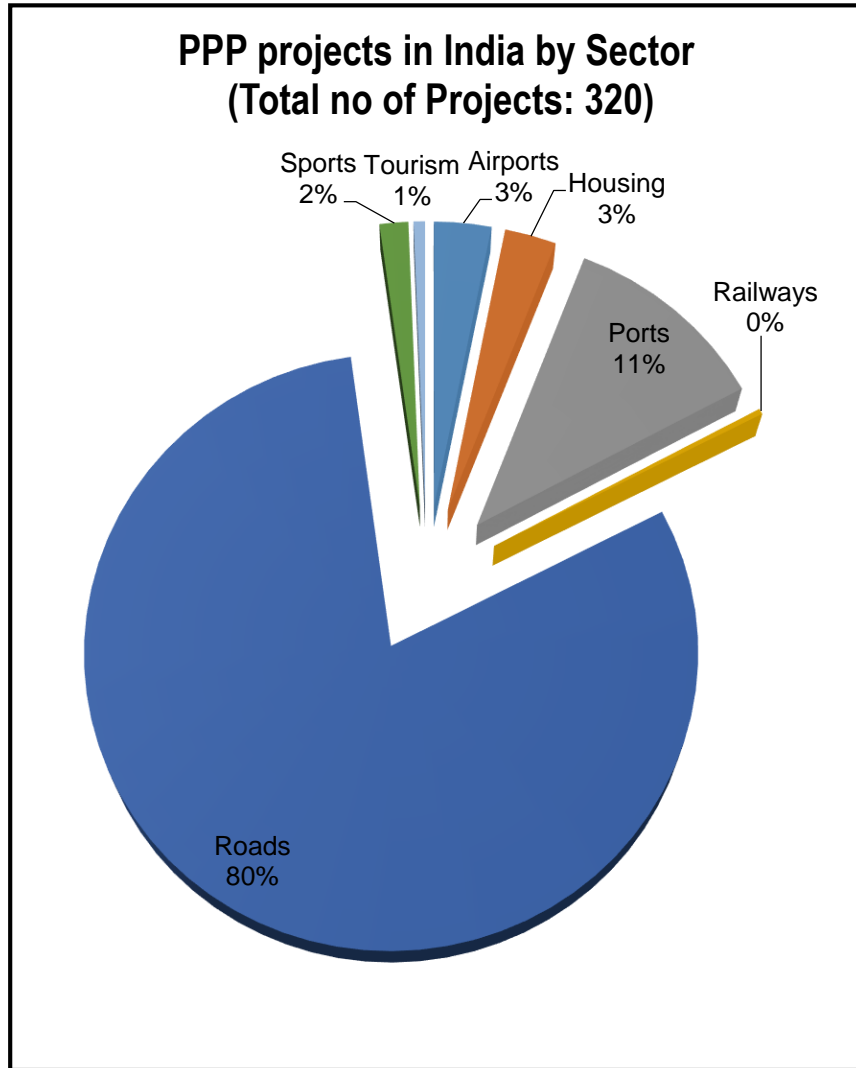




PUBLIC-PRIVATE PARTNERSHIPS TO DRIVE CLEAN ENERGY TRANSITIONS IN INDIAN POWER SECTOR

EVOLUTION OF PPP IN INDIA :-

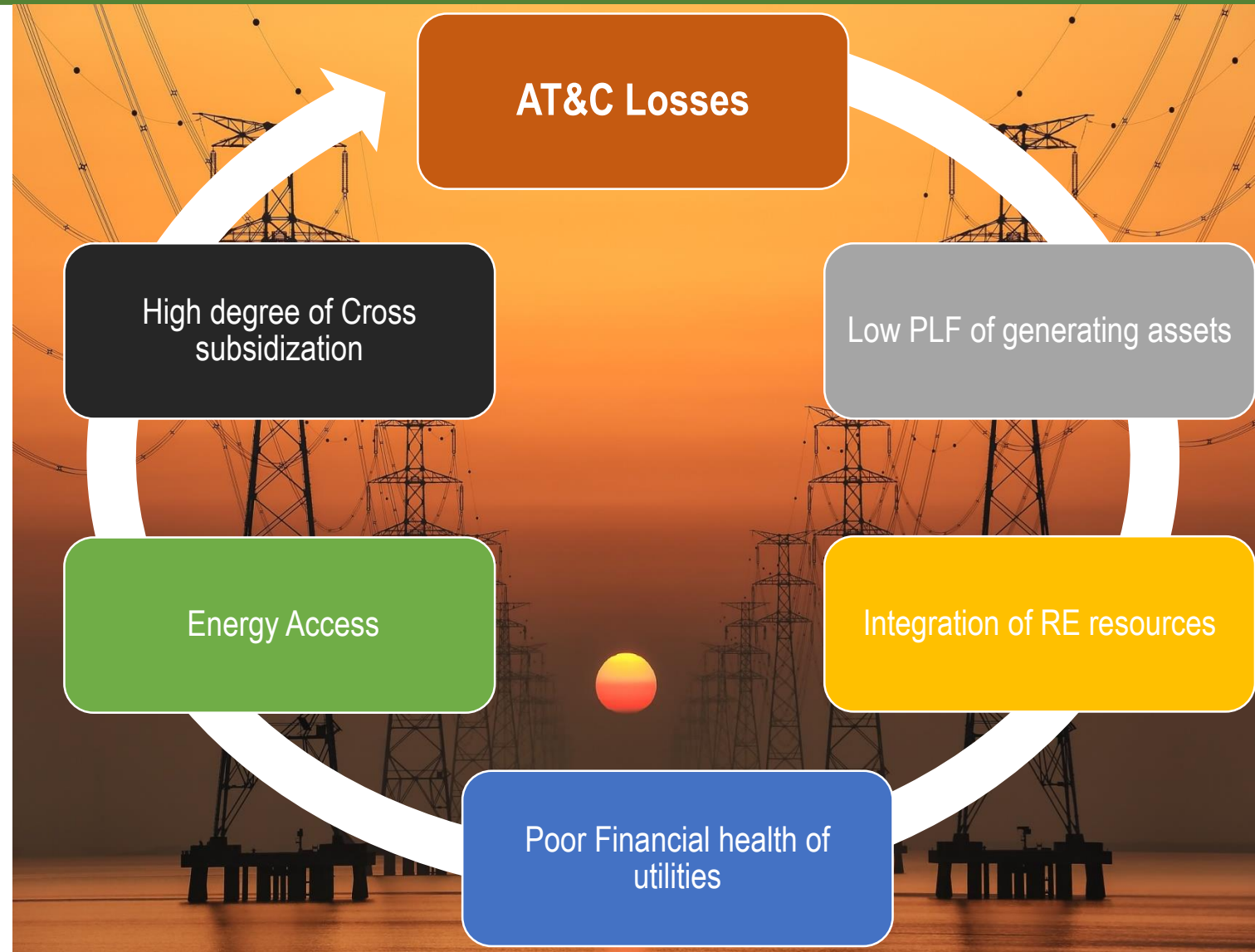
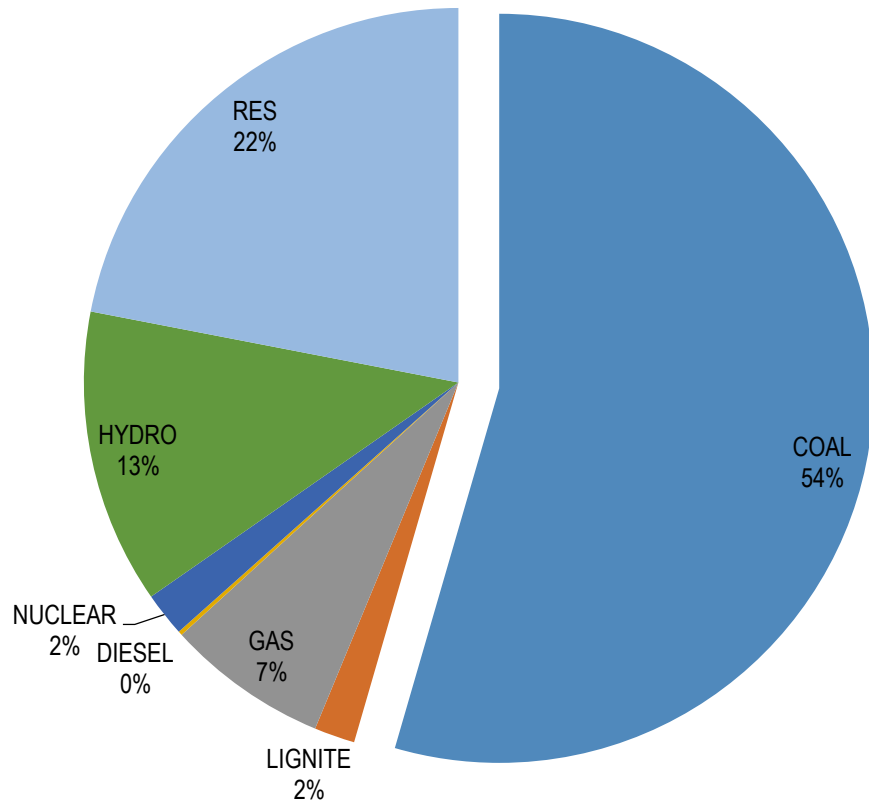


Asset Ownership	Public	Public	Public	Public & Private	Private
Commercial Risk	Public	Public	Private	Private	Private
Typical Duration	1-2 years	3-5 years	15-20 years	20-25 years	Indefinite
Sectors	Road EPC, Sewerage Project	Toll Stations	City Bus Services	Highway, Bus Terminal	Telecom, Power, Waste Processing



SNAPSHOT OF INDIAN POWER SECTOR :-

MIX OF INDIAN POWER SECTOR
(356 GW) – 2019



PPP in SMARTGRID deployment for sustainability :- Delhi Distribution Utilities



CUSTOMERS

4.9 MILLION | BRPL
 1.6 MILLION | BYPL
 1.6 MILLION | TPDDL



PEAK LOAD

4271 MW | BRPL
 1459 MW | BYPL
 1967 MW | TPDDL



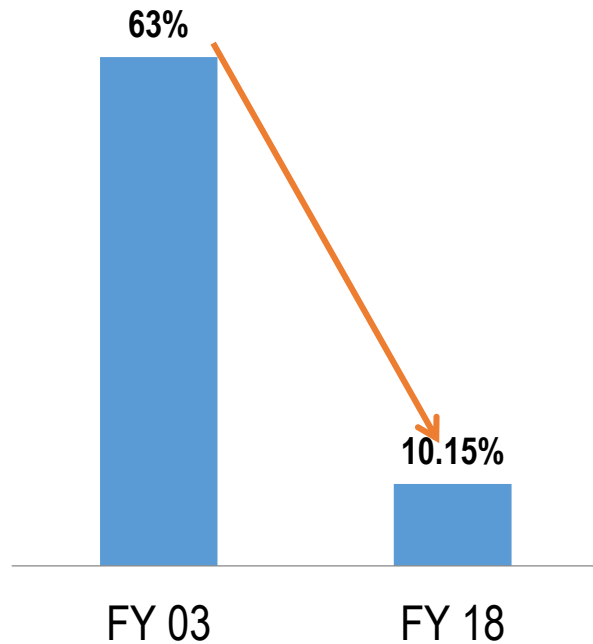
AREA

950 Sq Km | BRPL
 200 Sq Km | BYPL
 510 Sq Km | TPDDL



AT&C LOSSES

12.7% | BRPL
 11% | BYPL
 8.4% | TPDDL



INITIATIVES

- Energy Auditing
- Consumer awareness
- High Voltage distribution system
- Focus on Green energy
- Smart Grid & DSM
- Consumer First approach with effective grievance redressal mechanism
- Outage Management System & Quality Management system

PPP in DISTRIBUTION FRANCHISING :- BHIWANDI by Torrent Power



Before



After

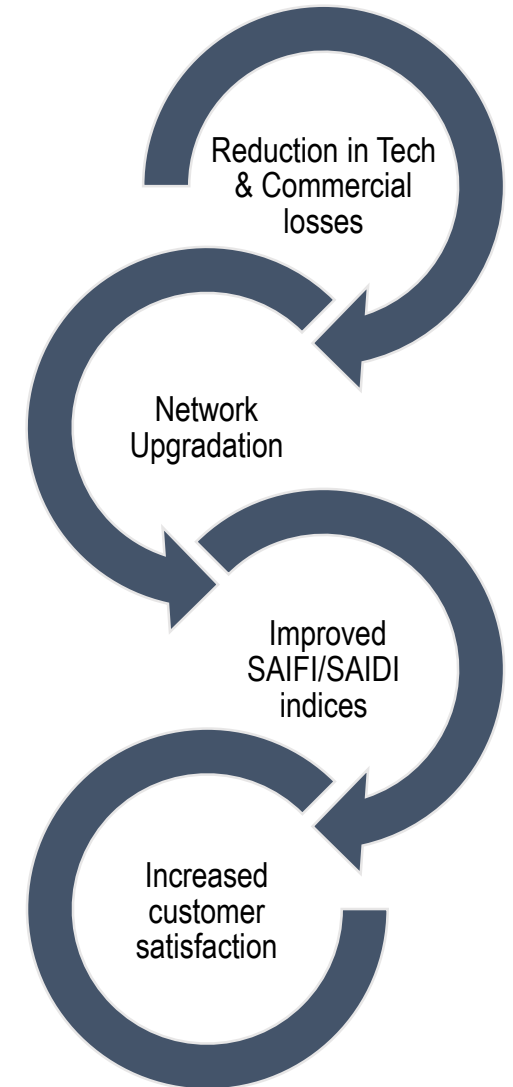


Area	721 sq kms
Population	10 lacs
No of Customers	160,000 Nos
Demand	800 MVA
Annual Energy Input	2500 MUs

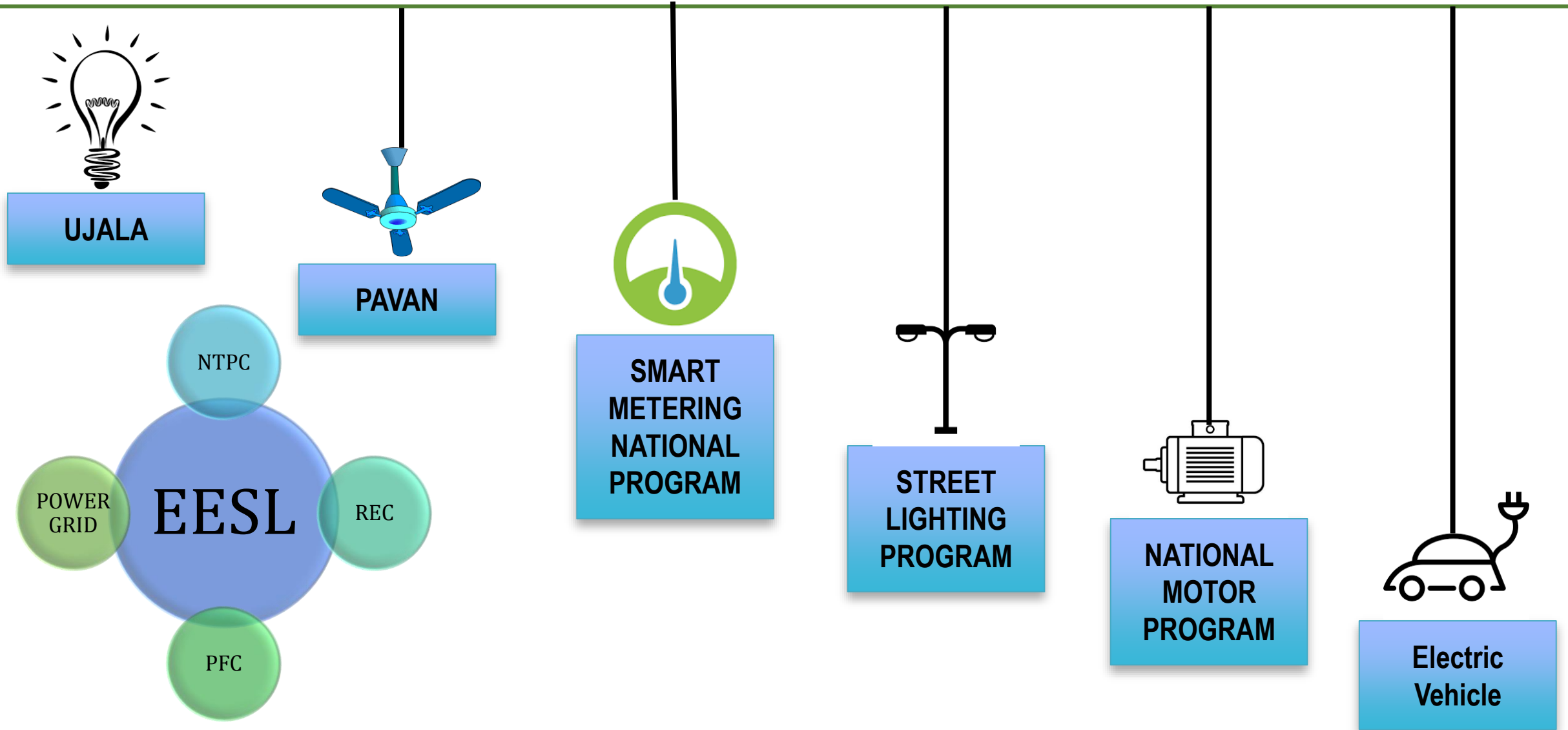
AT&C losses :
58% to 17.45%

Collection Efficiency
68% to 99%

DT failure rate:
42% to 1.7%



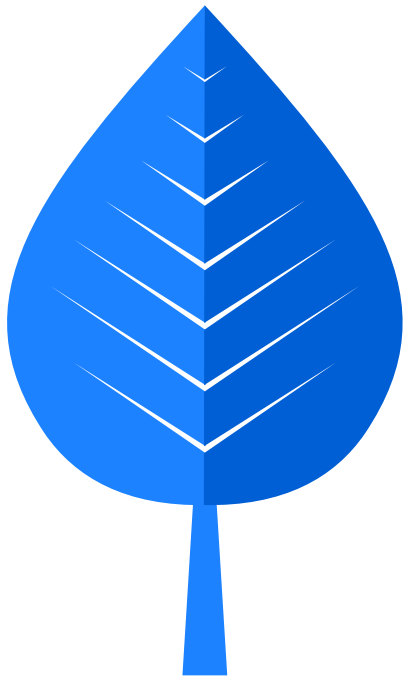
Promoting ENERGY EFFICIENCY through PPP:- Energy Efficiency Services Limited (EESL)



LEARNINGS :-

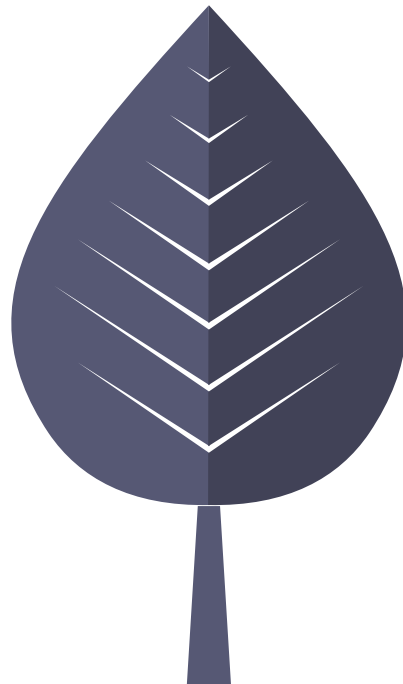
Performance Benchmarking

- ❖ Well defined baseline parameters and key performance indicators



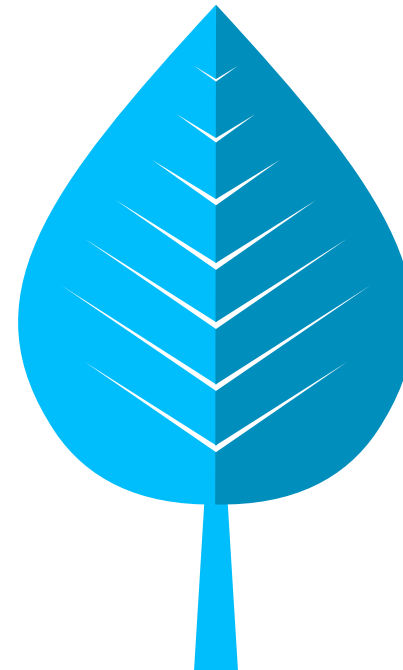
Rational Design of the process

- ❖ Achievable and realistic targets
- ❖ Avoid trend to offload risk on the private developer



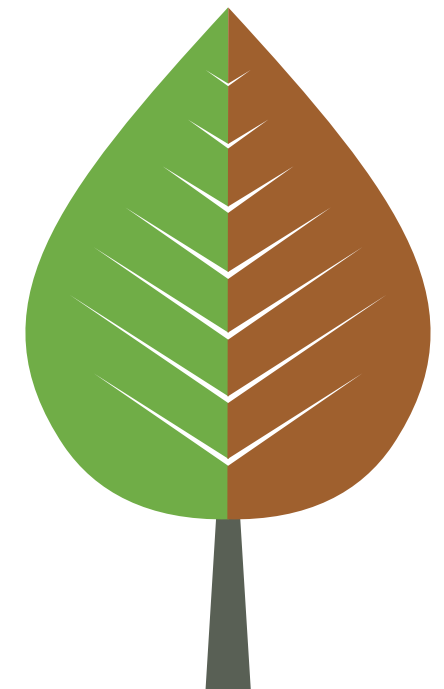
Well defined Change Management

- ❖ Supporting DF in terms of employee availability
- ❖ Minimum intervention in routine operation



Performance Monitoring

- ❖ Consumer Convenience
- ❖ Sustainability of operations






**“When ‘I’ is replaced by ‘WE’;
Even ‘I’LLNESS becomes ‘WE’LLNESS!”**

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