX years 

Govt. land to be provided at XX% annual lease of IPR rate 

Exemption of XX paisa per unit on Electricity Duty for XX years 



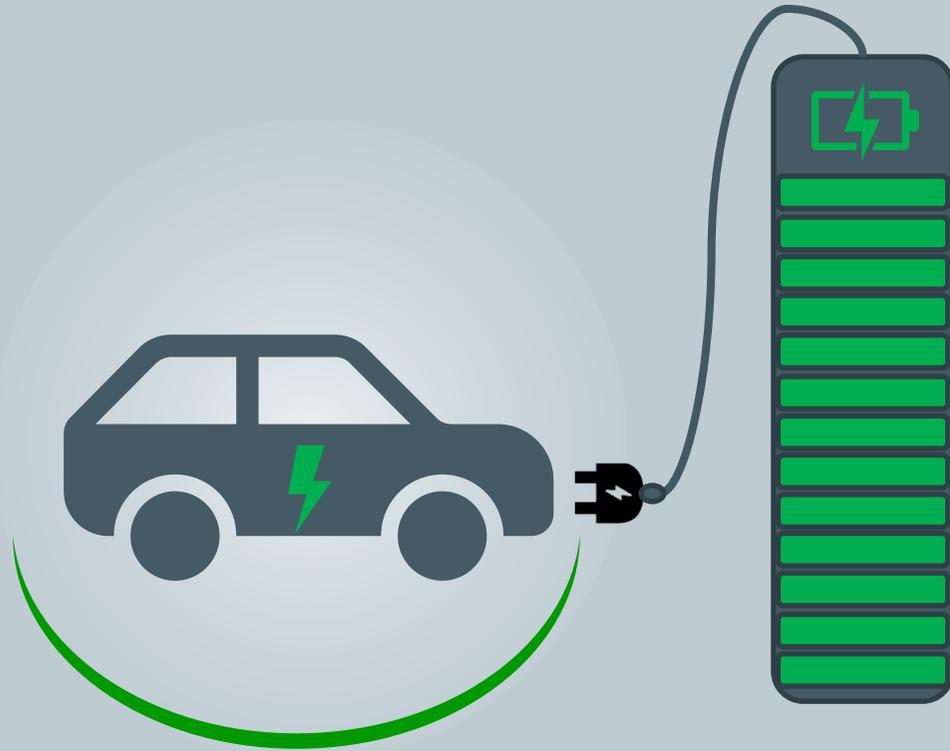
20 MW SHEP commissioned by private developer OPCL at Samal in Angul

Green Mobility



- ❖ Green Public Transport
- ❖ EV in government departments
- ❖ RE powered charging stations
- ❖ EV and equipment manufacturing

Odisha EV Policy, 2021



15% subsidy on purchase of electric light motor vehicles and 10% subsidy on purchase of electric buses



100% reimbursement of SGST and 100% exemption on road tax & registration fee for electric buses and goods carriages



SGST reimbursement for EV manufacturing in the State and 25% - 35% capital investment subsidy on plant & machinery



Government grant up to Rs.5000 for purchase of charging equipment for the first 20,000 charging points



25 % capital subsidy to selected Energy Operators for setting up Public Charging Infrastructure



100% SGST reimbursement to the Energy Operators on purchase of batteries for public battery swapping stations

Off Grid Renewable Energy



Installation of off grid solar irrigation and solar drinking water facilities in remote areas

13,200+

Solar Drinking Water systems installed

~1,000

Solar pumps installed in remote areas

83,000+

Solar Lanterns to rural weavers and artisans

18,000+

Standalone solar streetlights installed

Solarization of Konark

- 250 kW decentralized solar power plant with battery storage
- 200 solar streetlights installed
- 40 solar drinking Kiosks installed
- 50 solar trees of 1 kW installed
- 20 E-Rickshaws procured
- 2 charging stations with 15 kWp solar power plant



Focus on Energy Efficiency

Energy Conservation Building Code (2018)

- A comprehensive guideline was notified that provides minimum requirements for the energy-efficient design and construction of buildings
- The Code also provides incremental requirements for buildings to achieve enhanced levels of energy efficiency

ବିଦ୍ୟୁତ କଲେ ସଞ୍ଚୟ,
ପରିବେଶ ସଂରକ୍ଷଣ ନିଶ୍ଚୟ



ଏଲ.ଇ.ଡି ବଲ୍‌ବ ବ୍ୟବହାର କରିବା,
୯୦ ପ୍ରତିଶତ ବିଦ୍ୟୁତ୍ ବଞ୍ଚେଇବା ।



ଦିନରେ ନ ଜଳାଇ ବିଜୁଳି ବତୀ
ସଞ୍ଚୟ କରିବା ବିଦ୍ୟୁତ୍ ଶକ୍ତି ।



ପଞ୍ଚ ତାରକା (5*) ଉପକରଣ ବ୍ୟବହାର
କରିବା, ବିଦ୍ୟୁତ୍ ଶକ୍ତି ସଂରକ୍ଷଣ କରିବା ।

ଶ୍ରୀଯୁକ୍ତ ନବୀନ ପଟ୍ଟନାୟକ
ମାନ୍ୟତର ମୁଖ୍ୟମନ୍ତ୍ରୀ, ଓଡ଼ିଶା



Distribution of energy efficient equipment under Ama Ghare LED and UJALA Scheme

5.23 crore
LED bulbs

1.7 lakh
Tube-lights

~38,000
Fans

Rs. 2700+ Crore
Annual cost savings

5.5+ Mnt CO₂
Carbon emission reduction per
year

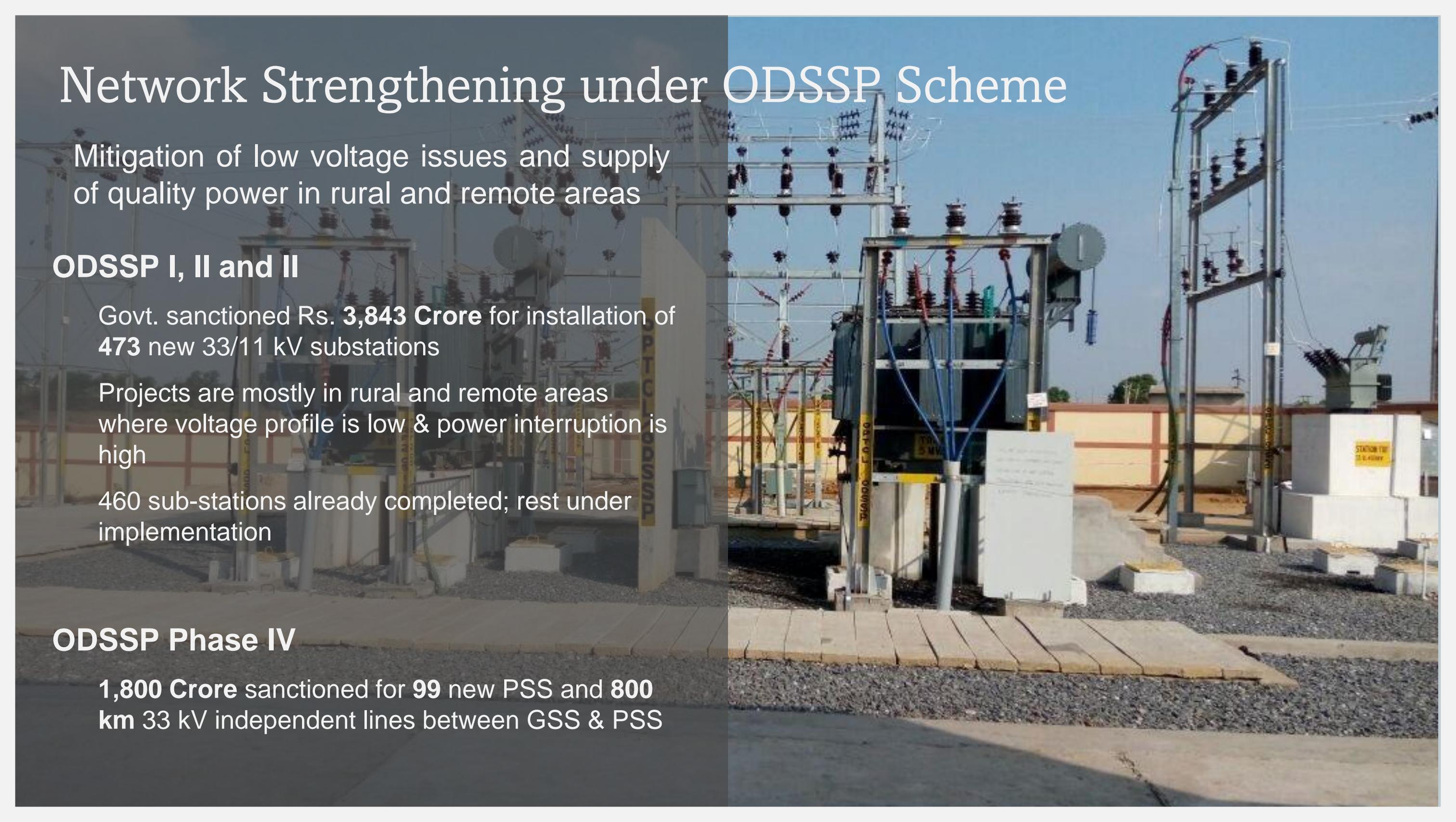
~7 BU
Energy saved per year

Ensuring **Reliable** Power



220/33 kV Grid Substation of OPTCL
at Lephripada, Sundargarh

Network Strengthening under ODSSP Scheme



Mitigation of low voltage issues and supply of quality power in rural and remote areas

ODSSP I, II and III

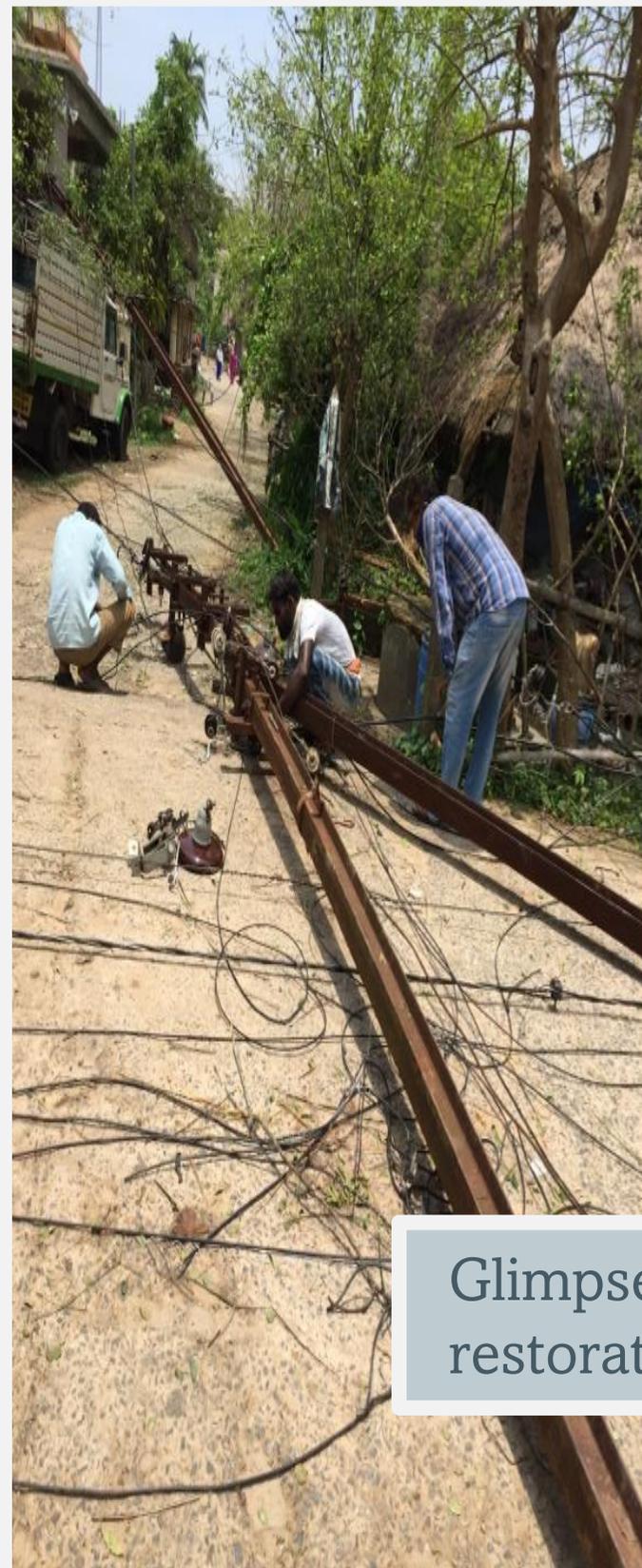
Govt. sanctioned Rs. **3,843 Crore** for installation of **473** new 33/11 kV substations

Projects are mostly in rural and remote areas where voltage profile is low & power interruption is high

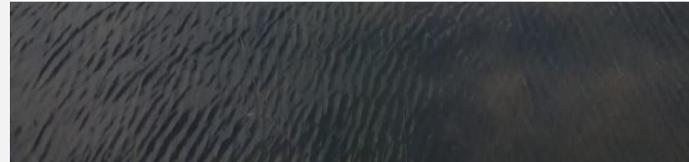
460 sub-stations already completed; rest under implementation

ODSSP Phase IV

1,800 Crore sanctioned for **99** new PSS and **800 km** 33 kV independent lines between GSS & PSS



Glimpses of post cyclone restoration work



Always a step ahead

Odisha has established a world class disaster preparedness and post disaster response system which has been widely acknowledged by international agencies

- ❖ Backup State Load Dispatch Centre
- ❖ Disaster Resilient Power Systems
- ❖ SOP on preparedness and restoration
- ❖ Disaster Response Centers

Disaster resilient transmission & distribution infrastructure



Elephant Corridor Scheme



TPCODL introduced "**Chaupadi Meetings**" to enhance awareness at grass root levels in rural villages to reduce poaching of animals in the Elephant Corridor

- Rs. 520 crore released to DISCOMs as grant for **Elephant Corridor** aimed at preventing elephant deaths due to electrocution
- **~98,000 interposing poles** erected and more than **2,600 ckm** of bare conductors replaced by covered ones
- Rectification of VCBs, tilted poles and spike arrangements around the electric poles
- Surakhya Sachetan Rath, a mobile van with digital display is going around elephant conflict villages creating awareness & sensitizing the locals on the ill effects of animal poaching



Elephant
Electrocution

15

2018

6

2022

Customer Centric Initiatives



To provide reliable power and enhance customer satisfaction, DISCOMs have established modern Customer Care Centres for providing services like bill payment, New Connection Registration, query resolution and complaint registration pertaining to operation and commercial services



Introduction of Digital platforms like the TPCODL Mitra app, Mo Bidyut app, etc. provides one-stop digital solution for services like bill payment, new connections, complaints etc. has benefited consumers in the state



Gaon Chalo Campaign

Reaching out to consumers in rural areas to spread awareness on digital payments, provide connection to new users and grievance redressal

TPCOIL
TP CENTRAL OILS & SUBSIDIARIES LIMITED
(A Tata Power and Odisha Government Joint Venture)
ଓଡ଼ିଶା ବିଦ୍ୟୁତ୍ ବିଭାଗର ଅଧିକାରୀଙ୍କ ଦ୍ଵାରା ପ୍ରସ୍ତୁତ କରାଯାଇଥିବା ଏକ ବିଦ୍ୟୁତ୍ ସେବା ପ୍ରକଳ୍ପ
CSC
GOVERNMENT SERVICES
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PROJECT
GRIEVANCE
KHORDHA & DISTRICT
OFFICER, KHORDHA
755221800
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Empowering Communities



Mobile Health Dispensary

TPCODL launched its first mobile health dispensary in October 2021 catering to 10,000 beneficiaries across 94 Gram Panchayats from the remote locations of Dhenkenal and Angul

Solar lights for rural artisans and weavers

Vocational Training Centres



Training Women for Billing and Collection

TPNODL trained over 500 women self-help groups in meter reading, billing and collection activities in Baripada and Keonjhar Circle, thereby, enabling them to earn INR 8000 to 12000 per month

Club Enerji – Energy conservation courses

Adhikaar Program for financial inclusion

The journey ahead



**24*7 safe, reliable and
affordable supply**



**Accelerate adoption of
clean energy
alternatives**



**Transform the utilities
to technology driven
smart utilities**



**Built disaster resilient
energy infrastructure**



**Facilitate R&D and
promote new energy
technologies**



**Develop a long-term
energy transition plan
for the State**

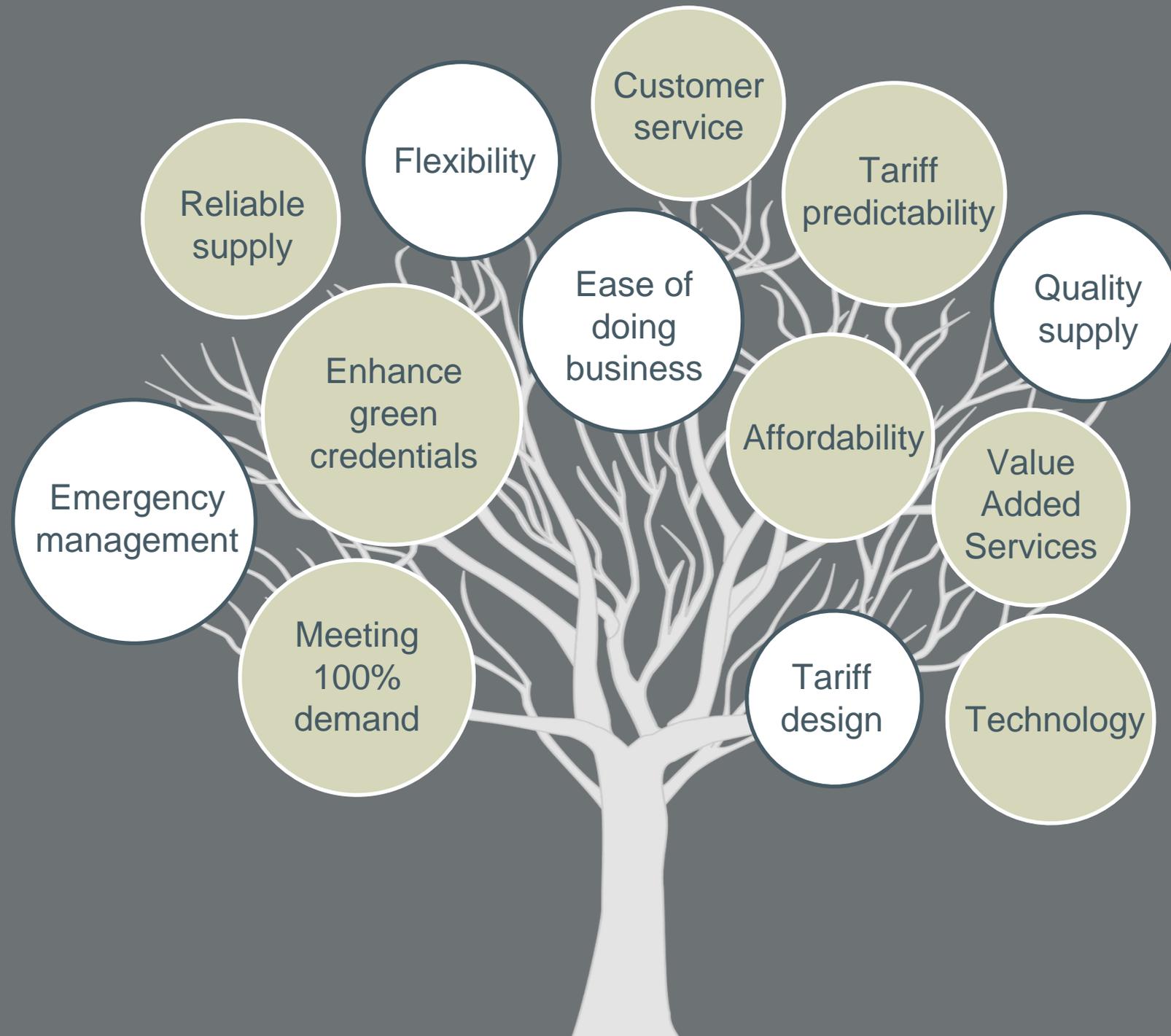


**Develop charging
infrastructure and
increase EV penetration**



**Provide value added
services for efficient
consumer operations**

Our Key Focus Areas



TPC@DL | TPW@DL | TPS@DL | TPN@DL

EESL ENERGY EFFICIENCY SERVICES LIMITED
A JV of PSUs under the Ministry of Power

P4G
Pioneering Green Partnerships,
Investing in Impact

INSTITUTE FOR
Sustainable
Communities
What's possible

JOIN THE JUGGERNAUT

SHRI TRILOCHAN PANDA

SHRI U. N. BEHERA IAS

SHRI NARINJA BIHARI DIAL, IAS

SHRI ...

