



**Idam Infrastructure Advisory Pvt. Ltd.**

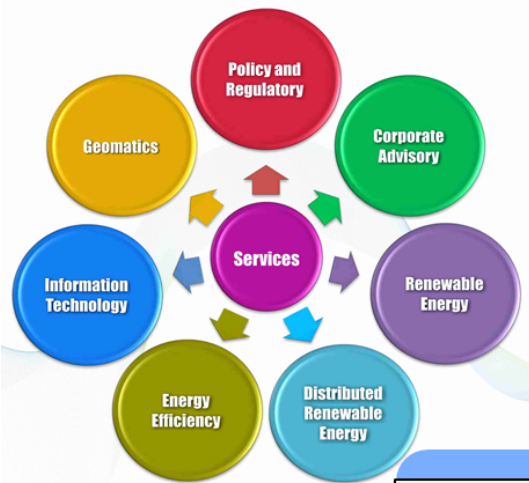
# **State Monthly Policy Debrief**

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Solar Policy Debrief: State and Central Monthly Highlights

20 October 2020

# Idam Infra - Service Offerings



## Policy and Regulatory (P&R):

- P&R Analysis
- P&R Formulation
- Tariff Orders and Petitions
- Adjudication and Appeals
- Case Specific Arbitration & Litigation Support
- Regulatory Process Support
- Market Development
- Institutional Strengthening and Capacity Building

## Corporate Advisory Services:

- Market Assessment and Business Entry Strategy
- Risk Assessment and Due Diligence
- Transaction Support Services
- Project Appraisal
- Project Design and Implementation Support
- Resource Efficiency
- Policy and Regulatory Support
- IT Solutions

## Renewable Energy (RE) Services:

- RE Policy Analysis and Design
- Grid Integration of Renewable Sources
- RE Procurement Strategy
- RE Bid Process Management
- RE Technology Assessment
- Project Feasibility Development and Structuring
- RE Transaction and Due Diligence Support
- Capacity Building

## Distributed RE Services:

- Policy Design and Analysis
- Regulatory Analysis and Process Support
- Market Assessment Services
- Project Structuring
- Techno – Commercial Feasibility Study
- Project Development and Project Management Support
- Battery Based Energy Storage
- Institutional Strengthening and Capacity Building

## Energy Efficiency (EE) Services:

- EE Policy Advisory
- DSM Planning, Implementation and Regulatory Support
- Energy & Water Audit
- EE Technology Assessment
- Engineering & Project Management
- Monitoring and verification
- Carbon Foot Printing
- Institutional Strengthening and Capacity Building

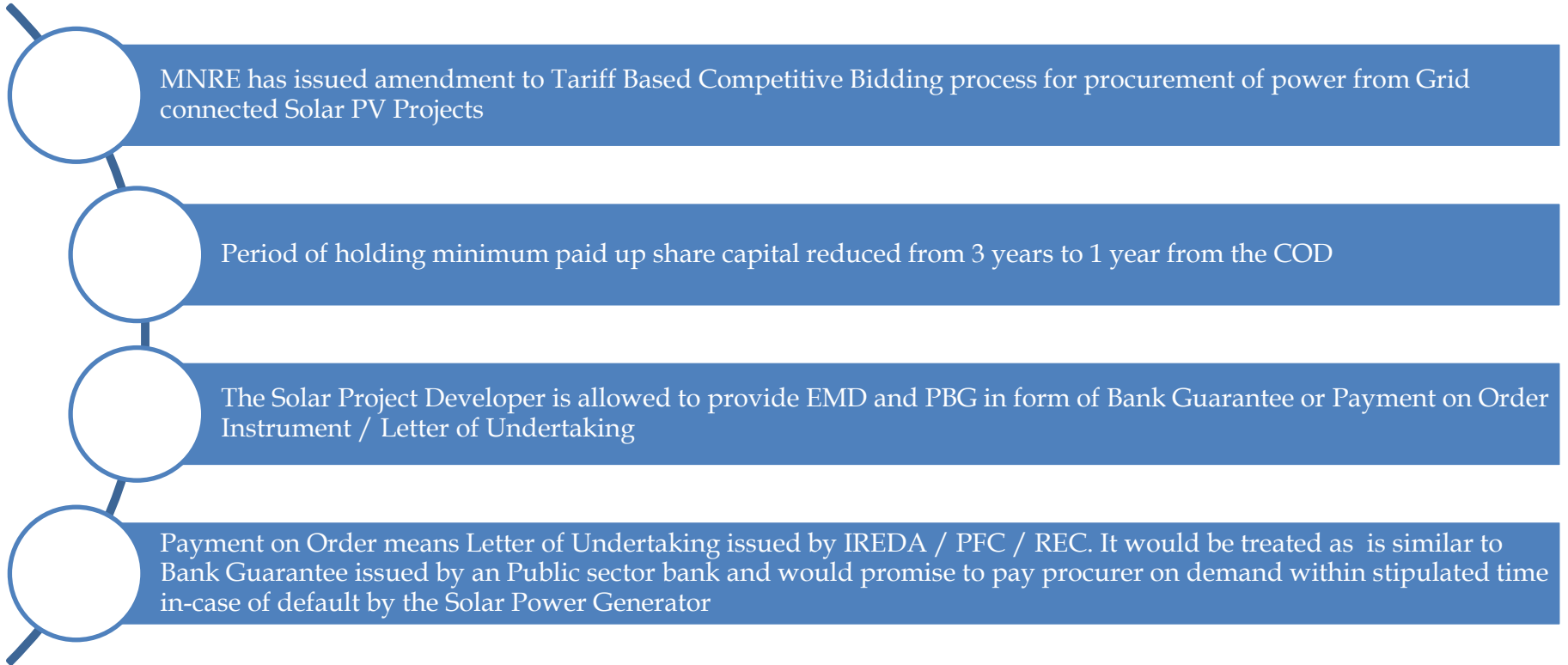
## Information Technology Services:

- IT Consulting and Strategy
- Application Development and Support
- Database Development and Administration
- Offshore Software Development and Support
- Mobile Application
- Portal Development
- Website Design and Content Management Solutions
- Technical & Customer Support

## Geomatics Services:

- Underground Utility and Cadastral Survey
- Aerial and Satellite Mapping
- 2D and 3D Geodatabase
- LiDAR Data Processing
- Orthophoto Generation
- Spatial Modelling
- Digital Elevation Model/Digital Terrain Model Generation
- Cadastral Maps Geo-Referencing and Digitization

# Amendment to Tariff based Competitive Bidding



# Green Term Ahead Market (GTAM)

- 1. GTAM is an alternative market product introduced for selling of RE power into the open market
- 2. The new market mechanism shall promote more penetration of RE power into the grid as this would provide platform to RE generators to sell power in open market and DISCOMs can purchase this power to fulfil their RPO
- 3. GTAM shall also provide an opportunity to corporate buyers who wish to fulfil their RPO/RE100 goals while meeting their short term demand at competitive prices
- 4. Market-based mechanism where RE surplus and RE deficit states would trade RE power and balance their RPO targets would incentivize RE resource rich states to develop RE capacity beyond their own obligation
- 5. This market based mechanism shall provide an alternative to REC mechanism, where you are required to purchase power and REC as well, leading to higher cost.

# Volume and Price Discovery in GTAM



- The purchase bids are higher than the sell bids in GTAM
- The market clearing price has settled ~₹3/kWh comparable to DAM

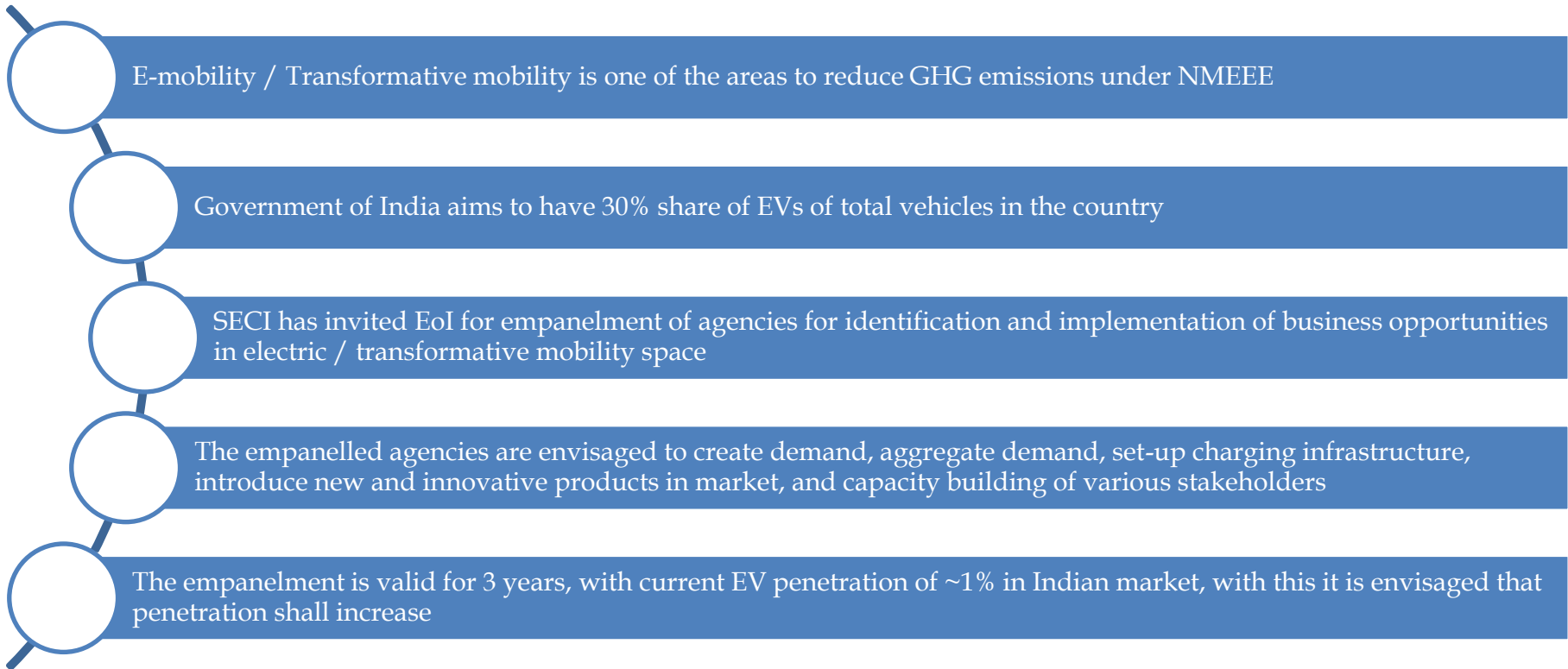
# Different Types of GTAM contracts

Market Type	Green Intra Day contracts	Green Day ahead contingency contracts	Green Daily contracts	Green Weekly contracts
<b>Contract available for trading</b>	15-minute	15-minute	15-minute	15-minute
<b>Matching</b>	Quantity (MW) and price (₹/MWh)	Quantity (MW) and price (₹/MWh)	Energy (MWh)	Energy (MWh)
<b>Delivery Day</b>	T	T+1	T+2 to T+10	T+2 to T+10
<b>Trading hours</b>	00:30 hrs to 20:00 hrs daily	15:00 hrs to 23:00 hrs	13:00 hrs to 17:00 hrs	Friday & Saturday
<b>Trading cycle</b>	Continuous trading	Continuous trading	Continuous trade or uniform price step open auction	Continuous trade or uniform price step open auction
<b>Quantity variation</b>	Zero quantity variation allowed	Zero quantity variation allowed	Downward variation up-to 15% of energy traded	Downward variation up-to 15% of energy traded

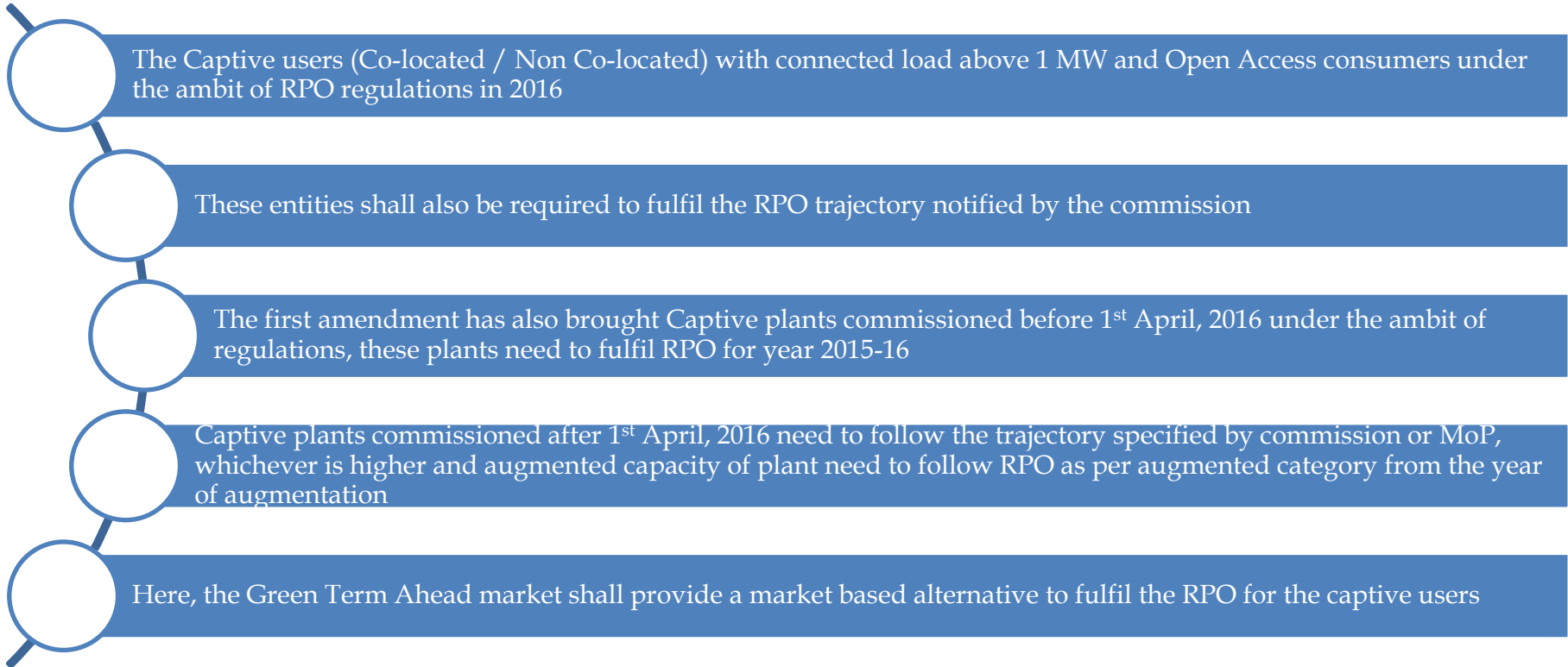
# ISA appointed Nodal Agency for OSOWOG



# SECI - EoI for Transformative/E-mobility







- Grid Connectivity of co-located SPV PP of minimum 1 KW and above .
- Minimum capacity of SPV PP for connectivity under open access now would be 500 KW .
- Power Generation from Solar is now under priority sector industry as per state industrial policy and incentives as per industrial policy are eligible for Solar Power Generation in state for Captive consumption.
- Exemption from Wheeling & Transmission charges for Solar power for captive consumption within state .
- Cross Subsidy charges Exemption for Solar power generation and captive consumption within state .
- 100% Banking of Solar Power allowed as per CERC regulation.
- Provisions of land allotment for Solar Plant from land bank as per state industrial policy.

# Thank You

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