



सोलर एनर्जी कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उपक्रम)
Solar Energy Corporation of India Ltd.
(A Government of India Enterprise)

स्वच्छ भारत - स्वच्छ ऊर्जा



No. SECI/EM/TGERC/2026/86589

Date: 16.10.2026

To
The Secretary
Telangana Electricity Regulatory Commission (TGERC)
Vidyut Niyantran Bhavan
Sy. No. 145-P, G.T.S. Colony, Kalyan Nagar
Hyderabad - 500 045

Sub: Comments/Suggestions of Solar Energy Corporation of India Limited (SECI) on the Petition filed by TGSPDCL and TGNPDCL seeking consent under Sections 63 and 86(1)(b) of the Electricity Act, 2003 and Section 21(4) of the Telangana Electricity Reforms Act, 1998 for procurement of RE power along with storage capacity

Ref:

1. OP No. 33 of 2026 filed by TGSPDCL & TGNPDCL before Hon'ble TGERC on 30.09.2026
2. Public Notice dated 06.10.2026 published on the website of the Commission

Sir,

SECI is a Central Government PSU under the Ministry of New and Renewable Energy and is designated as a Renewable Energy Implementing Agency (REIA) for the development of RE power projects in the country. It has proven record of competitive bidding for solar, wind, hybrid, RE-RTC, FDRE, standalone and co-located BESS projects, and has signed PSAs for cumulative capacity of 72 GW approximately with many Buying Utilities across the country.

SECI thanks the Hon'ble Commission for inviting public comments on the Petition. SECI supports the efforts of the TGDISCOMs to diversify their RE portfolio with wind, solar plus storage, round-the-clock (RE-RTC) and peak FDRE capacity, and to address the RCO shortfall (net RCO of 21%, 20%, 20% and 19% against MoP targets of 36.0%, 38.8%, 41.4% and 43.3% for FY 2026-27 to FY 2029-30 respectively). SECI submits the following to help the TGDISCOMs secure the proposed capacity quickly and at competitive tariffs, for the benefit of the consumers of the State.

2. Capacity addition plan proposed by TGDISCOMs

The Petition shows that, even after the capacity already in the pipeline, the State moves from a marginal energy surplus in FY 2026-27 to an energy deficit of 2,371 MUs in FY 2027-28, rising to 14,446 MUs, with a peak deficit of 6,581 MW, by FY 2029-30. The TGDISCOMs' RE share (19-21%) trails the MoP RCO trajectory (36.0% rising to 43.3%) by FY 2029-30. On the Petition's own figures, the cumulative RE shortfall is about 97,083 MUs over FY 2026-27 to FY 2029-30.

To address this, the TGDISCOMs have proposed procurement of 800 MW wind power, 3,000 MW solar power with 6,000 MWh storage, 2,000 MW RE-RTC for 25 years and 2,000 MWh (500 MW x 4 hrs) peak FDRE for 15 years, starting from FY 2028-29. The TGDISCOMs

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(An ISO 9001:2015 "QMS", ISO 14001:2015, "EMS", ISO 45001:2018, "OH&SMS" Certified Company)

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have further proposed that peak FDRE be procured by TGGENCO, and the remaining RE procurement (wind, solar and BESS hybrid) by TGREDCO and TGGENCO, through a transparent competitive bidding process in accordance with the MNRE/MoP guidelines and the bidding framework adopted by the Hon'ble Commission.

SECI respectfully submits that the capacity addition plan may be considered by the Commission as per the TGDISCOMs' requirement. However, the in-principle consent should not restrict the TGDISCOMs to a single procurement route. It should allow them to procure through any suitable route, including REIAs such as SECI, alongside TGGENCO and TGREDCO, so that power is procured in the most cost-effective manner. Procurement through SECI draws wider bidder participation because of demand aggregation across States and SECI's robust payment security mechanism and has generally led to discovery of most competitive tariffs.

3. Category-wise submissions

- 3.1 Wind Power (800 MW standalone)** - SECI has recently floated a tender (RfS No. SECI/C&P/IPP/12/0011/26-27) for selection of 1,200 MW wind power projects for 25 years (SECI-Tranche-XXI), with bid submission due on 29.10.2026. The tariff discovered in SECI's last wind tender was in the range of Rs 3.78-3.85/kWh. The TGDISCOMs may tie up their wind requirement from this live tender once the tariffs are discovered, instead of carrying out a fresh bidding process. This would also help in meeting the separate Wind RCO target.
- 3.2 Peak FDRE (500 MW / 2,000 MWh)** - SECI has recently floated a tender (RfS No. SECI/C&P/IPP/13/0012/26-27) for selection of RE power projects for Assured Peak Supply of 4,800 MWh (1,200 MW x 4 hrs) for 25 years (SECI-FDRE-X), with bid submission due on 29.10.2026. The tariff discovered in SECI's last peak FDRE tender was in the range of Rs 5.99-6.00/kWh. The 4-hour assured peak product matches the non-solar peak that the Petition (para 3.4) seeks to cover, and the TGDISCOMs' requirement of 2,000 MWh could be met from SECI-FDRE-X tender. The TGDISCOMs may tie up their peak requirement from this live tender once the tariffs are discovered, instead of carrying out a fresh bidding process.
- 3.3 RE-RTC Power (2,000 MW)** - SECI has recently concluded a bid for 1,000 MW RE-RTC power (RfS No. SECI/C&P/IPP/13/0020/25-26), with highly competitive tariffs discovered in the range of Rs 5.25-5.26/kWh for 25 years. The Trading Margin of SECI shall be Rs 0.07/kWh over and above the discovered tariff, payable by the Buying Entity as per the Standard Bidding Guidelines. The TGDISCOMs may consider procuring up to 1,000 MW of RE-RTC power from this concluded tender, which gives them immediate tariff certainty and avoids bidding time for this capacity. The balance 1,000 MW can be procured through SECI or through their own bidding, as the TGDISCOMs may decide. The Petition itself (para 3.4) records that RE-RTC/FDRE tariffs compare favourably with conventional thermal power and stay fixed over the PPA term. SECI's concluded tender is a ready way to realise this benefit. SECI has already offered this power to the TGDISCOMs vide letter dated 10.08.2026, a copy of which is enclosed at Annexure – A.

3.4 Solar + BESS hybrid (3,000 MW with 6,000 MWh BESS) - SECI has earlier discovered very competitive tariffs in solar with storage tenders: Rs 2.86-2.87/kWh for solar power with 4 hours of storage and Rs 3.12-3.13/kWh for solar power with 6 hours of storage. If the TGDISCOMs provide their consent for this type of power, SECI can float a fresh tender for the requisite quantum on the TGDISCOMs' specifications.

4. Trading Margin

The Trading Margin of Rs 0.07/kWh shall be charged by SECI as specified in the Standard Bidding Guidelines and in line with the Trading Licence Regulations, 2020.

5. Prayer/Suggestions

SECI requests the Commission to consider its submissions and

- (a) Grant in-principle consent to the TGDISCOMs for procurement of the proposed capacity to meet the growing demand as well as to fulfil RCO obligations;
- (b) Direct the TGDISCOMs to explore all available avenues, such as tying up from SECI or carrying out their own bidding through TGGENCO or TGREDCO, considering the cost effectiveness and timelines for the requirement of power;
- (c) Allow the TGDISCOMs to tie up RE-RTC power to the tune of 1,000 MW from the already concluded tender, and the wind and peak FDRE quantum from SECI's live tenders (bid submission due on 29.10.2026) once the tariffs are discovered, subject to tariff adoption under Section 63 of the Electricity Act, 2003;

Thanking you,

Enclosed: Annexure – A

Yours sincerely,


16.10.2026
(Atulya Kumar Naik)
Executive Director (EM)

Copy to:

1. The Chief Engineer (IPC & RAC), TGSPDCL, Corporate Office, 6-1-50, Mint Compound, Hyderabad-500 004
2. The Chief Engineer (IPC & RAC), TGNPDCL, H.No: 2-5-31/2, Corporate Office, Vidyut Bhavan, Nakkalagutta, Hanmakonda – 506 001



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No.: SECI/EM/2026/85087

Date: 10.08.2026

To

The Joint Managing Director
(Finance, Commercial & HRD/TGTRANSCO)
Telangana State Power Coordination Committee (TGPCC)
Vidyut Soudha
Khairathabad Hyderabad
Telangana – 500082

Sub.: Offer for Procurement of 1000 MW FDRE-RTC Power from ISTS-Connected RE Power Projects in India (SECI-FDRE-RTC-V) through SECI

Sir,

With reference to the subject cited above, SECI had published a Request for Selection (RfS) for supply of 1000 MW FDRE-RTC Power from ISTS-Connected RE Power Projects in India (SECI-FDRE-RTC-V) and is pleased to offer 1000 MW of firm, round-the-clock renewable power capacity to DISCOMs from this scheme on a long-term basis. SECI, as an Intermediary Procurer, will purchase power from the selected Developers and sell the same to willing Buying Entities on a back-to-back basis.

This offer merits your early consideration for the following reasons:

- **Round-the-clock reliability:** Supply from FDRE-RTC is firm and dispatchable across peak, solar and remaining hours, directly easing DISCOM's evening peak-demand. RE Power to be supplied in RTC manner as follows:
 - Min. DFR of 90% in each time-block during the Peak Hours;
 - Min. DFR of 50% and max. DFR of 60% in each time-block during the Solar Hours (other than Peak Hours, if applicable);
 - Min. DFR of 70% in each time-block during the Remaining Hours, i.e., Non-Solar Hours other than Peak Hours.
- **Competitive, long-term price certainty:** The Discovered Tariff of INR (5.25-5.26)/kWh shall remain fixed for the entire contract term of PSA, insulating DISCOM from future fuel-cost and market volatility.
- **Strong performance assurance:** The scheme carries stringent, time-block-wise DFR-linked penalties (1.5x PPA tariff) for shortfall in supply of power.
- **RPO and green commitment support:** RTC supply from an ISTS-connected RE project with co-located storage helps DISCOM to meet its Renewable Purchase Obligation and Energy Storage Obligations (ESO) through a single through a single contract.

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The capacities and tariffs of the selected Developers under this scheme after e-RA are as follows:

Sl. No.	Name of the Developer	Capacity Offered (MW)	Discovered Tariff through e-RA (INR/kWh)	Scheduled Commencement of Supply Date (SCSD)
1	EMIF II Holding V II Coöperatief W.A.	100	5.25	24 months from Effective date of PPA + 6 months with penalty.
2	Hero Solar Energy Private Limited	120	5.25	
3	Purvah Green Power Private Limited	70	5.25	
4	Resolven Four Energy Private Limited	150	5.25	
5	Kengeri Prime Solar Power Private Limited	180	5.25	
6	Hexa Climate Solutions Private Limited	150	5.26	
7	Juniper Green Energy Limited	230	5.26	
Total		1000		

*** SECI's trading margin of INR 0.07/kWh, shall be applicable over & above Discovered Tariff.**

The detailed salient features of the scheme are enclosed as Annexure-I.

In view of the above, it is requested to provide your consent for required quantum for procurement at the earliest to secure the allocation of power. SECI would be glad to arrange a discussion at your convenience to address any queries and facilitate an expeditious PSA execution.

Thanking you,

Yours sincerely,


10.08.2026
 (Atulya Kumar Naik)
 Executive Director (EM)

Salient Features of RfS for Supply of 1000 MW FDRE-RTC Power from ISTS-Connected RE Power Projects in India (SECI-FDRE-RTC-V)

- Min. and Max. capacity that can be allocated to a single bidder - 50 MW and 500 MW, respectively.
- Criteria for Power Supply:
- Demand Fulfilment Ratio (DFR) = [Power Injection Scheduled by the RPD (MW) in a particular time block ÷ Contracted Capacity (MW)], subject to the maximum value of DFR being 1.

RE Power to be supplied in RTC manner as follows:

- Min. DFR of 90% in each time-block during the Peak Hours;
- Min. DFR of 50% and max. DFR of 60% in each time-block during the Solar Hours (other than Peak Hours, if applicable);
- Min. DFR of 70% in each time-block during the Remaining Hours, i.e. Non-Solar Hours other than Peak Hours.

For the above purpose, a time-block shall comprise 15 minutes' duration. A Day shall commence from 00:00 Hrs. to 24:00 Hrs, with the first time-block of a Day commencing from 00:00 Hrs.

- Penalty for shortfall: @1.5 times the PPA tariff, will be calculated for all the above shortfalls on time-block-wise basis and will be reconciled on monthly basis.
- Peak Hours: Any 6 hours between 18:00 Hrs. in the evening of a day to 10:00 Hrs. in the morning of the subsequent day, to be chosen by Buying Entity on daily basis.
- Scheduled Commencement of Supply Date (SCSD): 24 months from Effective date of PPA + 6 months with penalty.
- Connectivity Requirement: At the substation chosen by the Bidder, the Bidder shall have been granted (in-principle/ final) connectivity with a Start Date of Connectivity on or before 31st December 2029.

Further, within 10 days of invitation for PPA signing by SECI, the RPD is required to furnish in-principle/ final grant of connectivity with the Start Date on or before 31st December 2029 or 36 months from Effective Date of PPA, whichever is earlier.

SECI-FDRE-RTC-V — DELIVERY PROFILE OF THE FULL 1,000 MW

Contractual minimum despatch in every 15-minute time-block | RfS No. SECI/C&P/IPP/13/0020/25-26, Clause 8.1(a) as amended by Amendment-03 dated 25.06.2026

1,000 MW

Contracted capacity awarded

900 MW

Firm in the evening peak (90%)

6,077 MU

Delivered every year

69.4%

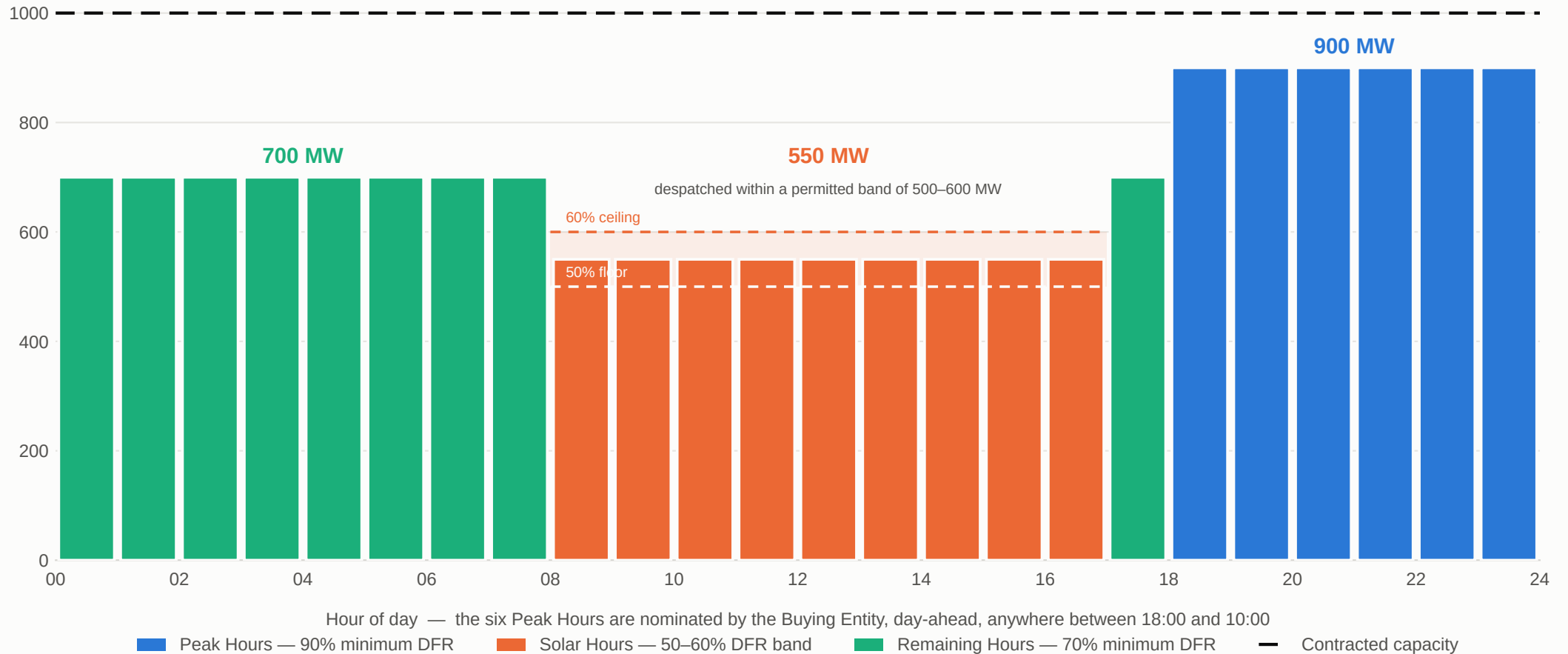
Equivalent annual load factor

REMAINING HOURS · minimum 70%

SOLAR HOURS · 50% floor, 60% ceiling

PEAK HOURS · minimum 90%

CONTRACTED CAPACITY 1,000 MW



Demand Fulfilment Ratio = power injection scheduled in a time-block ÷ contracted capacity. The minima above apply to EVERY 15-minute block, not to a daily or annual average.

Shortfall in any block attracts a penalty of 1.5 times the cost of the shortfall energy at PPA tariff, remitted to the Buying Entity. Prepared by Energy Management Department, SECI.