



भारत सरकार
केन्द्रीय विद्युत प्राधिकरण
दक्षिण क्षेत्रीय विद्युत समिति
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No. SRPC/SE-(C) /CCM-67/2026/3548-87

दिनांक/ Dated: 4th August 2026

सेवा में / To

प्रेषिती सूची के अनुसार / As per the mailing list

विषय : वाणिज्यिक उप-समिति की 67 वीं बैठक का एजेंडा।

Subject: Agenda for 67th Meeting of Commercial Sub- Committee- Reg.

महोदय/ महोदया /Sir/ Madam,

कृपया 24 अगस्त, 2026 को सुबह 09:30 बजे होने वाली एसआरपीसी की वाणिज्यिक उपसमिति की 67वीं बैठक का एजेंडा देखें। एजेंडा SRPC की वेबसाइट (www.srpc.gov.in) पर भी उपलब्ध है।

सभी सदस्यों से अनुरोध है कि वे अपनी यात्रा की योजना के बारे में नीचे दिए गए संपर्क व्यक्तियों को काफी पहले सूचित कर दें, ताकि ज़रूरी इंतज़ाम किए जा सकें।

क्रम संख्या	समन्वय अधिकारियों के नाम	मोबाइल नंबर	ईमेल आईडी
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Please find enclosed **Agenda for the 67th Meeting of Commercial Sub-Committee of SRPC** scheduled on **24th August, 2026 at 09:30 Hrs.** M/s.Greenko has kindly consented to host the meeting. The agenda is available on SRPC website (www.srpc.gov.in) also.

It is kindly requested that all members may please intimate their travel plans well in advance to the following contact persons so that necessary arrangements can be made.

Sl. No.	Name of the Coordinating Officers	Mobile No.	Email IDs
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4	Mr. Saurabh Singla	+91 96399 35031	saurabh.si@greenkoenergyprojects.com

Venue: Greenko AP01 IREP Pvt. Ltd., Executive Camp

Address: Near Gumitham Thanda Village, Orvakalu Mandalam, Kurnool District, Andhra Pradesh.

Members are requested to scan the following QR Codes to furnish their itinerary details and to access the Google Maps link to the meeting venue.



Google Sheet link for furnishing
the itinerary details



Google Maps location of
the venue

It is requested to kindly make it convenient to attend the meeting.

भवदीय/Yours faithfully

संलग्नक: यथोपरि / Encl: as above

31/05/26
4/8/26

FOR अधीक्षक अभियन्ता(वा)/ Superintending Engineer (C)

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SOUTHERN REGIONAL POWER COMMITTEE

BENGALURU

Agenda for the 67th Meeting of Commercial Sub-Committee of SRPC

Date & Time of the Meeting: 24.08.2026 at 09:30hrs

Venue: Pinnapuram, Kurnool, Andhra Pradesh

1. Introduction

The 67th Meeting of the Commercial Sub-Committee of SRPC is scheduled to be held on **24th August 2026 at 09:30 hrs at Pinnapuram, Kurnool**. M/s Greenko has kindly consented to host the meeting.

2. Confirmation of Minutes of the Last Commercial Sub-Committee Meeting

Minutes of the 66th Meeting of the Commercial Sub-Committee of SRPC held on 08th May 2026 was issued vide letter No. SRPC/SE-(C)/CCM-66/2026/ dated 22nd May 2026.

 *Minutes of CCM-66 may please be confirmed.*

Items for Discussion

3. Items Proposed by KPTCL

KPTCL vide email dated 21.07.2026 & 24.07.2026 has furnished the following agenda for deliberation:

3.1 Review of Reactive Power Compensation Mechanism Mandatory Reactive Power Capability under CEA Connectivity Standards and CERC IEGC-2023

- i. Regulation 39(2) of CERC IEGC Regulations, 2023 stipulates that:

"All generating stations shall be capable of supplying reactive power support so as to maintain power factor at the point of interconnection within the limits of 0.95 lagging to 0.95 leading as per the CEA Connectivity Standard Regulations."

- ii. Further, Clause 1(c) of Annexure-4 to the IEGC-2023 provides that all Inverter Based Resources (IBRs), including wind, solar and energy storage systems, shall ensure that they possess the necessary reactive power capability in accordance with the CEA Connectivity Standards at all times, including non-operating hours and night hours for solar generating stations.
- iii. The above provisions establish reactive power capability as a mandatory technical requirement for grid connectivity and reliable system operation.
- iv. **Present Commercial Framework:** Annexure-4 of the IEGC-2023 provides for commercial settlement of reactive energy exchanged with the ISTS based on the prevailing voltage at the interconnection point. Accordingly, generators and other regional entities receive or pay reactive energy charges depending upon system voltage conditions.

- v. **Observations:** The existing commercial mechanism requires a review considering the following observations:
1. The CEA Connectivity Standards already mandate every generating station to maintain reactive power capability corresponding to operation within **0.95 lagging to 0.95 leading power factor** (approximately $\pm 33\%$ of rated active power capability) at the Point of Interconnection. This capability forms part of the mandatory technical obligation for grid connectivity.
 2. The present reactive power settlement mechanism provides commercial compensation for reactive power exchange even when such reactive support falls within the mandatory capability (i.e., below 33% rated MW capacity) prescribed under the CEA Connectivity Standards.
 3. Consequently, generators may receive commercial payments for providing reactive power support that is already required as a statutory grid connectivity obligation.
 4. At the same time, there is no explicit commercial disincentive or penalty for generators that fail to maintain or demonstrate the mandatory reactive power capability required under the CEA Connectivity Standards.
 5. It is also observed that despite reactive energy settlements, the desired improvement in system voltage profile is not consistently achieved, indicating that the present commercial framework may incentivizing without achieving the system voltage improvement.

Illustrative Example:

Consider a **100 MW generating station** connected to the ISTS/In-STs.

As per the **CEA Connectivity Standards**, the generating station shall be capable of operating within **0.95 lagging to 0.95 leading power factor** at the Point of Interconnection.

The corresponding mandatory reactive power capability is calculated as follows:

- Active Power, **P** = 100 MW
- Power Factor, **PF** = 0.95
- Phase Angle, $\theta = \cos^{-1}(0.95) = 18.19^\circ$
- $\tan \theta = 0.3287$

Reactive Power, **Q** = **P** $\times$ **$\tan \theta$**

$$\mathbf{Q} = 100 \times 0.3287 = 32.87 \text{ MVar} \approx 33 \text{ MVar}$$

Hence, a **100 MW generating station is mandatorily required to be capable of injecting or absorbing approximately ± 33 MVar** while maintaining the power factor limits of **0.95 lagging to 0.95 leading**, as specified under the CEA Connectivity Standards.

Existing Commercial Mechanism

Assume that, during system operation, the System Operator instructs the generator to inject **25 MVar** to improve the system voltage.

Since: **25 MVar** < **33 MVar**, the generator is merely operating **within its mandatory reactive power capability** prescribed under the CEA Connectivity Standards.

However, under the existing reactive power settlement mechanism provided in **Annexure-4 of the IEGC-2023**, the generator may receive reactive power compensation for supplying the 25 MVar, even though it is discharging a statutory technical obligation required for grid connectivity.

Similarly, if the generator fails to provide the required **25 MVar**, despite possessing the mandatory capability of **±33 MVar**, there is presently no explicit commercial disincentive or penalty for such non-compliance.

Hence, the above example demonstrates that the existing commercial framework provides compensation for reactive power support that falls within the mandatory reactive power capability required under the CEA Connectivity Standards. At the same time, there is no corresponding commercial disincentive for failure to provide the mandatory reactive power support.

- vi. Hence, it is requested to deliberate on the above issues and recommend suitable amendments as suggested below to the existing reactive power commercial settlement framework for onward submission to the Central Electricity Regulatory Commission.
 1. Reactive power capability corresponding to operation within **0.95 lagging to 0.95 leading power factor**, as mandated under the CEA Connectivity Standards, shall be treated as a mandatory grid support obligation forming part of the generator's connectivity requirements.
 2. Reactive energy compensation may be reviewed so that commercial payments are not made for reactive power support that falls within the mandatory capability required under the CEA Connectivity Standards.
 3. Commercial compensation, if any, may be considered only for reactive support provided beyond the mandatory capability or under specific directions for maintaining grid security and voltage profile.
 4. Suitable commercial disincentives may be evolved for generating stations failing to maintain the mandatory reactive power capability prescribed under the CEA Connectivity Standards and Regulation 39 of the IEGC-2023.
 5. SRPC forum may recommend to the CERC to review Annexure-4 of the IEGC-2023 to align the commercial settlement mechanism with the mandatory technical obligations specified under the CEA Connectivity Standards. Further, the reactive power compensation rates may be suitably rationalized such that the

rate payable from the reactive power pool is lower than the rate receivable by the reactive power pool.

➤ *May please be deliberated.*

3.2 Inclusion of Embedded GNA/GNA-RE Grantees in Deviation & Ancillary Services Deficit Recovery Statements – Review of Existing Billing Methodology

- i. NLDC has been issuing Net Deviation & Ancillary Services Pool Account Deficit Recovery Statements with effect from 16.09.2024, in accordance with the procedure approved by the Central Electricity Regulatory Commission (CERC). Legacy deficit recovery statements have also been issued for the period prior to 16.09.2024.
- ii. The deficit recovery amount is presently apportioned based on 50% in proportion to actual drawal at the ISTS periphery; and 50% in proportion to the General Network Access (GNA).
- iii. However, it has been observed that while calculating the GNA-based recovery for the State of Karnataka, the total State GNA considered by NLDC includes the GNA/GNA-RE quantum of embedded GNA and GNA-RE grantees (such as Railways, Open Access Consumers and other embedded entities). However, the corresponding deficit recovery liability is not separately apportioned to these embedded GNA grantees. Consequently, the entire deficit recovery amount is effectively billed to the Karnataka State Distribution Licensees (DISCOMs), although a portion of the GNA belongs to independent embedded GNA/GNA-RE entities.
- iv. **Existing Billing Framework:** It is pertinent to note that the existing Regional Transmission Account (RTA) billing mechanism already recognizes each embedded GNA/GNA-RE grantee as an independent Designated ISTS Customer (DIC). Accordingly, ISTS Transmission Charges and RLDC Fees & Charges are separately billed to each embedded GNA grantee, including entities such as:
 - a) South Western Railways (Karnataka);
 - b) ACC Limited (Karnataka); and
 - c) Karnataka DISCOMs,based on their respective approved GNA, in accordance with the CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020, as amended. Thus, the transmission billing framework already treats embedded GNA grantees as separate commercial entities.
- v. **Issue** is that While transmission charges are separately billed to embedded GNA/GNA-RE grantees, the same principle has not been adopted in the Deviation & Ancillary Services Pool Account Deficit Recovery Statements issued by NLDC.
- vi. For example, as on November 2025:
 - ✓ Total approved Karnataka DISCOM GNA: 5330 MW
 - ✓ Total Karnataka GNA considered in NLDC Statement: 5483.45 MW
- vii. The difference represents the GNA allocated to embedded GNA/GNA-RE grantees. However, separate deficit recovery liability has not been assigned to these embedded

entities. As a result, Karnataka DISCOMs are effectively bearing the deficit recovery charges attributable to embedded GNA/GNA-RE grantees despite having neither operational control nor commercial responsibility over their scheduling, deviations or ancillary service obligations.

Illustration:

For the Net Deviation & Ancillary Services Pool Account Deficit Recovery Statement for the period 03.11.2025 to 16.11.2025, the total recovery amount for Karnataka was ₹15.54 Crore.

If the same methodology adopted in Regional Transmission Account (RTA) billing is applied, the deficit recovery would be apportioned among all Karnataka GNA grantees as illustrated below:

NLDC: Net Deviation & Ancillary Services Pool Account Deficit Recovery Statement from period 03.11.2025 to 16.11.2025						
A	Net shortfall Amount (Rs):(Only for Karnataka)					155358648
B	50% Recovery in proportion to the drawl at the ISTS periphery (Rs):					77679324
C	50% Recovery in proportion to the GNA (Rs):					77679324
SI No	GNA Grantees	Actual ISTS drawl in MU (F)	GNA Quantam in MW (G)	50% in proportion to Actual Drawl (Rs.) (H=B*F/Σ F)	50% in proportion to GNA (Rs.) (I =C*G/Σ G)	Total Recovery (Rs.) (J=H+I)
1	Karnataka (BESCOM)	657.74	2,579	36338333	36529675	72868008
2	Karnataka (HESCOM)	227.70	893	12579658	12645897	25225554
3	Karnataka (GESCOM)	174.18	683	9622818	9673487	19296305
4	Karnataka (MESCOM)	121.18	475	6694627	6729878	13424504
5	Karnataka (CESCOM)	178.82	701	9879389	9931410	19810800
6	South Western Railways	41.81	113	2309977	1602332	3912309
7	ACC Limited	4.61	40	254523	566645	821168
	Total	1,406	5,483	7,76,79,324	77679324	155358648

Note: 1. The ISTS drawal for South Western Railways (Karnataka) has been considered based on its actual ISTS drawal, as its power requirement is met entirely through the ISTS (i.e., it is a single-source supply consumer).

2. ACC Limited (Karnataka) is a multi-source consumer, drawing power from multiple sources. Accordingly, for ACC Limited, the scheduled generation from power market/ISTS schedule has been considered for determining its ISTS drawal for the purpose of the above calculations.

- viii. The above illustration clearly demonstrates that embedded GNA grantees also have an identifiable share of the deficit recovery liability. However, under the present billing methodology, such liability is not separately reflected, resulting in Karnataka DISCOMs effectively bearing charges attributable to other GNA grantees.
- ix. Regulatory Concern, there is presently no explicit provision under the CERC Deviation Settlement Mechanism Regulations, Ancillary Services Regulations or the approved NLDC Procedure prescribing that Karnataka DISCOMs shall bear the deficit recovery liability attributable to independent embedded GNA/GNA-RE grantees.
- x. Further, Karnataka DISCOMs have no commercial obligation towards such entities; no scheduling control over such entities; no operational responsibility for their deviations or ancillary service liabilities. Accordingly, processing such claims without an explicit

regulatory provision or approved apportionment methodology is likely to attract audit objections.

- xi. It may be noted that a similar issue was earlier raised by Andhra Pradesh (APPCC) before the 65th CCM of SRPC forum; however, no final decision or regulatory clarification has been issued.
- xii. The matter was deliberated in detail during the 66th Commercial Sub-Committee Meeting as well as the 55th TCC and 58th SRPC Meetings. After detailed deliberation in 58th SRPC meeting, *it was recommended that Chairperson, SRPC may take up the matter with Chairperson, CERC regarding the Procedure for Segregation and Recovery of Deviation and Ancillary Services Deficit Charges Pertaining to Embedded GNA/GNA-RE Entities.*

➤ *May please be deliberated.*

4. Items Proposed by APPCC

APPCC vide email dated 04.08.2026(Annexure-4), has furnished the following agenda for deliberation:

4.1 Consideration of ISTS Developed for Renewable Energy Evacuation under the National Component

- i. CERC, through the Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020, effective from 01.11.2020, has provided for recovery of transmission charges pertaining to Inter-State Transmission System (ISTS) assets developed for evacuation of Renewable Energy (RE) under the National Component (NC-RE). At present, these transmission charges are being shared among Designated Inter-State Customers (DICs) in proportion to their GNA.
- ii. However, the circumstances prevailing at the time of notification of the Regulations have undergone significant change. The renewable energy capacity in the country has witnessed substantial growth, with the installed RE capacity increasing to approximately 227 GW out of a total installed capacity of 476 GW (as on June 2025), accounting for nearly 50% of the country's installed generation capacity.
- iii. Consequently, there has been a significant increase in the transmission charges attributable to NC-RE assets. These charges are being borne by all DICs based on their GNA, irrespective of the extent of utilization or the actual benefit derived from such transmission systems. This has resulted in an increasing transmission cost burden on the DISCOMs, particularly for entities with limited utilization of the transmission infrastructure developed for RE evacuation.
- iv. In view of the above, the Commercial Sub-Committee may deliberate on the practicality and continued appropriateness of the existing methodology for sharing NC-RE transmission charges in the present scenario. The SR constituents, may also examine whether an alternative mechanism, including consideration of such transmission charges

under the usage-based component or any other equitable cost-sharing methodology, may be recommended for further consideration by the Hon'ble CERC.

➤ *May please be deliberated.*

4.2 Socialization of Waived-off ISTS Transmission Charges on Account of GNA-RE

- i. Central Electricity Regulatory Commission has notified the CERC (Connectivity and General Network Access to the Inter-State Transmission System) Regulations, which came into full effect from 2023. Under these Regulations, certain eligible entities are permitted to obtain General Network Access for Renewable Energy (GNA-RE) for scheduling renewable energy through the ISTS.
- ii. However, the Regulations do not extend the benefit of GNA-RE to State Distribution Licensees, as they have already been granted General Network Access (GNA). Consequently, while State DISCOMs continue to bear the applicable ISTS transmission charges under the existing framework, several other eligible entities are able to avail substantial waivers of such charges through GNA-RE.
- iii. It is observed that the entities availing GNA-RE are predominantly embedded consumers connected to the State Transmission Utility (STU) or Distribution Licensee network, many of whom are commercial and industrial entities. Further, under the prevailing waiver framework, an entity can avail up to 100% waiver of ISTS transmission charges by meeting the prescribed minimum Renewable Energy scheduling criteria. The transmission charges so waived are subsequently socialized among other GNA holders, including State utilities and DISCOMs, thereby increasing their overall transmission charge liability.
- iv. It is further observed that a significant number of GNA-RE entities predominantly schedule renewable energy, particularly solar power, during solar generation hours, while meeting their remaining power requirement during non-solar hours through the State network. Since no corresponding GNA-RE mechanism exists for such non-renewable or round-the-clock power drawl, the associated ISTS transmission charges are effectively borne by the State utilities through the existing socialization mechanism. As a result, commercial entities derive the benefit of transmission charge waivers, whereas the corresponding financial burden is shifted to State-owned utilities, which are primarily public service organizations.
- v. The present mechanism, therefore, results in a disproportionate transfer of ISTS transmission charges from beneficiaries of the waiver to other GNA holders, particularly State DISCOMs. This has led to a significant increase in the ISTS transmission charge burden on State utilities without any corresponding benefit.
- vi. Further, the Draft Electricity (Amendment) Bill, 2025 emphasizes the need for cost-reflective tariffs to ensure the financial sustainability and operational viability of power sector utilities. The existing framework for waiver and socialization of ISTS transmission charges under GNA-RE, however, appears inconsistent with this objective,

as the costs incurred on account of transmission charge waivers are ultimately borne by entities that do not receive the corresponding benefit.

- vii. In view of the above, the matter is placed before the SRPC Commercial Sub-Committee for deliberation. SR constituents are requested to offer their remarks/views on the issues brought out above. Based on the deliberations and consensus arrived at, the Committee may decide the further course of action, including making appropriate recommendations to the Ministry of Power and the CERC for suitable review of the existing GNA-RE transmission charge waiver mechanism to ensure equitable allocation of transmission charges among all stakeholders.

➤ *May please be deliberated.*

4.3 Timelines for Freezing Schedules and Revision of Regional Energy Accounts (REA)

APPCC requested to deliberate and evolve suitable timelines and procedures for freezing schedule revisions and limiting subsequent revisions to Commercial Statements, to ensure timely billing, commercial certainty, ease of accounting, and efficient settlement of payments for all regional constituents.

➤ *May please be deliberated.*

5. Items Proposed by NPCIL KKNPP

KKNPP vide letter dated 27.07.2026 furnished the following agenda for deliberation:

5.1 APPCC (Andhra Pradesh Power Co-Ordination Committee):

For APPCC an outstanding balance of Rs. 30 Lakhs & Delay Payment Charges of total Rs.1.39 Crores is pending. KKNPP Officials visited M/s. APTRANSCO (APDISCOMS) on 03.02.2026 & 04.02.2026; however, the reconciliation statement is not yet signed.

5.2 TGPCC (Telangana Power Co Ordination Committee):

An outstanding balance of Rs 28 Lakhs & LPS (delayed payment charge) of Rs.2.05 Crores is pending for payment.

5.3 GESCOM (Karnataka):

Revised Letter of Credit value required for GESCOM is Rs. 14.68 Crores. LC value available for GESCOM is Rs. 12.99 Crores. Kindly provide LC for the shortage value. LPS instalments are not received from April'2026. Reconciliation details with respect to the payments made are not matching with the books of KKNPP. Outstanding due of Rs. 55 Lakhs is to be paid immediately with late payment surcharge of the Rs. 40.90Lakhs.

CCM-66:

Entity	Updates
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APPCC	High level meeting was held and subsequently a letter was issued on 11.03.2026. It was informed that the matter was under consideration and would be settled.
TGPPCC	Detailed computation had been shared with KKNPP with respect to the LPS amount, explaining how TGPPCC arrived at the said amount. The matter was under verification, and KKNPP was requested to furnish the details of the computation. Reply was awaited from KKNPP. NPCIL(KGS) informed that the matter would be studied by KKNPP and a response would be provided thereafter.

➤ *May please be deliberated.*

6. Items Proposed by NPCIL KGS

KGS vide letter dated 30.07.2026 furnished the following agenda for deliberation:

6.1 M/s. KSEBL: Non-payment of Dues

The old outstanding due of Rs.8.33 Cr. is yet to be settled by M/s KSEBL. Out of this, Rs.6.78 Cr. pertains to Income Tax (MAT) claim related to the period FY 2006-07 to FY 2010-11 & balance towards incorrect claim of rebate. The matter was regularly taken up in 61st, 62nd & 66th CCMs.

The queries raised subsequently by M/s KSEBL related to Income Tax MAT claim was clarified by NPCIL on 08th June 2026, as per the discussion had in the 66th CCM. The matter is required to be settled at the earliest which is pending for more than 15 years. M/s KSEBL is requested to intimate a timeline by which the payment can be released.

6.2 Telangana (TGPPCC/ TSPCC): Reconciliation of Old Dues

An amount of Rs.3.60 Cr. towards energy dues was not included while settling the old outstanding dues through instalments under Electricity (Late Payment Surcharge and Related Matters) Rules, 2022. It happened due to in-complete reconciliation of old dues. The matter was taken up with the DISCOM and reconciliation was proposed. All the relevant details have been shared with the DISCOM. M/s TGPPCC is requested to complete the reconciliation and settle the dues along with applicable DPC/LPS at the earliest.

6.3 Andhra Pradesh (APPCC/APTRANSCO): Reconciliation of Old Dues

Late payment Surcharge / DPC amounting to Rs.19.87 Cr. as on 30.06.2026 is pending for more than 5 years. APTRANSCO is requested to reconcile & settle the dues without any further delay.

6.4 GESCOM: Non-payment of Dues:

GESCOM had made short payments during Feb-2016 to Aug-2018 and the total outstanding amount comes to Rs.5.20 Cr. DISCOM had claimed rebate during the said period, though the payments were not made in time. NPCIL disallowed the rebate. Short payments were also observed in some of the bills. The issue was taken up many times in SRPC-CCM (CCMs 62,

63, 64, 65, 66 etc.) and every time it was communicated by GESCOM in the previous CCMs that the payment will be released in one-month time. However, the payment is still pending.

CCM-66:

Entity	Updates
KSEBL	KSEBL informed that the details submitted by NPCIL had been forwarded to the Finance Division. A few additional documents were required. KSEBL stated that, in this regard, an email had already been sent. NPCIL KGS requested that all queries be communicated in the form of a formal letter so that the same could be forwarded to NPCIL Headquarters for further necessary action.
GESCOM	PCKL replied that the status remained unchanged and that the matter would be taken up with GESCOM to sort out the issues.

➤ *May please be deliberated.*

7. DOCO OF PARTIAL ASSETS AND RECOVERY OF TRANSMISSION CHARGES BY WRSR POWER TRANSMISSION LIMITED

- a) WRSR Power Transmission Limited of M/s Adani Energy Solutions vide letter dated 13.07.2026 (**Annexure-7**) had requested SRPC to recommend that WPTL may declare part COD / DOCO of the commissioned scope from the date of successful trial run in compliance with the provisions of Regulation 27(1)(c)(ii) of the IEGC, 2023; and to facilitate proportionate recovery of transmission charges for the commissioned elements, in line with Schedule 2 of the TSA and the applicable CERC Sharing Regulations, 2020.
- b) Regulation 27(1)(c)(ii) of the CERC (Indian Electricity Grid Code) Regulations, 2023 states
 - (ii) *The COD of a transmission element of the transmission system under Tariff where found Based Competitive Bidding shall be declared only after the declaration of the COD of all the pre-required transmission elements as per the Transmission Services Agreement: Provided that in case any transmission element is required in the interest of the power system as certified by the concerned RPC(s), the COD of the said transmission element may be declared prior to the declaration of the COD of its prrequired transmission elements.*
- c) NLDC/SRLDC/CTUIL may apprise the forum.

➤ *May please be deliberated.*

8. Metering Schemes for Approval

8.1 Manikaran Analytics Limited (MAL), QCA at NP Kunta, Andhra Pradesh:

Agenda:

- a) M/s. Manikaran Analytics Limited (MAL), QCA at NP Kunta, has submitted a revised metering scheme for approval vide e-mail dated 08.07.2026(**Annexure-8a**), consequent to the addition of 150 MW of solar generation capacity comprising M/s. Athena Bhiwadi Solar Power Pvt. Ltd., M/s. Athena Hisar Solar Power Pvt. Ltd., and M/s. Athena Karnal Solar Power

Pvt. Ltd., each having an installed capacity of 50 MW. With this addition, the cumulative capacity under the QCA is proposed to increase from 1200 MW to 1350 MW.

- b) An online meeting was held on 17.07.2026, wherein M/s. Athena was advised to rectify the long-pending metering issues by replacing the existing meters. M/s. Athena informed that the meters were functioning properly and that the issue was attributable to the CT readings. However, it was further requested additional time to rectify the issue by changing the CT ratio.
- c) M/s. Athena, vide email dated 24.07.2026, informed that the CT ratio settings of all six standby meters were changed in a phased manner between 18.07.2026 and 21.07.2026. Following these changes, all six meters started recording auxiliary consumption. The results were reviewed and validated by their technical team. Accordingly, M/s. Athena requested SRLDC to review the observations and accord approval for implementing the corresponding CT ratio setting changes in the Main and Check meters.
- d) SRLDC, vide email dated 28.07.2026, examined the SEM data and observed that the following meters were not recording data during non-solar hours:

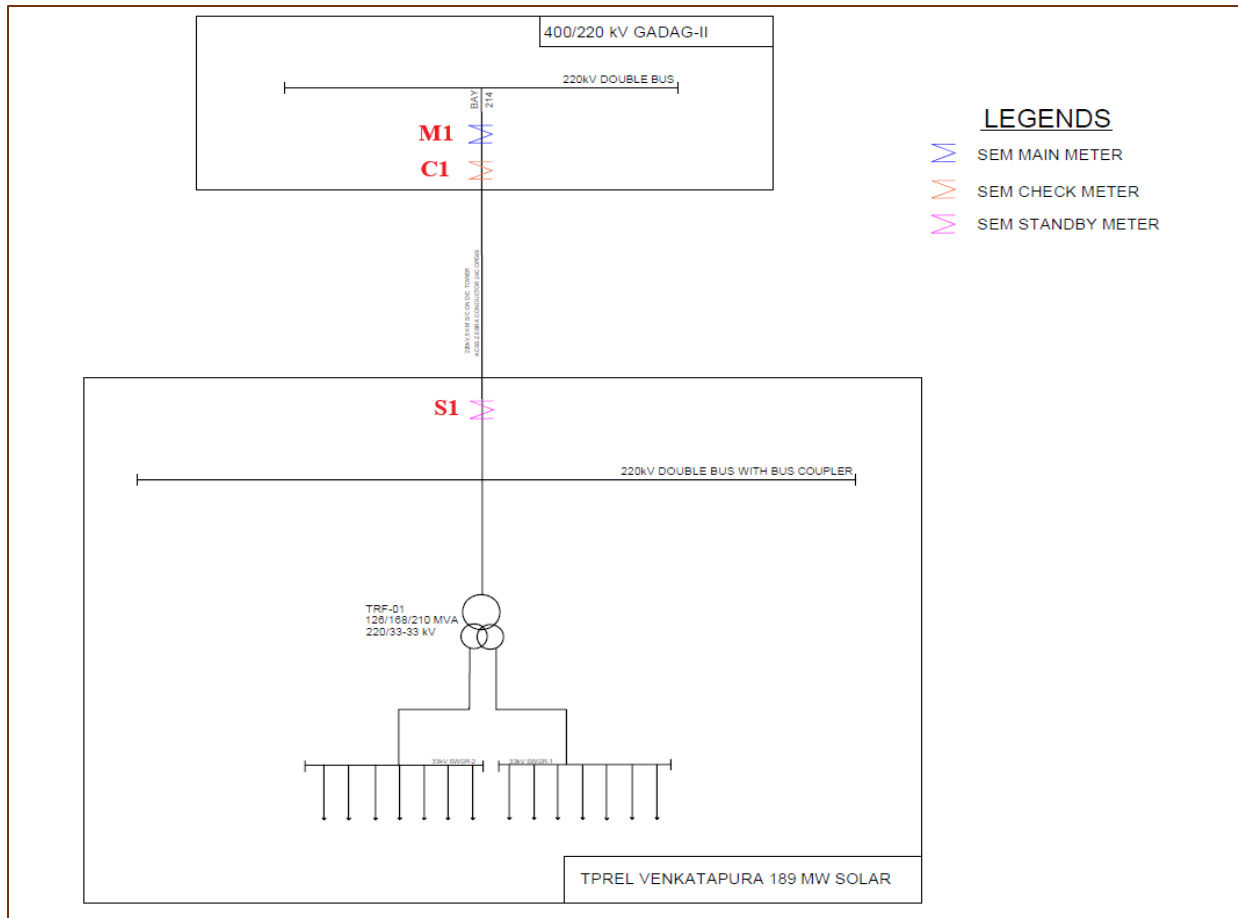
Meter Serial No	Date	Time Block
AT-0497-A	20-07-2026	19:15 to 22:00 Hrs
	21-07-2026	19:00 to 21:45 Hrs
AT-0503-A	23-07-2026	19:15 to 23:45 Hrs
	25-07-2026	22:45 to 23:45 Hrs
	26-07-2026	00:00 to 01:30 Hrs
AT-0506-A	24-07-2026	19:15 to 20:15 Hrs

➤ *May please be deliberated.*

8.2 M/s. Tata Power Renewable Energy Ltd. at Venkatapura, Karnataka:

Agenda:

- a) M/s. Tata Power Renewable Energy Ltd. is developing a Solar Power Park of 189 MW at Venkatapura, Karnataka which is proposed to be connected to the Bay No. 214 at 400/220 KV Gadag-II PS. Final grant of connectivity have been obtained from CTUIL, vide letter dated 20.07.2026.
- b) They have submitted Metering Scheme for approval, vide mail dated 23.07.2026 (**Annexure-8b**).
- c) The sketch of proposed metering scheme is given below.



d) The following meters will be the part of metering scheme.

Meter details:

SEMs to be used	
Main meter	SEM (M1) at 220kV Bus at Bay-214 of 400/220 KV Gadag-II PS.
Check meter	SEM (C1) at 220kV Bus at Bay-214 of 400/220 KV Gadag-II PS.
Standby meter	SEM (S1) at 220kV Bus at TPREL Station's end.

Accounting Methodology:

SEMs to be Used	
Active Energy	SEM at 220kV Bus at Bay-214 of 400/220 KV Gadag-II PS.
Reactive Energy	SEM at 220kV Bus at Bay-214 of 400/220 KV Gadag-II PS.

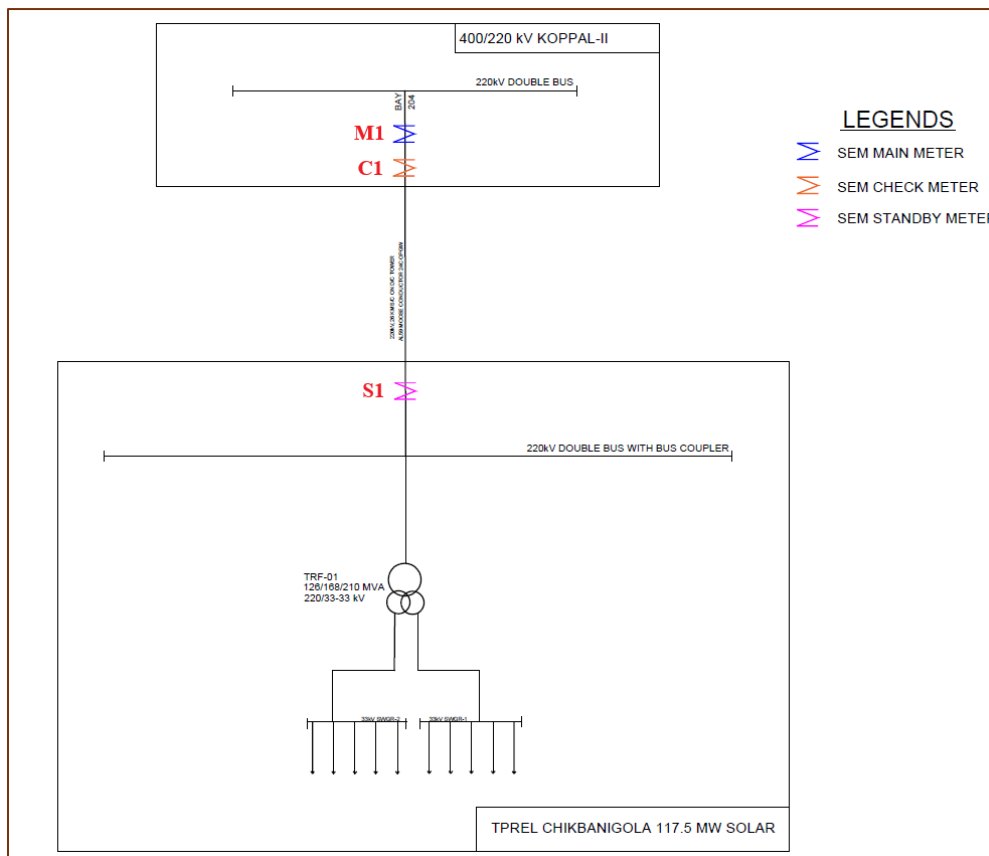
- e) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:
- “Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.*
- f) It may be noted that single DSM and reactive energy accounting will be undertaken for the project, which will be classified under the **Solar** category.
- g) The metering scheme is subject to variation based on Regulatory Requirements.

➤ ***May please be deliberated.***

8.3 M/s. Tata Power Renewable Energy Ltd. at Chikbanigola, Karnataka:

Agenda:

- M/s. Tata Power Renewable Energy Ltd. is developing a Solar Power Park of 117.5MW at Chikbanigola, Karnataka which is proposed to be connected to the Bay No. 204 at 400/220 KV Koppal-II PS. Final grant of connectivity have been obtained from CTUIL, vide letter dated 20.07.2026.
- They have submitted Metering Scheme for approval, vide mail dated 23.07.2026 (**Annexure-8c**).
- The sketch of proposed metering scheme is given below.



- The following meters will be the part of metering scheme.

Meter details:

SEMs to be used	
Main meter	SEM (M1) at 220kV Bus at Bay-204 of 400/220 KV Koppal-II PS.
Check meter	SEM (C1) at 220kV Bus at Bay-204 of 400/220 KV Koppal -II PS.
Standby meter	SEM (S1) at 220kV Bus at TPREL Station's end.

Accounting Methodology:

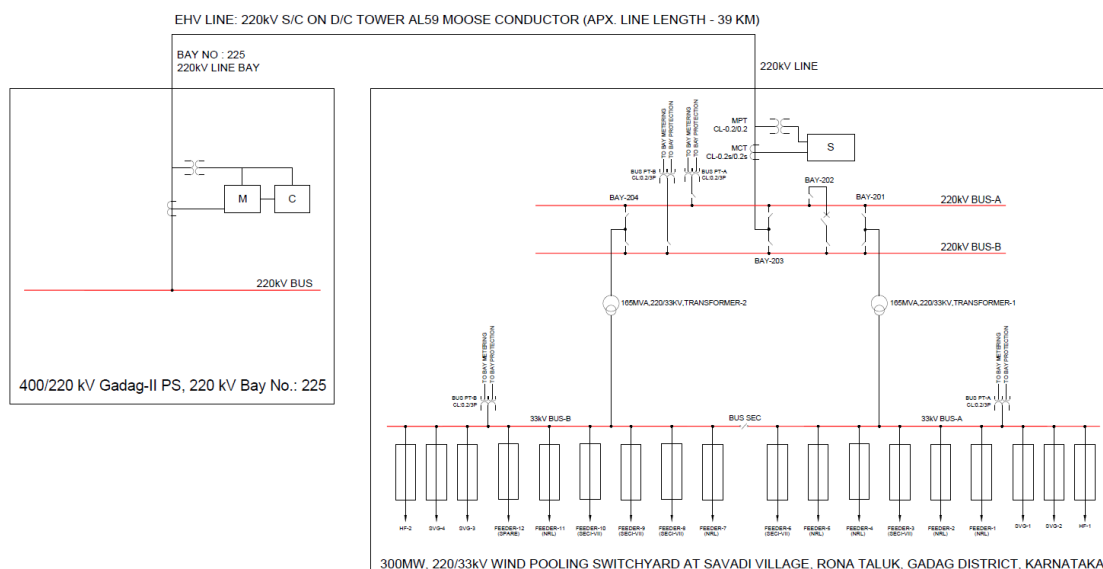
SEMs to be Used	
Active Energy	SEM at 220kV Bus at Bay-204 of 400/220 KV Koppal -II PS.
Reactive Energy	SEM at 220kV Bus at Bay-204 of 400/220 KV Koppal -II PS.

- “Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.*

- *May please be deliberated.*

Agenda:

- a) M/s. Green Infra Renewable Projects Ltd. is developing a Wind Power Park of 300MW at Savadi Village, Rona Taluk, Gadag, Karnataka which is proposed to be connected to the Bay No. 225 at 400/220 KV Gadag-II PS. Final grant of connectivity have been obtained from CTUIL, vide letter dated 01.03.2024.
- b) They have submitted Metering Scheme for approval, vide mail dated 29.07.2026 (**Annexure-8d**).
- c) The sketch of proposed metering scheme is given below.



- Meter details:**

SEMs to be used	
Main meter	SEM (M) at 220kV Bus at Bay-225 of 400/220 KV Gadag-II PS.
Check meter	SEM (C) at 220kV Bus at Bay-225 of 400/220 KV Gadag -II PS.
Standby meter	SEM (S) at 220kV Bus at Green Infra Renewable Projects Ltd. Station's end.

Agenda for the 67th Meeting of Commercial Sub-Committee to be held on 24.08.2026

SEMs to be Used	
Active Energy	SEM at 220kV Bus at Bay-225 of 400/220 KV Gadag -II PS.
Reactive Energy	SEM at 220kV Bus at Bay-225 of 400/220 KV Gadag -II PS.

- e) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:

“Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.

- f) **It may be noted that single DSM and reactive energy accounting** will be undertaken for the project, which will be classified under the **Wind** category.
- g) The metering scheme is subject to variation based on Regulatory Requirements.

➤ ***May please be deliberated.***

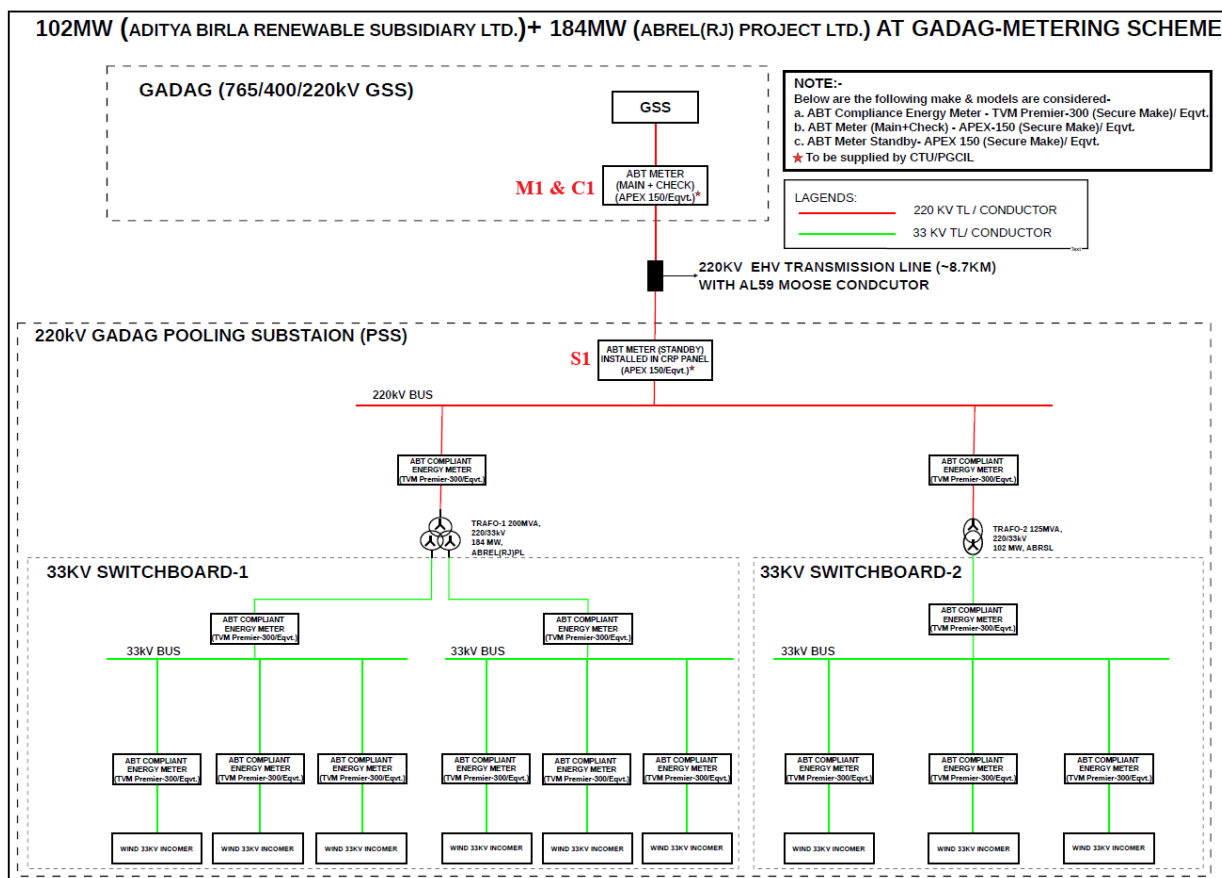
8.5 M/s. Aditya Birla Renewables Ltd. at Gadag, Karnataka:

Agenda:

- a) M/s. Aditya Birla Renewables Ltd. is developing a Wind Power Park of 286 MW at Gadag, Karnataka which is proposed to be connected to the 400/220 KV Gadag-II PS. Final grant of connectivity have been obtained from CTUIL, vide letters dated 20.10.2023 & 30.11.2023.
- b) 286MW Wind Power Park is made up of 2Nos. SPV's and the connectivity for the project has been granted at Gadag-II ISTS Substation as shown below.

Sl.No.	SPV Name	Connectivity Quantum
1	ABREL(RJ) Projects Limited	184MW
2	Aditya Birla Renewables Subsidiary Limited	102MW

- c) They have submitted Metering Scheme for approval, vide mail dated 04.06.2026 (**Annexure-8e**).
- d) The sketch of proposed metering scheme is given below.



e) The following meters will be the part of metering scheme.

Meter details:

SEMs to be used	
Main meter	SEM (M1) at 220kV Bus of 400/220 KV Gadag-II PS.
Check meter	SEM (C1) at 220kV Bus of 400/220 KV Gadag -II PS.
Standby meter	SEM (S1) at 220kV Bus at ABREL's Pooling Station's end.

Accounting Methodology:

SEMs to be Used	
Active Energy	SEM at 220kV Bus of 400/220 KV Gadag -II PS.
Reactive Energy	SEM at 220kV Bus of 400/220 KV Gadag -II PS.

f) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:

“Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.

g) **It may be noted that single DSM and reactive energy accounting** will be undertaken for the project, which will be classified under the **Wind** category.

h) The metering scheme is subject to variation based on Regulatory Requirements.

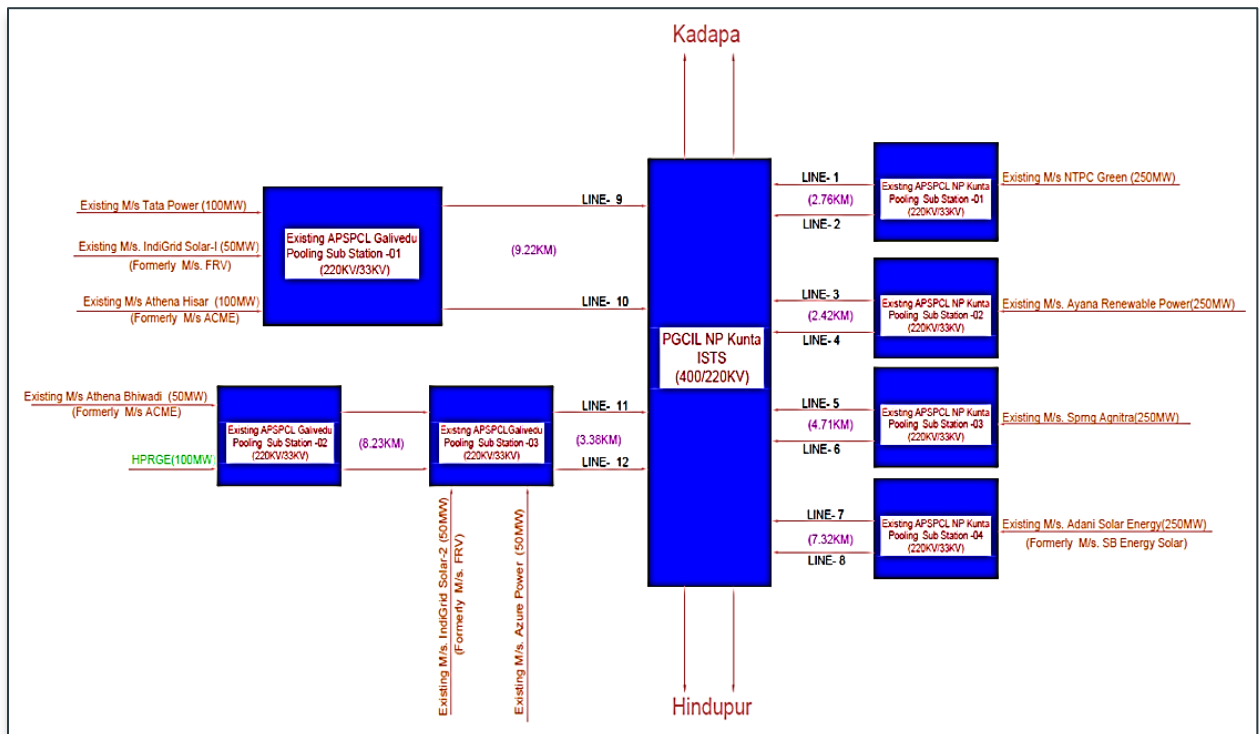
➤ **May please be deliberated.**

PROVISIONALLY APPROVED METERING SCHEMES

8.6 M/s HPCL Renewable and Green Energy Limited at Galiveedu, Andhra Pradesh:

Agenda:

- M/s HPCL Renewable and Green Energy Limited, Galiveedu is developing a Solar Project of 100MW capacity at Galiveedu, Andhra Pradesh which is a part of 500MW Gaaliveedu Solar Power Park in 1500MW Ananthapuram Ultra Mega Solar Park.
- APSPCL vide mail dated 15.05.2026 (**Annexure-8f1**), have forwarded the metering scheme proposal of HPCL Renewable and Green Energy Limited's (HPRGE) 100MW Solar Power Plant at Galiveedu. HPCL Renewable and Green Energy Limited vide mail dated 19.05.2026 have submitted the metering scheme proposal along with metering SLD's.
- Subsequently, an online meeting was conducted on 21.05.2026 with the participation from APSPCL, HPRGE, SRLDC and SRPC to discuss the metering scheme of HPRGE 100MW Solar Plant. APSPCL was requested to submit the revised metering SLD of entire 500MW Gaaliveedu Solar Power Park for which APSPCL have submitted the metering scheme vide mail dated 22.05.2026.
- It has been observed that, HPRGE 100MW Solar Plant is getting connected to APSPCL 220/33KV Pooling Sub-Station-02 and there is a connectivity from APSPCL 220/33KV Pooling Sub-Station-02 to APSPCL 220/33KV Pooling Sub-Station-03. Hence, APSPCL 220/33KV Pooling Sub-Station-02 is not directly connected to Galiveedu PS-2 i.e. NP Kunta Pooling Station as in below shown SLDs,



- Hence, the loss apportionment & actual computation for HPRGE 100MW Solar Plant will be carried out as per the method mentioned in **Annexure-8f2**.

- f) HPRGE shall install SEMs (Main, Check and Standby Meters) on all 4Nos. 33KV feeders (each of capacity 25MW) conforming to the JC technical specifications approved by the NPC and the data shall be compatible with the RLDC format.
- g) **Single DSM & Reactive energy accounting** will be undertaken for the project, which will be classified under the **Solar category**.
- h) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:
“Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.
- i) The metering scheme is subject to variation based on Regulatory Requirements.
- j) The scheme was discussed during the meeting held on 21.05.2026 and provisionally approved.

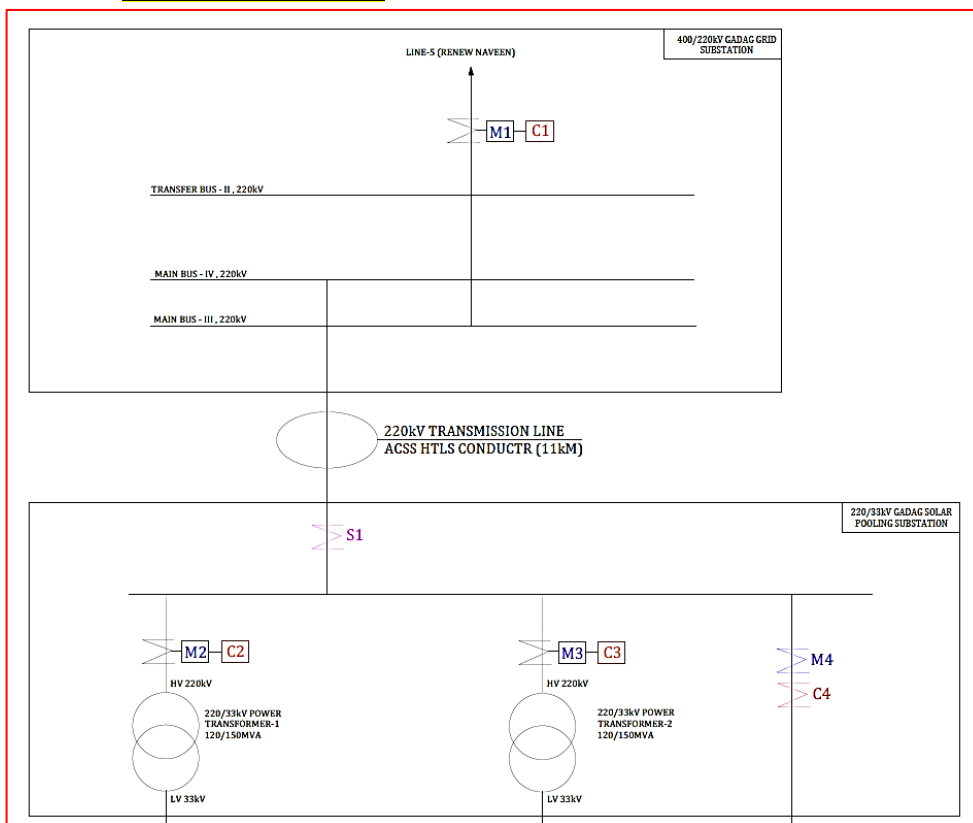
➤ *May please be deliberated.*

8.7 M/s. Serentica Renewables India 6 Private Limited (SRI6PL) at Gadag, Karnataka:

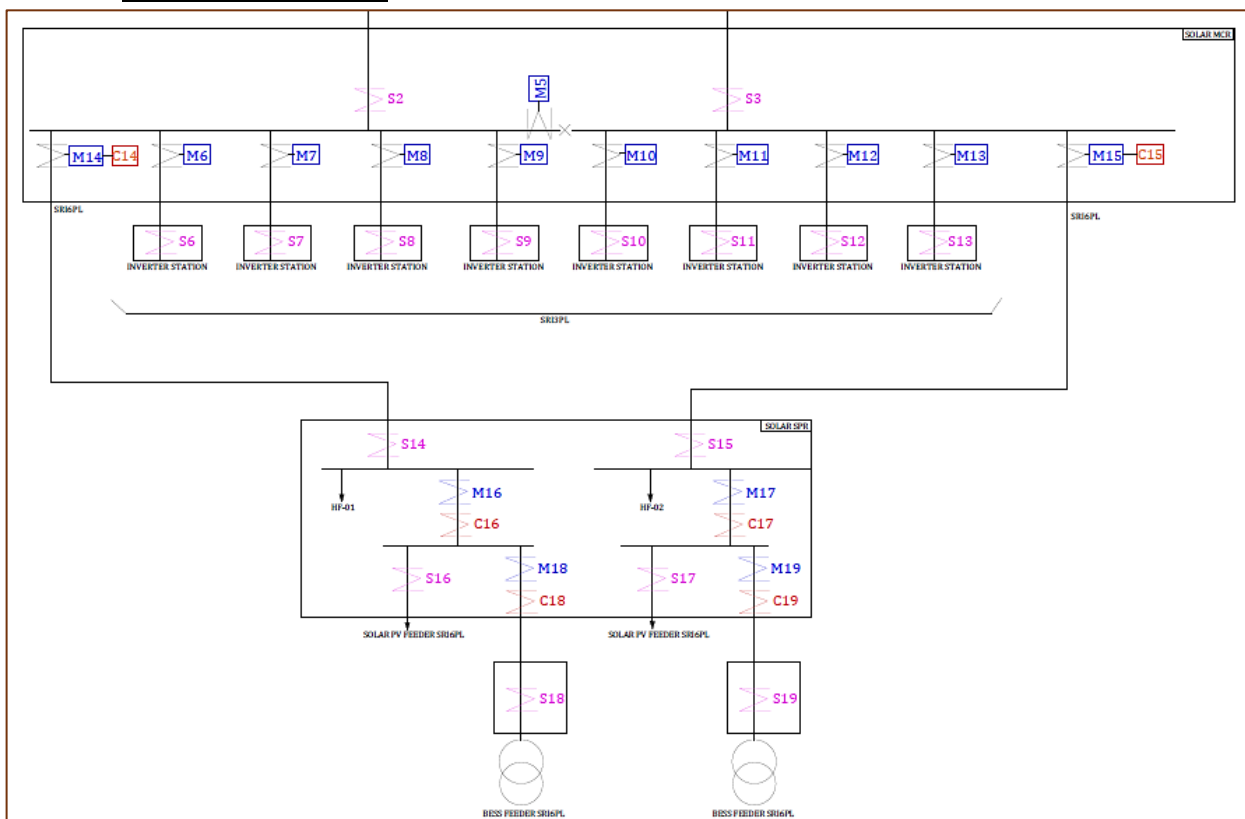
Agenda:

- a) M/s. Serentica Renewables India Private Limited (SRIPL), vide e-mail dated 18.06.2026(**Annexure-8g**), submitted the revised metering scheme of the existing project, Serentica Renewables India 3 Private Limited (SRI3PL) (Phase-I), consequent to the addition of Serentica Renewables India 6 Private Limited (SRI6PL) as Phase-II of the project at Gadag, Karnataka.
- b) The metering scheme of Serentica Renewables India 3 Private Limited (SRI3PL) (Phase-I), which is of installed capacity of 470MW(Solar-200MW, Wind-270MW) was deliberated in **57th CCM** and approved vide Minutes dated 22.11.2023.
- c) Subsequently, Serentica Renewables India 6 Private Limited (SRI6PL), which is of installed capacity of 107MW(Solar-37MW, Wind-60MW & BESS-10MW/20MWhr) is proposed to be integrated as Phase-II of the project, necessitating the revision of the approved metering scheme.
- d) The connectivity at Gadag for M/s. Serentica Renewables India Private Limited (SRIPL) is 285MW.
- e) The sketch of proposed metering scheme is given below:

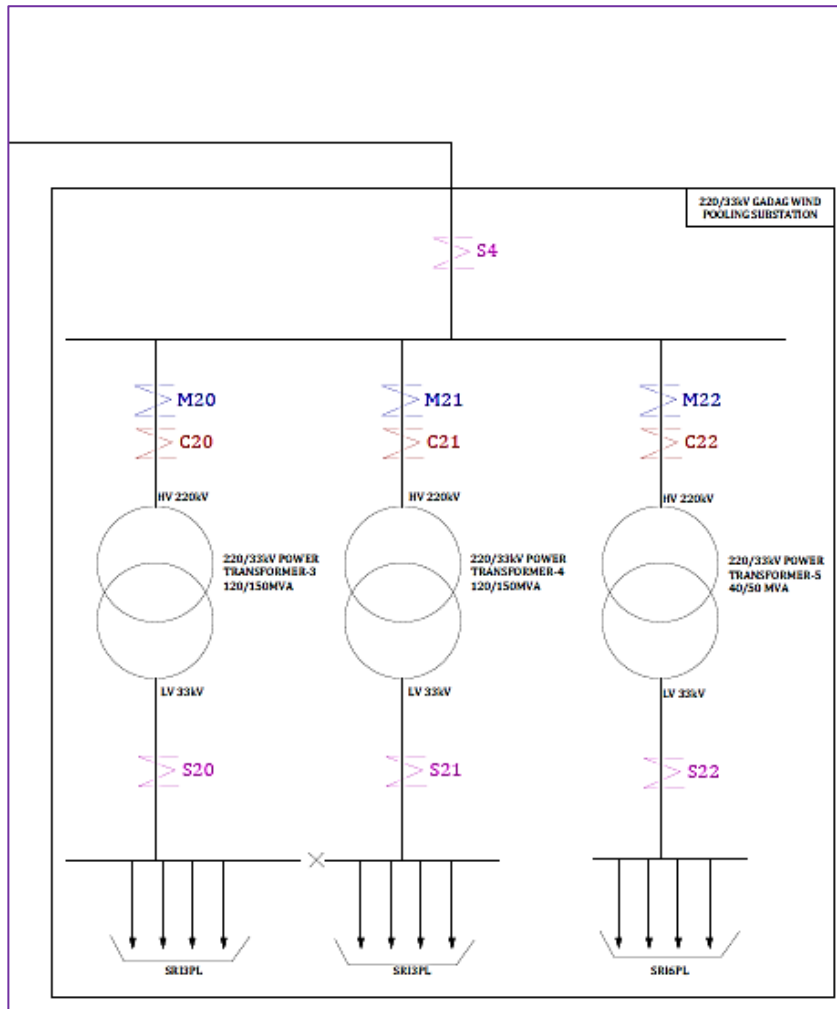
ISTS Connectivity:



Solar Connectivity:



Wind Connectivity:



- f) The accounting methodology shall remain unchanged as approved in the 57th CCM. The approved methodology is reproduced below for ready reference.

Meter details:

SEMs to be used	
Main meter	SEM (M1) at 220kV Bus of 400/220kV Gadag,ISTS SS.
Check meter	SEM (C1) at 220kV Bus of 400/220kV Gadag,ISTS SS.
Standby meter	SEM (S1) at 220kV Bus at 220KV Bus of 220/33KV Gadag Solar Pooling Station of SRIPL.

Accounting Methodology:

	SEMs to be Used
--	-----------------

Active Energy	SEM at 220kV Bus of 400/220kV Gadag,ISTS SS.
Reactive Energy	SEM at 220kV Bus of 400/220kV Gadag,ISTS SS.

- g) The revised metering scheme was deliberated during the special meetings held on 14.05.2026 and 17.06.2026, with participation from M/s. Serentica Renewables India Private Limited (SRIPL), SRLDC, and SRPC. Pursuant to these discussions, M/s. Serentica Renewables India Private Limited (SRIPL) conveyed its decision to adopt a single DSM and Reactive Energy accounting arrangement for both Serentica Renewables India 3 Private Limited (SRI3PL) and Serentica Renewables India 6 Private Limited (SRI6PL), instead of maintaining separate DSM and Reactive Energy accounting for each SPV.
- h) **It may be noted that single DSM & Reactive energy accounting** will be undertaken for both Serentica Renewables India 3 Private Limited(SRI3PL) & Serentica Renewables India 6 Private Limited(SRI6PL) in the name of **M/s. Serentica Renewables India 3 Private Limited(SRI3PL)**, which will be classified under **Solar/Hybrid** Category.
- i) M/s. Serentica Renewables India Private Limited (SRIPL) shall install SEMs (Main, Check, and Standby Meters), as discussed, to facilitate source-wise segregation of power. The metering arrangement shall conform to the Joint Committee (JC) Technical Specifications approved by NPC, and the meter data shall be compatible with the RLDC format.
- j) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:
- “Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.*
- k) The metering scheme is subject to variation based on Regulatory Requirements.
- l) The scheme was discussed during the meetings held on 14.05.2026 & 17.06.2026 and provisionally approved.

➤ ***May please be deliberated.***

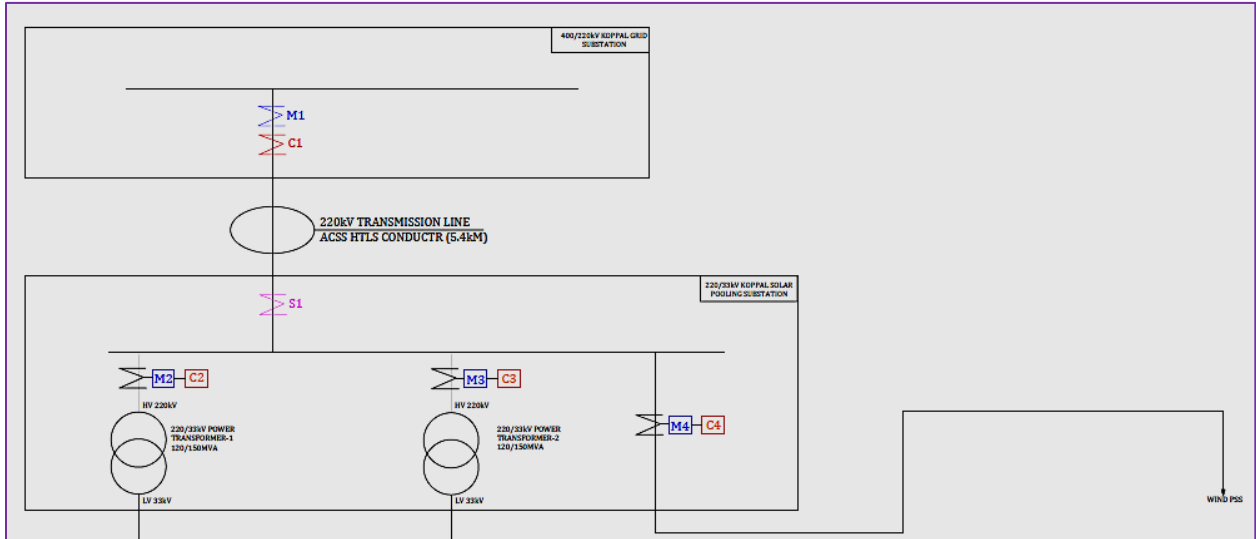
8.8 M/s. Serentica Renewables India 7 Private Limited (SRI7PL) at Koppal, Karnataka:

Agenda:

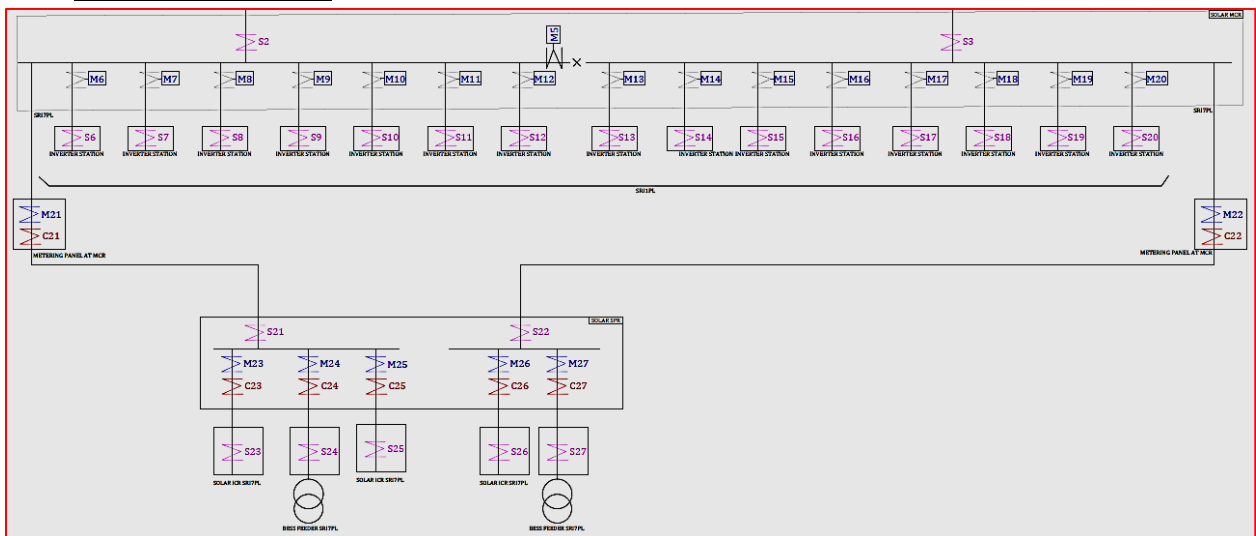
- a) M/s. Serentica Renewables India Private Limited (SRIPL), vide e-mail dated 18.06.2026(**Annexure-8h**), has submitted the revised metering scheme of the existing project, Serentica Renewables India 1 Private Limited (SRI1PL) (Phase-I), consequent to the addition of Serentica Renewables India 7 Private Limited (SRI7PL) as Phase-II of the project connecting at Koppal Narendra Transmission Limited(KNTL) SS, Karnataka.
- b) The metering scheme of Serentica Renewables India 1 Private Limited (SRI1PL) (Phase-I), which is of installed capacity of 399.8MW(Solar-195.8MW,Wind-204MW) was deliberated in **57th CCM** and approved vide Minutes dated 22.11.2023. Subsequently, Serentica Renewables India 7 Private Limited (SRI7PL),which is of installed capacity of 204MW(Solar-73MW,Wind-106MW & BESS-25MW/50MWhr) is proposed to be integrated as Phase-II of the project, necessitating the revision of the approved metering scheme.

- c) The connectivity at Koppal for M/s. Serentica Renewables India Private Limited (SRIPL) is 300MW.
- d) Also, currently Serentica Renewables India 1 Private Limited (SRI1PL) is aggregated under QCA M/s.Manikaran Analytics Limited(MAL) at Koppal.
- e) The sketch of proposed metering scheme is given below:

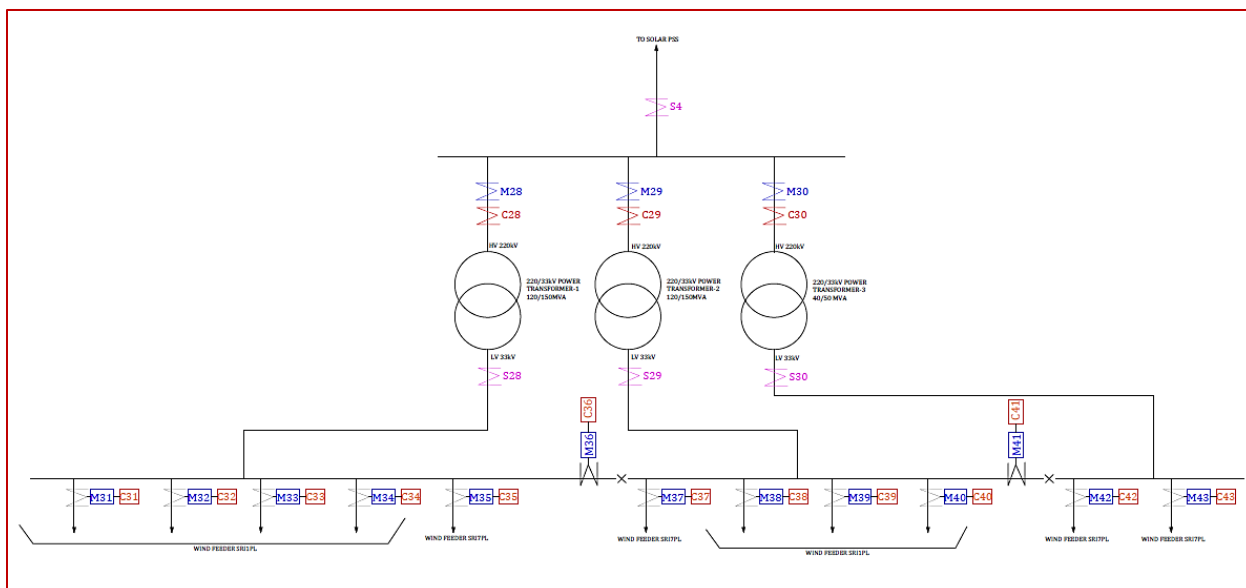
ISTS connectivity:



Solar connectivity:



Wind Connectivity:



- f) The accounting methodology shall remain unchanged as approved in the 57th CCM. The approved methodology is reproduced below for ready reference.

Meter details:

SEMs to be used	
Main meter	SEM (M1) at 220kV Bus of 400/220kV Koppal,ISTS SS.
Check meter	SEM (C1) at 220kV Bus of 400/220kV Koppal,ISTS SS.
Standby meter	SEM (S1) at 220kV Bus at 220KV Bus of 220/33KV Koppal Solar Pooling Station of SRIPL.

Accounting Methodology:

SEMs to be Used	
Active Energy	SEM at 220kV Bus of 400/220kV Koppal,ISTS SS.
Reactive Energy	SEM at 220kV Bus of 400/220kV Koppal,ISTS SS.

- g) The revised metering scheme was deliberated during the special meetings held on 14.05.2026 and 17.06.2026, with participation from M/s. Serentica Renewables India Private Limited (SRIPL), SRLDC, and SRPC. Pursuant to these discussions, M/s. Serentica Renewables India Private Limited (SRIPL) conveyed its decision to adopt a single DSM and Reactive Energy accounting arrangement for both Serentica Renewables India 1 Private Limited (SRI1PL) and Serentica Renewables India 7 Private Limited (SRI7PL), instead of maintaining separate DSM and Reactive Energy accounting for each SPV.
- h) **Single DSM & Reactive energy accounting** will be undertaken for both Serentica Renewables India 1 Private Limited(SRI1PL) & Serentica Renewables India 7 Private Limited(SRI7PL) in the name of **M/s. Serentica Renewables India 1 Private Limited(SRI1PL)**, which will be classified under **Solar/Hybrid** Category.
- i) M/s. Serentica Renewables India Private Limited (SRIPL) shall install SEMs (Main, Check, and Standby Meters), as discussed, to facilitate source-wise segregation of power. The

metering arrangement shall conform to the Joint Committee (JC) Technical Specifications approved by NPC, and the meter data shall be compatible with the RLDC format.

- j) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:

“Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.

- k) The metering scheme is subject to variation based on Regulatory Requirements.

- l) The scheme was discussed during the meetings held on 14.05.2026 & 17.06.2026 and provisionally approved.

➤ *May please be deliberated.*

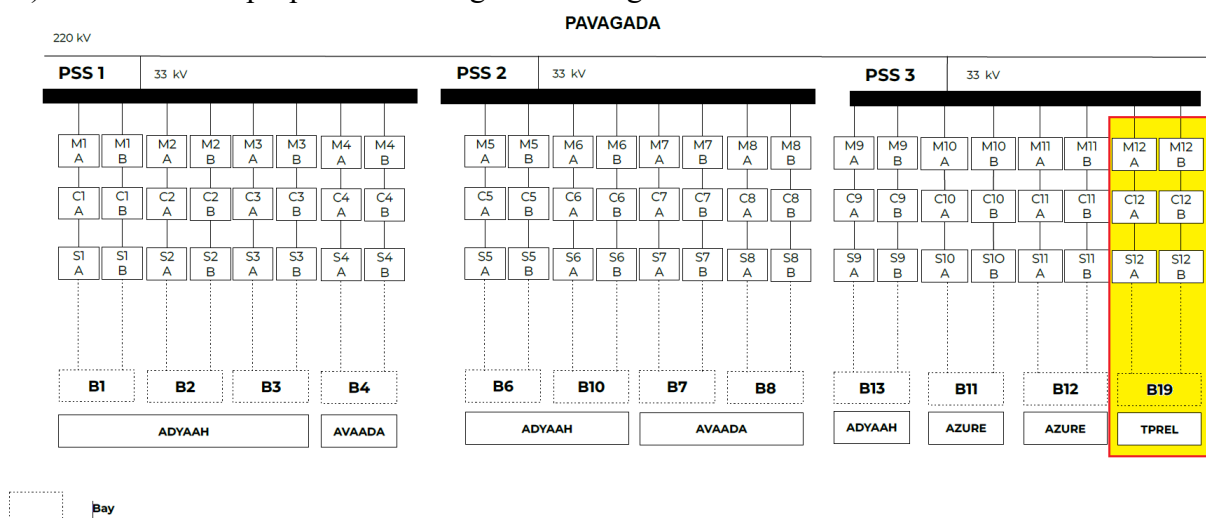
8.9 M/s. Reconnect Energy Solutions Limited (RESL), QCA at Pavagada, Andhra Pradesh:

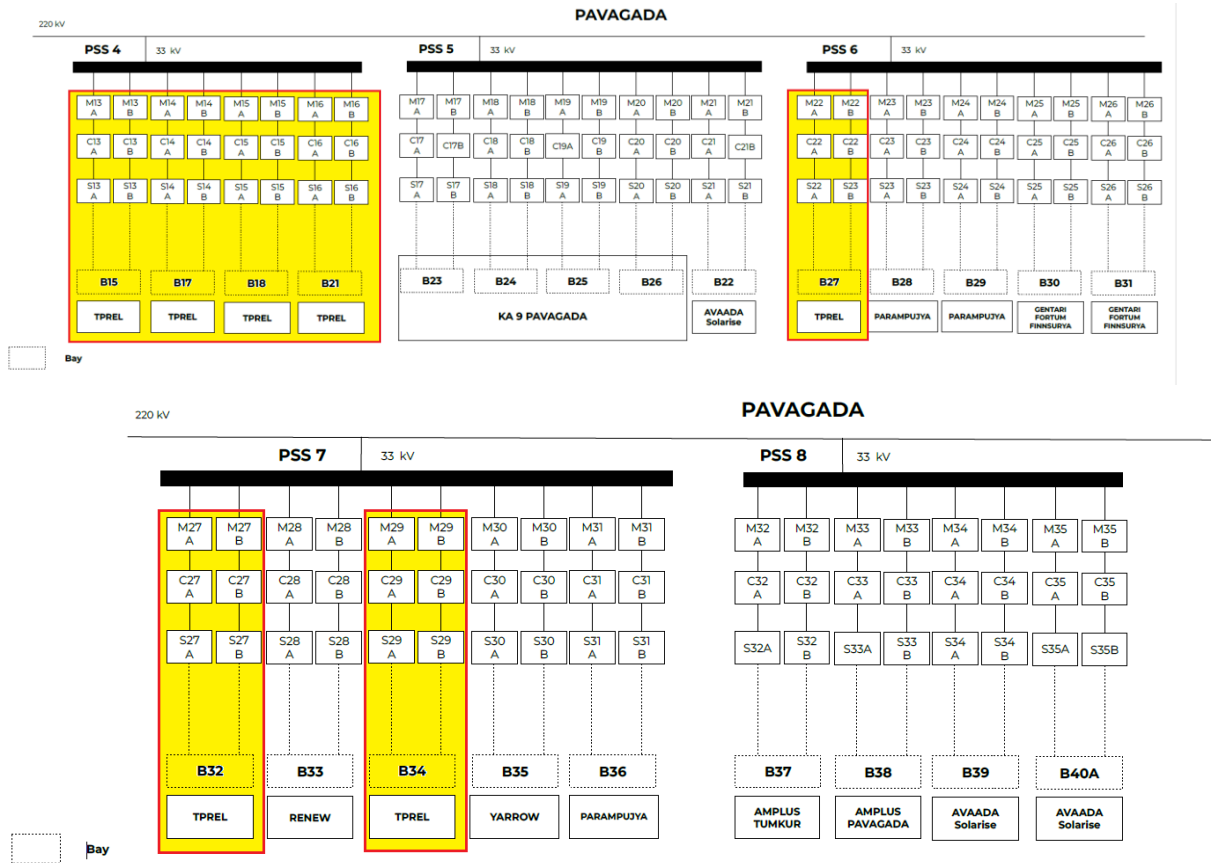
Agenda:

- a) M/s. Reconnect Energy Solutions Limited (RESL), QCA has submitted revised metering scheme for approval vide mail dated 15.05.2026(**Annexure-8i**), for the addition of 400MW Solar Capacity pertaining to Tata Power Renewable Energy Limited, Pavagada making the cumulative capacity of QCA to 1750MW.
- b) M/s RE Connect Energy Solutions Limited is aggregating the following generators at Pavagada Pooling Station.

Generator Name	Capacity	Substation(s)	Block Numbers	Meters
Yarrow Infrastructure Private Limited	50	7	35	M30A+M30B
PARAMPUJYA Solar Energy Private Limited	150	6,7	28,29,36	M23A+M23B+M24A+M24B+M31A+M31B
Adani Solar Energy KA Nine Private Limited	200	5	23,24,25,26	M17A+M17B+M18A+M18B+M19A+M19B+M20A+M20B
AVAADA Solar Energy Private Limited	150	1,2	4,7,8	M4A+M4B+M7A+M7B+M8A+M8B
Adyah Solar Energy Private Limited	300	1,2,3	1,2,3,6,10,13	M1A+M1B+M2A+M2B+M3A+M3B+M5A+M5B+M6A+M6B+M9A+M9B
AMPLUS Tumkur Solar Energy One Private Limited	50	8	37	M32A+M32B
AMPLUS Pavagada Solar Energy two Private Limited	50	8	38	M33A+M33B
Avaada Solarise Energy Private Limited	150	5,8	22,39,40A	M21A+M21B+M34A+M34B+M35A+M35B
ReNew Wind Energy TN2 Private Limited	50	7	33	M28A+M28B
Azure Power Earth Private Limited	100	3	11,12	M10A+M10B+M11A+M11B
Gentari Renewables Finnsurya Energy Private Limited(<i>Fortum Finnsurya Energy Pvt.Ltd .</i>)	100	6	30,31	M25A+M25B+M26A+M26B
Tata Power Renewable Energy Limited	400	3,4,6,7	19,15,17,18,21,27,32,34	M12A+M12B+M13A+M13B+M14A+M14B+M15A+M15B+M16A+M16B+M22A+M22B+M27A+M27B+M29A+M29B

c) The sketch of proposed metering scheme is given below:





d) The following will be used for metering and accounting of RESL:

- Active Energy of RESL_QCA** =
 Yarrow_Active + Parampujya_Active + Adani solar KA 9_Active + Avaada Solar_Active +
 Adyah Solar_Active + Amplus Tumkur Solar_Active + Amplus Pavagada_Active + Avaada
 Solarise_Active + ReNew Wind_Active + Azure Power Earth_Active+ Gentari Renewable
 Finnsurya_Active+ **Tata Power_Active**
- Reactive Energy of RESL_QCA** =
 Yarrow_Reactive + Parampujya_Reactive + Adani solar KA 9_Reactive + Avaada
 Solar_Reactive + Adyah Solar_Reactive + Amplus Tumkur Solar_Reactive + Amplus
 Pavagada_Reactive + Avaada Solarise_Reactive + ReNew Wind_Reactive + Azure Power
 Earth_Reactive+ Gentari Renewable Finnsurya_Reactive+ **Tata Power_Reactive**

e) The following meters will be the part of the metering scheme.

Meter details:

SEMs to be used	
Main meter	SEMs(M1A,M1B,M2A,M2B,M3A,M3B,M4A,M4B,M5A,M5B,M6A,M6B,M7A,M7B,M8A,M8B,M9A,M9B,M10A,M10B,M11A,M11B,M12A,M12B,M13A,M13B,M14A,M14B,M15A,M15B,M16A,M16B,M17A,M17B,M18A,M18B,M19A,M19B,M20A,M20B,M21A,M21B,M22A,M22B,M23A,M23B,M24A,M24B,M25A,M25B,M26A,M26B,M27A,M27B,M28A,M28

	B,M29A,M29B,M30A,M30B,M31A,M31B,M32A,M32B,M33A,M33B,M34A,M34B,M35A and M35B) at 220kV Bus at 400/220kV Pavagada SS
Check meter	SECs(C1A,C1B,C2A,C2B,C3A,C3B,C4A,C4B,C5A,C5B,C6A,C6B,C7A,C7B,C8A,C8B,C9A,C9B,C10A,C10B,C11A,C11B,C12A,C12B,C13A,C13B,C14A,C14B,C15A,C15B,C16A,C16B,C17A,C17B,C18A,C18B,C19A,C19B,C20A,C20B,C21A,C21B,C22A,C22B,C23A,C23B,C24A,C24B,C25A,C25B,C26A,C26B,C27A,C27B,C28A,C28B,C29A,C29B,C30A,C30B,C31A,C31B,C32A,C32B,C33A,C33B,C34A,C34B,C35A and C35B) at 220kV Bus at 400/220kV Pavagada SS
Standby Meter	SESs(S1A,S1B,S2A,S2B,S3A,S3B,S4A,S4B,S5A,S5B,S6A,S6B,S7A,S7B,S8A,S8B,S9A,S9B,S10A,S10B,S11A,S11B,S12A,S12B,S13A,S13B,S14A,S14B,S15A,S15B,S16A,S16B,S17A,S17B,S18A,S18B,S19A,S19B,S20A,S20B,S21A,S21B,S22A,S22B,S23A,S23B,S24A,S24B,S25A,S25B,S26A,S26B,S27A,S27B,S28A,S28B,S29A,S29B,S30A,S30B,S31A,S31B,S32A,S32B,S33A,S33B,S34A,S34B,S35A and S35B) at 220kV Bus at RE SS ends

Accounting Methodology:

SEMs to be Used	
Active Energy	SEMs at 220kV Bus at 400/220kV Pavagada SS
Reactive Energy	SEMs at 220kV Bus at 400/220kV Pavagada SS

- f) QCA will be treated as a **Solar** Category seller since all entities connected under QCA are solar generators.
- g) Injection / drawal consideration would be the net QCA schedules; and not on individual generator schedules.
- h) It may be noted that single DSM and reactive energy account would be published in the name of QCA, however details would be made available as part of data files.
- i) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:

“Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.
- j) The metering scheme is subject to variation based on Regulatory Requirements.
- k) The scheme was discussed during the meeting held on 11.06.2026 and provisionally approved.

➤ ***May please be deliberated.***

8.10 M/s. Manikaran Analytics Limited (MAL), QCA at Koppal:

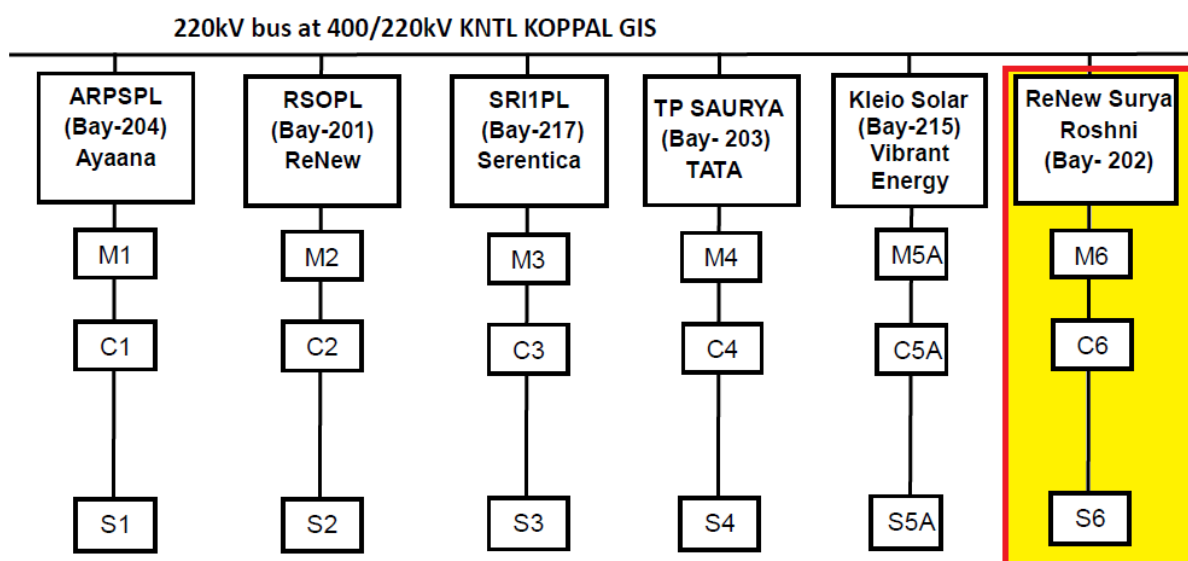
Agenda:

- a) M/s. Manikaran Analytics Limited (MAL), QCA at Koppal, submitted a revised metering scheme for approval vide e-mail dated 24.06.2026(**Annexure-8j**), consequent to the addition of 300 MW Wind Capacity pertaining to M/s. ReNew Surya Roshni Pvt. Ltd., Koppal. With this addition, the cumulative capacity under the QCA is proposed to increase from 1277.06 MW to **1577.06 MW**.

- b) M/s. Manikaran Analytics Limited (MAL) is aggregating the following generating stations connected to the 400/220 KV KNTL Koppal ISTS Pooling Station, located in Karnataka.

Generator Name	Operational Capacity	Meters
Ayana Renewable Power Six Private Limited(ARPSPL)	285	M1
Renew Surya Ojas Private Limited(RSOPL)	300	M2
Serentica Renewable India 1 Private Limited(SRI1PL)	300	M3
TP Saurya Limited,Karur(TPSL)(Solar)	238.46	M4
Kleio Solar Power Private Limited(Solar)	153.6	M5A
ReNew Surya Roshni Pvt. Ltd.	300	M6

- c) The proposed metering arrangement is as given below.



Note: Bay-215 is shared by two entities. One is the Kleio Solar Vibrant Energy entity, while the other entity is yet to be commissioned.

- d) The following will be used for metering and accounting of MAL_Koppal_QCA:

- Active Energy of MAL_Koppal_QCA** =
 ARPSPL _Active + RSOPL _Active + SRI1PL _Active + TPSL_Active + Kleio Solar _Active+ **RSRPL _Active**
- Reactive Energy of MAL_Koppal_QCA** =
 ARPSPL _Reactive + RSOPL _Reactive + SRI1PL _Reactive + TPSL_Reactive + Kleio Solar _Reactive+ **RSRPL _Reactive**

- e) The following meters will be the part of the metering scheme.

Meter details:

SEMs to be used	
Main meter	SEMs (M1, M2, M3, M4, M5A and M6) at 220kV Bus at 400/220kV Koppal GIS
Check meter	SEMs (C1, C2, C3, C4, C5A and C6) at 220kV Bus at 400/220kV Koppal GIS
Standby Meter	SEMs (S1, S2, S3, S4, S5A and S6) at 220kV Bus at RE SS ends

Accounting Methodology:

SEMs to be Used	
Active Energy	SEMs at 220kV Bus at 400/220kV Koppal GIS
Reactive Energy	SEMs at 220kV Bus at 400/220kV Koppal GIS

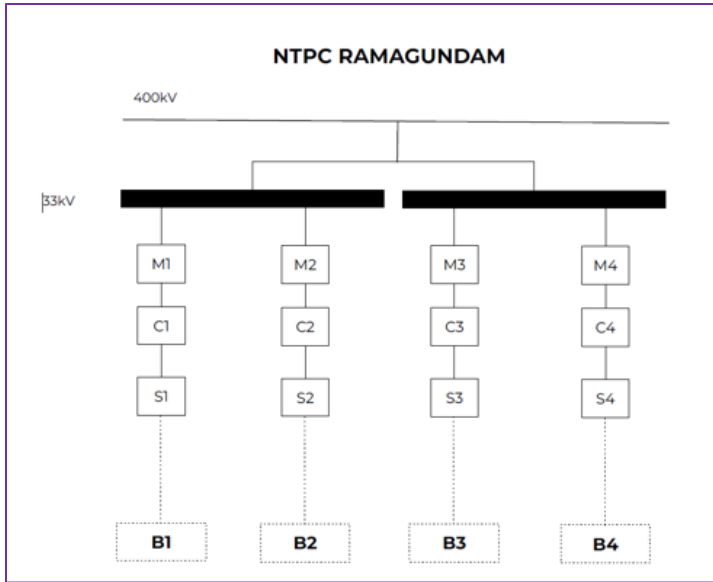
- f) QCA will be treated as a **Solar/Hybrid** Category seller since all entities connected under QCA comprises of both solar & wind generators.
- g) Injection / drawal consideration would be the net QCA schedules; and not on individual generator schedules.
- h) It may be noted that single DSM and reactive energy accounting would be published in the name of QCA, however details would be made available as part of data files.
- i) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:
- “Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.*
- j) The metering scheme is subject to variation based on Regulatory Requirements.
- k) The scheme was discussed during the meeting held on 03.07.2026 and provisionally approved.

➤ ***May please be deliberated.***

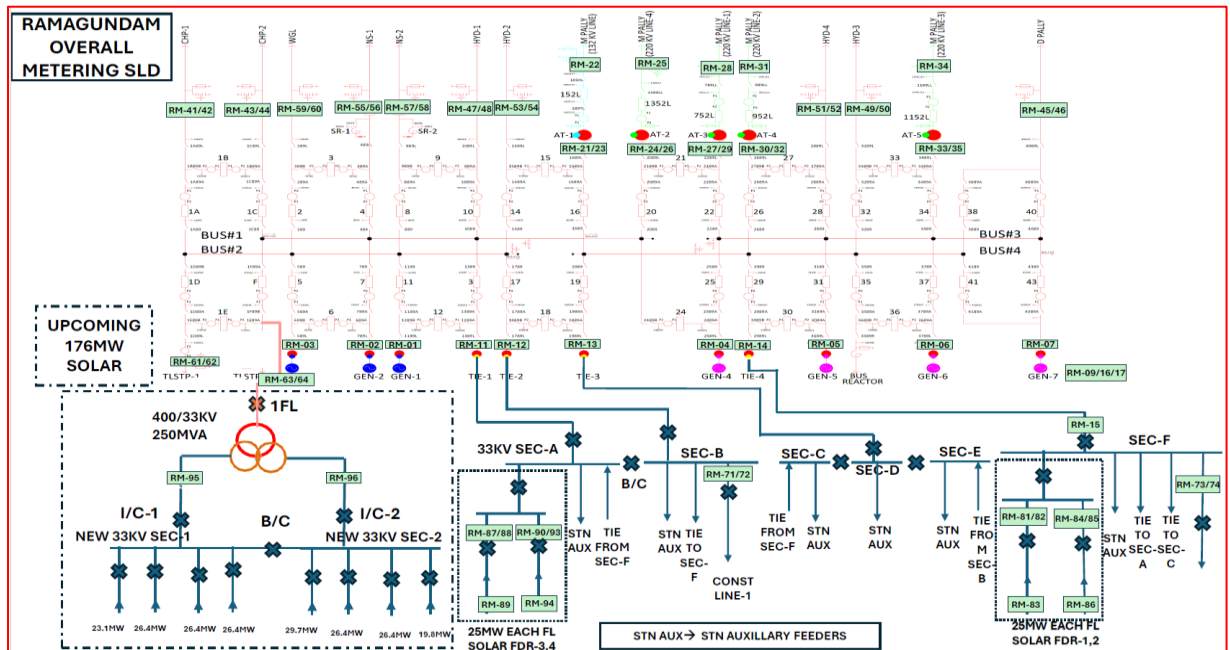
8.11 M/s.REConnect Energy Solutions Limited (RESL), QCA at Ramagundam, Telangana:

Agenda:

- a) M/s. REConnect Energy Solutions Limited (RESL), vide e-mail dated 30.06.2026(**Annexure-8k**), informed that it has been appointed as the QCA by M/s.NTPC Ltd. for the 100 MW Floating Solar Plant at NTPC Ramagundam. Consequently, the cumulative capacity under the QCA stands at 100 MW, which is connected to and being aggregated at the 400 kV Switchyard of NTPC Ramagundam, Telangana.
- b) The proposed metering scheme submitted by M/s. REConnect Energy Solutions Limited (RESL) is as given below.



- c) The accounting methodology and the list of meters for the entire NTPC Ramagundam Station were discussed and approved in 66th CCM held on 08.05.2026. Minutes issued vide dated 22.05.2026. The approved details are reproduced below:



Note: Sign Convention to be taken accordingly

Total of Outgoing Feeders, excluding 176 MW Solar injection feeder:

$$T = [(RM-41) + (RM-43) + (RM-55) + (RM-57) + (RM-47) + (RM-53) + (RM-59) + (RM-49) + (RM-51) + (RM-45) + (RM-21) + (RM-24) + (RM-27) + (RM-30) + (RM-33) + (RM-75)]$$

Generator summation for Stage-I & II:

$$G1 = RM-01 + RM-02 + RM-03 + RM-04 + RM-05 + RM-06 - (RM-11) - (RM-12) - (RM-13) + (RM-71) - [(RM-81) + (RM-84)]$$

Generator Sum for Stage-III:

$$G2 = (RM-07) - (RM-14) + (RM-73) - [(RM-90) + (RM-87)]$$

Ramagundam STPS 100MW FSP Injection:

$$G3 = (RM-87+RM-90+RM-81+RM-84)$$

Ramagundam 176 MW injection:

$$G4 = RM-63$$

$$\text{Losses, } L = T - [G1+G2+G3+G4]$$

$$\text{Loss for Stage-I \& II, } L_{stg12} = L * \frac{|G1|}{|G1|+|G2|+|G3|+|G4|}$$

$$\text{Loss for Stage-I \& II, } L_{stg3} = L * \frac{|G2|}{|G1|+|G2|+|G3|+|G4|}$$

$$\text{Loss for FSP, 100 MW solar, } L_{fsp} = L * \frac{|G3|}{|G1|+|G2|+|G3|+|G4|}$$

$$\text{Loss for, 176 MW solar, } L_{176} = L * \frac{|G4|}{|G1|+|G2|+|G3|+|G4|}$$

$$\text{Net ex-bus injection of RSTPS Stage- I \& II} = G1 + L_{stg12}$$

$$\text{Net ex-bus injection of RSTPS Stage- III} = G2 + L_{stg12}$$

$$\text{Net ex-bus injection of RSTPS FSP, 100 MW} = G3 + L_{fsp}$$

$$\text{Net ex-bus injection of RSTPS FSP, 176 MW} = G4 + L_{176}$$

- d) Accordingly, as per the above accounting methodology, the Net Ex-Bus Injection of the 100 MW RSTPS Floating Solar Plant (FSP) has been computed, and the same shall be considered for M/s REConnect Energy Solutions Limited, QCA at Ramagundam.
- e) The following will be used for metering and accounting of REConnect Ramagundam QCA:
 - *Active Energy of REConnect_Ramagundam_QCA = NTPC Ramagundam 100 MW FSP _Active*
 - *Reactive energy corresponding to the 100 MW FSP shall be issued under the thermal generating station of NTPC Ramagundam (Stages I, II & III).*
- f) QCA will be treated as a Solar Category seller since the entity connected under QCA is a solar generator. Injection / drawal consideration would be the net QCA schedules; and not on individual generator schedules.
- g) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6), which is reproduced below:

“Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.
- h) It may kindly note that single DSM account will be undertaken in the name of QCA, however details would be made available as part of data files.
- i) It was informed by NTPC that upon scheduling of 100 MW under the Flexibility Scheme, the same would be intimated to SRPC and SRLDC, and it would no longer remain under the control of the QCA.
- j) The metering scheme is subject to variation based on Regulatory Requirements.
- k) The scheme was discussed during the meeting held on 03.07.2026 and provisionally approved.

➤ *May please be deliberated.*

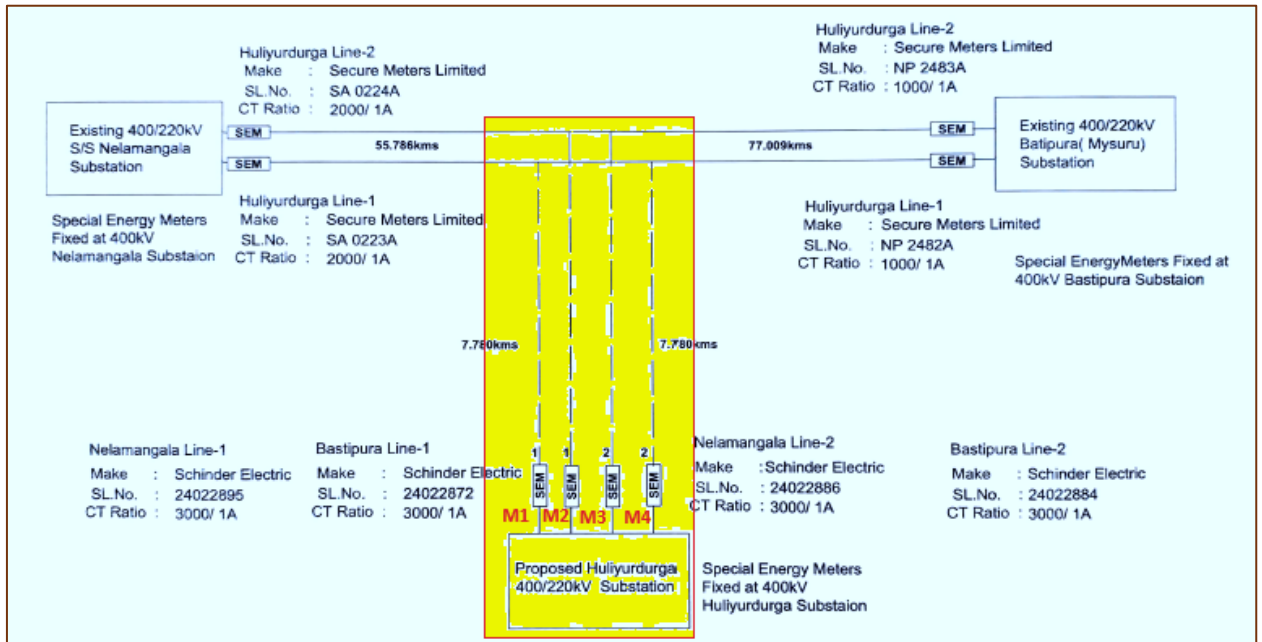
8.12 400/220/66KV Huliurudurga (NEW) Sub Station by LILoing the existing 400KV Nelamangala – Basthipura (Mysore) DC TWIN Moose line:

Agenda:

- KPTCL vide e-mail dated 22.07.2026(**Annexure-8I**) submitted a metering scheme for approval, stating that, the work of establishing 2x500MVA and 2X100MVA, 400/220/66KV Sub Station at Huliurudurga Kunigal Taluk, Tumakuru District along with construction of associated 400kV, 220kV and 66kV lines have been completed and the substation is proposed to be commissioned on or before 27.07.2026.
- It is also intimated that, proposed 400kV Huliurudurga sub station will be commissioned by LILoing the existing 400KV Nelamangala – Basthipura (Mysore) DC TWIN Moose line which has a special energy meters at 400KV Nelamangala S/s and 400KV Basthipura (Mysore) S/s respectively.
- Now, the proposed 400/220/66KV Huliurudurga sub station will be commissioned by LILoing the existing 400KV Nelamangala – Basthipura (Mysore) DC TWIN Moose line.
- The block diagram of 400KV Nelamangala to Bastipura(Mysuru) Line before construction of 400/220KV Huliurudurga Substation is as given below.

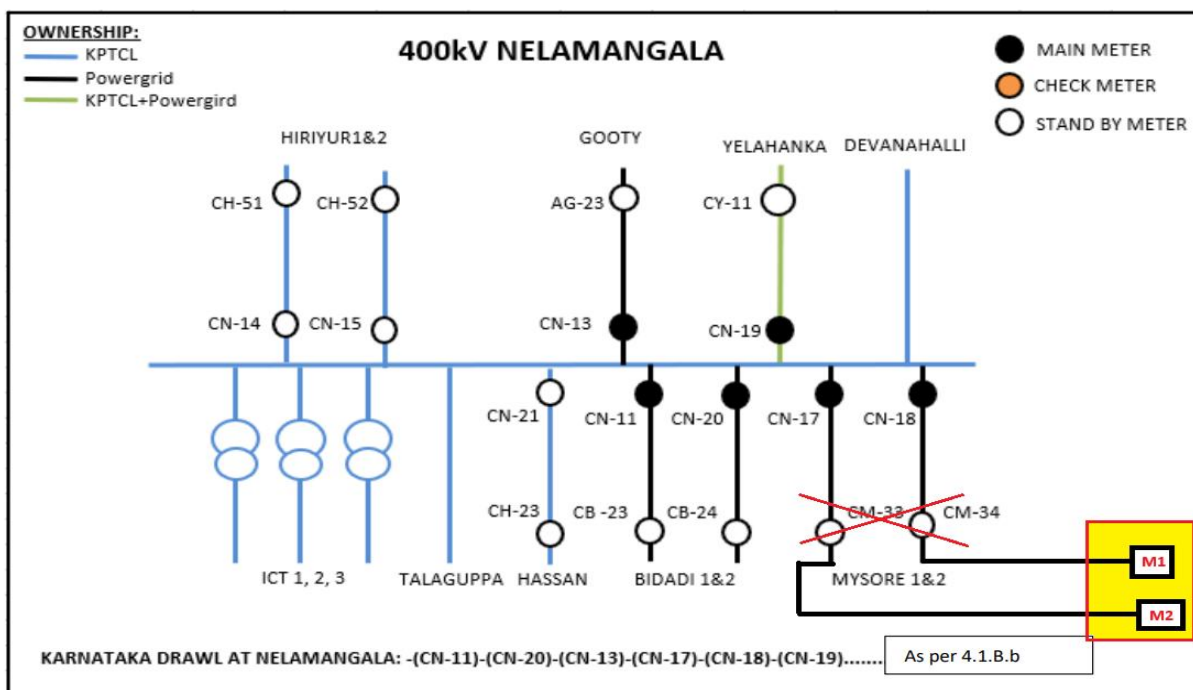


The block diagram of 400KV Nelamangala to Bastipura(Mysuru) Line after construction of 400/220KV Huliurudurga Substation is as given below.



- Currently, at 400/220KV Nelamangala Substation, pertaining to the Mysore (Basthipura) 1 & 2 lines, as of now, CN-17 & CN-18 are considered as main meters with CM-33 &

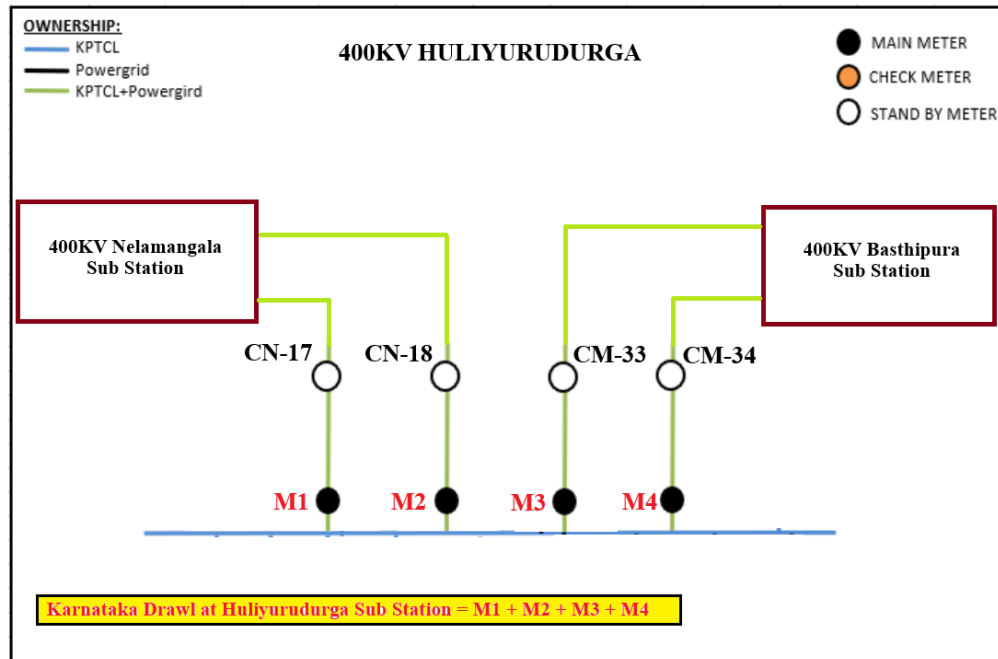
CM-34 as standby meters. Now with this rearrangement, the existing 400kV Nelamangala – Basthipura (Mysore) DC TWIN Moose line, **meters M1 & M2 (as shown in above block diagram) will be considered as standby meters instead of CM-33 & CM-34.**



- f) As decided in the 37th Commercial Sub-Committee Meeting held on 16.03.2018, under **"Amendment to the Methodology of Determination of Nodal and Touch Points for Drawal Computation"**, Item 10(I)(1) stipulates the following:

"All the substations within the jurisdiction of the control area where ISTS, non-ISTS lines certified by RPC, inter-State lines owned by States, or lines partly owned by the State and CTU are terminating shall be considered as nodal points."

- g) In accordance with the above provisions, the 400 kV Huliurudurga Substation qualifies to be treated as a nodal point, as all four transmission lines terminating at the substation are partly owned by the State and CTU. Accordingly, the meters designated as M1, M2, M3, and M4, as depicted in the diagram below, shall be utilized for computation of State drawal and are hereby approved.



- h) The metering scheme is subject to variation based on Regulatory Requirements.
- i) The scheme was provisionally approved on 23.07.2026.

➤ **May please be deliberated.**

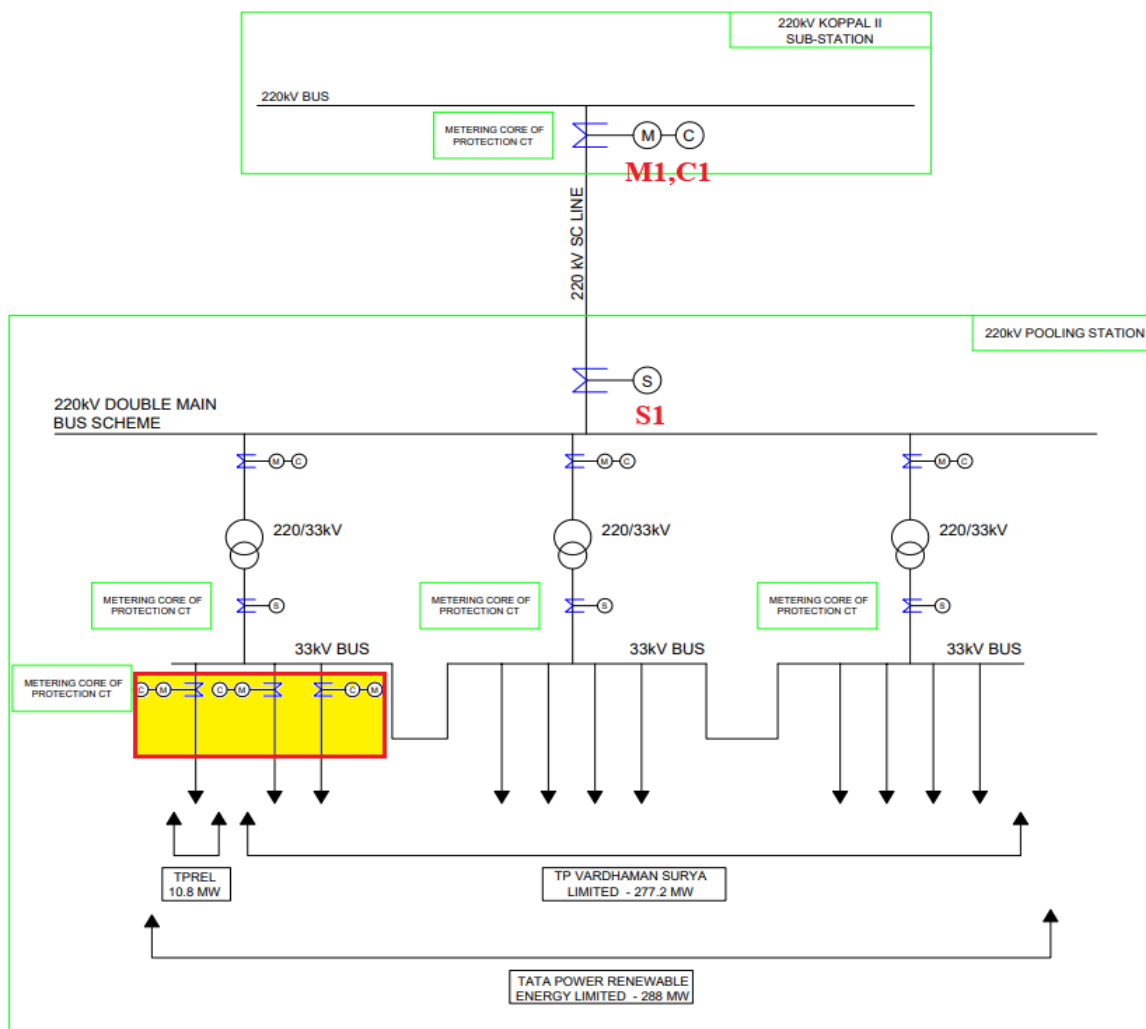
MODIFICATION OF APPROVED METERING SCHEME

8.13M/s TP Vardhaman Surya (TPREL) Ltd. at Mudhol,Karnataka:

Agenda:

- a) The metering scheme of M/s. TP Vardhaman Surya (TPREL) Ltd. for its 288 MW Wind Power Project was approved in the **62nd CCM held on 07.03.2025**, and the approval was communicated vide the minutes issued on 18.03.2025.
- b) TPREL (TP Vardhaman Surya) have developed 288 MW Wind Project in the Mudhol Taluk of Karnataka. In principle grant of connectivity has been obtained from CTUIL vide letter dated 30.11.2023.
- c) The following was also recorded in the minutes of the 62nd CCM,

“TP Vardhaman Surya communicated updated the project configuration, mentioning that out of 288MW of IC, 277.2 MW corresponds to TP Vardhaman Surya and 10.8MW corresponds to TPREL, which was not figured in the metering scheme approved in the 60th CCM. As per confirmation received from the entity single accounting would be carried out for both entities. Accordingly, the metering scheme approved in the CCM-60 would suffice.”
- d) Subsequently, M/s. TP Vardhaman Surya (TPREL) Ltd., vide e-mail dated 30.04.2026 (**Annexure-8m**), informed that they propose to install meters on all three 33 kV feeders of the transformer to which the 10.8 MW capacity of TPREL is connected. This arrangement would enable segregation of power corresponding to the 277.2 MW capacity of TP Vardhaman Surya and the 10.8 MW capacity of TPREL. The revised metering scheme is shown below.



- e) The accounting methodology shall remain unchanged as approved in the 62nd CCM. The approved methodology is reproduced below for ready reference.

Meter details:

SEMs to be used	
Main meter	SEM M1 at 220kV Bus at 220kV Koppal II SS
Check meter	SEM C1 at 220kV Bus at 220kV Koppal II SS
Standby meter	SEM S1 at 220kV PS of TP Vardhaman Surya and TPREL

Accounting Methodology:

SEMs to be Used	
Active Energy	SEMs at 220kV Bus at 220kV Koppal II SS
Reactive Energy	SEMs at 220kV Bus at 220kV Koppal II SS

- f) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:

“Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.

g) The metering scheme is subject to variation based on Regulatory Requirements.

➤ **May please be deliberated.**

8.14 **M/s Project Nine Renewable Power Pvt. Ltd. & M/s Ayana Renewable Power Four Pvt. Ltd. at Kurnool, Andhra Pradesh:**

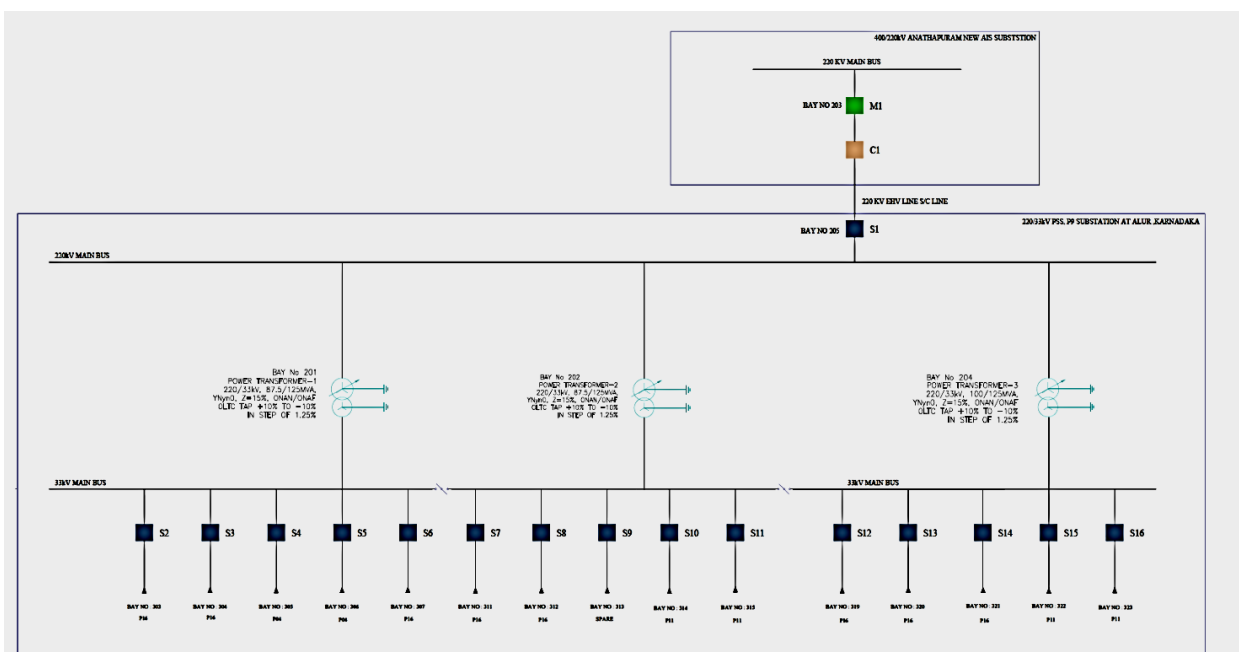
Agenda:

a) The metering scheme of M/s Project Nine Renewable Power Pvt. Ltd., a 295 MW Wind Project and M/s Ayana Renewable Power Four Pvt. Ltd., a 50 MW Wind Project at Kurnool, Andhra Pradesh, which were proposed to be connected to the Bay No. 203 at Ananthapuram PS was deliberated in the 64th CCM held on 26.09.2025 and approved vide minutes dated 27.10.2025.

b) M/s Ayana Power, vide e-mail dated 05.05.2026, informed the following:

“The approved metering scheme includes P9 and P4. However, connectivity exists under P9, while the Power Purchase Agreements (PPAs) have been executed under P11 and P16 for P9 connectivity. Additionally, P4 has a separate PPA. The details of P11 and P16 are not reflected in the currently approved metering scheme.”

c) Accordingly, vide e-mail dated 05.05.2026 (**Annexure-8n**), submitted the revised metering scheme diagram as shown below, wherein P11 (Project 11) and P16 (Project 16) have been reflected in place of P9 (Project 9).



d) The accounting methodology shall remain unchanged as approved in the 64th CCM. The approved methodology is reproduced below for ready reference.

Meter details:

SEMs to be used	
Main meter	SEMs (M1) at 220kV Bus at Bay-203 of 400/220kV Ananthapuram New AIS SS.
Check meter	SEMs (C1) at 220kV Bus at Bay-203 of 400/220kV Ananthapuram New AIS SS.
Standby meter	SEM (S1) at 220kV Bus at Bay-205 of 220/33kV PSS, Project Nine Renewable Power Pvt. Ltd.

Accounting Methodology:

SEMs to be Used	
Active Energy	SEMs at 220kV Bus at 400/220kV Ananthapuram New AIS SS
Reactive Energy	SEMs at 220kV Bus at 400/220kV Ananthapuram New AIS SS

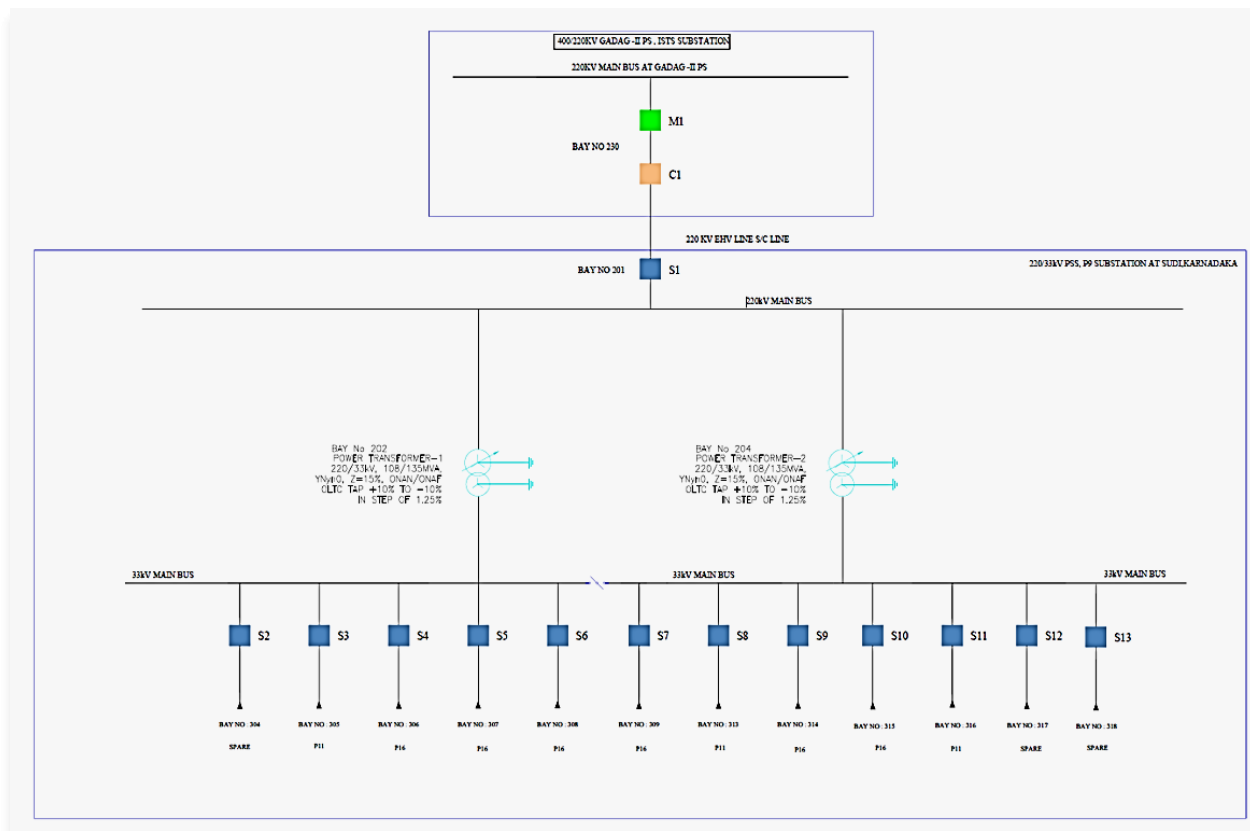
- e) SRLDC vide mail dated 25.05.2026 stated that the entity has to ensure the availability of meters at 33kV level for bifurcation of energy.
- f) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:
“Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.
- g) The metering scheme is subject to variation based on Regulatory Requirements.

➤ *May please be deliberated.*

8.15 M/s Project Nine Renewable Power Pvt. Ltd at Sudi, Karnataka:

Agenda:

- a) The metering scheme of Project Nine Renewable Power Pvt. Ltd at Karnataka, a 250 MW Wind Project at Sudi, Karnataka, which was proposed to be connected to the Bay No. 230 at 400/220KV Gadag-II PS, ISTS was deliberated in the 64th CCM held on 26.09.2025 and approved vide minutes dated 27.10.2025.
- b) M/s Ayana Power, vide e-mail dated 05.05.2026, informed the following:
“The metering scheme has been approved for P9. However, the PPAs have been signed under P11 and P16 for P9 connectivity, and their details are not included in the approved scheme.”
- c) Accordingly, vide e-mail dated 05.05.2026(**Annexure-8o**), submitted the revised metering scheme diagram as shown below, wherein P11 (Project 11) and P16 (Project 16) have been reflected in place of P9 (Project 9).



- d) The accounting methodology shall remain unchanged as approved in the 64th CCM. The approved methodology is reproduced below for ready reference.

Meter details:

SEMs to be used	
Main meter	SEMs (M1) at 220kV Bus at Bay-230 of 400/220kV Gadag-II PS,ISTSS.
Check meter	SEMs (C1) at 220kV Bus at Bay-230 of 400/220kV Gadag-II PS,ISTSS.
Standby meter	SEM (S1) at 220kV Bus at Bay-201 of 220/33KV P9 SS at Sudi,Karnataka.

Accounting Methodology:

SEMs to be Used	
Active Energy	SEMs at 220kV Bus at 400/220kV Gadag-II PS,ISTSS
Reactive Energy	SEMs at 220kV Bus at 400/220kV Gadag-II PS,ISTSS

- e) SRLDC vide mail dated 25.05.2026 stated that the entity has to ensure the availability of meters at 33kV level for bifurcation of energy.
- f) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:
- “Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.*
- g) The metering scheme is subject to variation based on Regulatory Requirements.

➤ *May please be deliberated.*

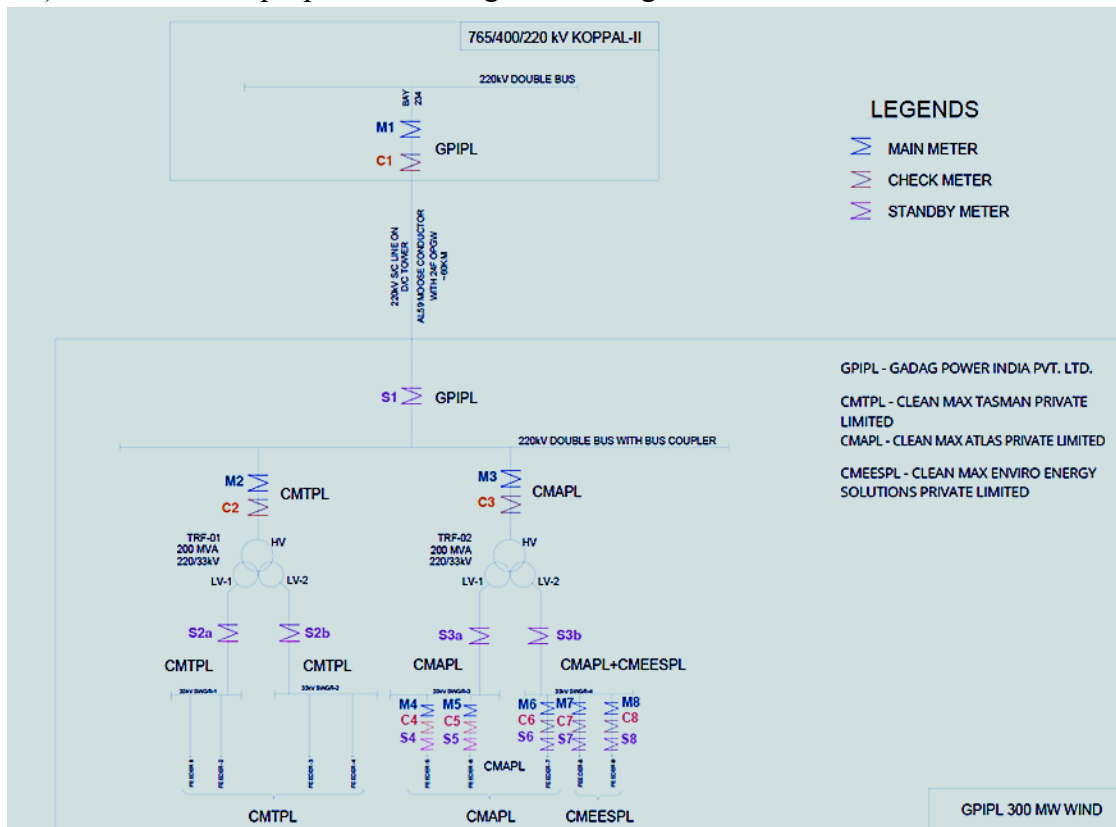
8.16 M/s. Gadag Power India Pvt. Ltd. (GPIPL) at Koppal, Karnataka:

Agenda:

- M/s. Gadag Power India Private Limited (GPIPL) is developing a Wind Power Park of 300MW capacity at Koppal District, Karnataka which is proposed to be connected to the Bay No. 234 at 765/400/220KV Koppal-II, ISTS SS. Final grant of connectivity has been obtained from CTUIL, vide letter dated 20.03.2025.
- The 300MW Wind Power Park is made up of 3Nos. SPV's as shown below,

Sl.No.	SPV Name	Rated Capacity	Feeder No.
1	CLEAN MAX TASMAN PRIVATE LIMITED (CMTPL)	140MW	1,2,3 & 4
2	CLEAN MAX ATLAS PRIVATE LIMITED (CMAPL)	100MW	5,6 & 7
3	CLEAN MAX ENVIRO ENERGY SOLUTIONS PRIVATE LIMITED (CMEESPL)	60MW	8 & 9

- The sketch of proposed metering scheme is given below:



- The metering scheme (**Annexure-8p**) was initially discussed during the meeting held on 10.04.2026 and was accorded provisional approval. Subsequently, the matter was deliberated in the 66th CCM held on 08.05.2026, and upon ratification, the metering scheme was approved in the Minutes of the 66th CCM issued vide SRPC letter dated 22.05.2026. The approved

metering scheme envisaged separate DSM and Reactive Energy accounting for the three SPVs, namely CMTPL, CMAPL, and CMEESPL.

- e) Subsequent to the 66th CCM, discussions were held between SRPC and M/s. Gadag Power India Private Limited (GPIPL) on 13.05.2026 regarding the requirement of multiple DSM accounts. Following these deliberations, M/s. Gadag Power India Private Limited (GPIPL), vide e-mail dated 27.05.2026, conveyed its decision to opt for a single DSM and Reactive Energy accounting arrangement for all three SPVs, namely CMTPL, CMAPL, and CMEESPL, in lieu of separate accounting for each SPV.
- f) **Single DSM & Reactive energy account** will be undertaken for all the 3Nos. SPV's namely CMTPL, CMAPL and CMEESPL in the name of **M/s. Gadag Power India Private Limited (GPIPL), which will be classified** under the **Wind** Category.
- g) The following meters will be the part of the metering scheme.

Meter details:

SEMs to be used	
Main meter	SEM (M1) at 220kV Bus at Bay-234 of 765/400/220kV Koppal-II, ISTS SS.
Check meter	SEM (C1) at 220kV Bus at Bay-234 of 765/400/220kV Koppal-II, ISTS SS.
Standby meter	SEM (S1) at 220kV Bus at 220KV Bus of GPIPL Pooling Station.

Accounting Methodology:

SEMs to be Used	
Active Energy	SEM at 220kV Bus at Bay-234 of 765/400/220kV Koppal-II, ISTS SS.
Reactive Energy	SEM at 220kV Bus at Bay-234 of 765/400/220kV Koppal-II, ISTS SS.

- h) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:

“Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.

- i) The metering scheme is subject to variation based on Regulatory Requirements.

➤ ***May please be deliberated.***

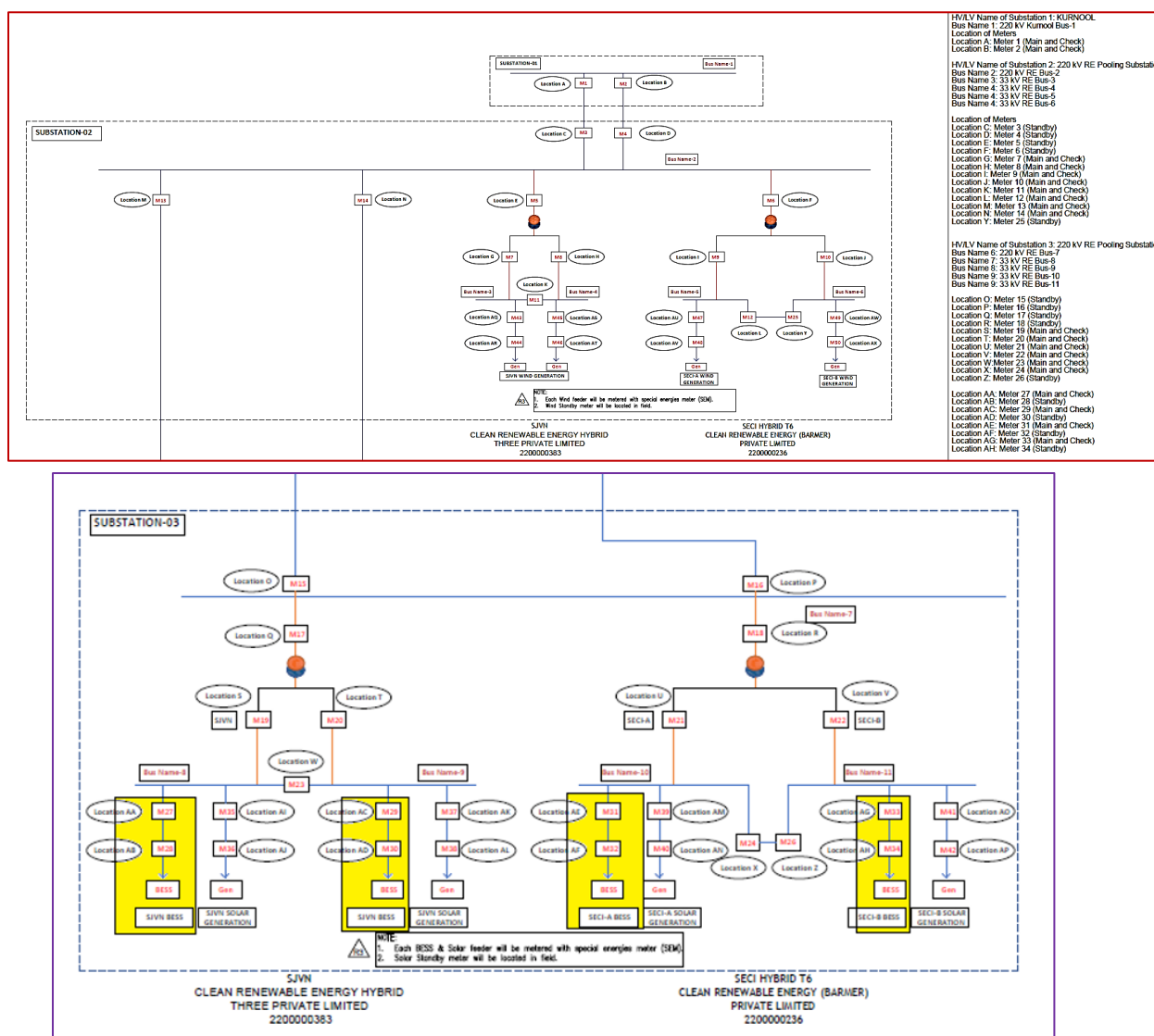
8.17 M/s. Hero Solar Energy Private Limited at Kurnool, Andhra Pradesh:

Agenda:

- a) M/s. Hero Solar Energy Private Limited vide mail dated 02.07.2026 (**Annexure-8q**), submitted the revised metering scheme of Hybrid Power Park of 540MW capacity at Kurnool, Andhra Pradesh which is proposed to be connected at Bay No.215 & Bay No.217 of 400/220KV Kurnool-III, ISTS SS. Final grant of connectivity has been obtained from CTUIL, vide letters dated 14.08.2024.
- b) The 540MW Hybrid Power Park is made up of 2Nos. SPV's as shown below.

Sl.No.	SPV Name	Connectivity Quantum	Contracted Quantum
1	SECI HYBRID T6 CLEAN RENEWABLE ENERGY (BARMER) PRIVATE LIMITED	270MW	120MW with SECI
2	SJVN CLEAN RENEWABLE ENERGY HYBRID THREE PRIVATE LIMITED	270MW	120MW with SJVN

c) The proposed metering arrangement is as given below:



d) The metering scheme was deliberated in the 60th & 63rd Meetings of Commercial Sub-Committee held on 23.08.2024 & 20.06.2025 respectively, and upon ratification, the metering scheme was approved in the Minutes of the 63rd CCM issued vide SRPC letter dated 11.07.2025.

- e) Subsequently, M/s. Hero Solar Energy Private Limited, vide email dated 02.07.2026, informed that a Battery Energy Storage System (BESS) component is proposed to be integrated under both SPVs. In this regard, Main, Check, and Standby meters are proposed to be provided on all BESS feeders. Accordingly, the entity has submitted a revised metering scheme for consideration and approval.
- f) The following meters will be the part of the metering scheme.

Meter details:

SEMs to be used	
Main & Check Meter	SEMs at Kurnool end of 220KV line between 400/220 KV Kurnool, ISTS SS and RE Pooling Station (Sub Station-2) i.e. at Loc. A-M1, Loc. B-M2.
Standby Meter	SEMs at RE Pooling Station (Sub Station-2) end of 220KV line between 400/220 KV Kurnool, ISTS SS and RE Pooling Station (Sub Station-2) i.e. at Loc. C (M3) & Loc.D(M4).

Accounting Methodology:

SEMs to be Used	
Active Energy	SEMs at 220KV Bus at 400/220 KV Kurnool,ISTSS
Reactive Energy	SEMs at 220KV Bus at 400/220 KV Kurnool,ISTSS

- g) **It may be noted that Single DSM & Reactive energy account** will be undertaken for both of the SPV's namely SECI Hybrid T6 Clean Renewable Energy (Barmer) Limited and SJVN Clean Renewable Energy Hybrid Three Private Limited in the name of **M/s. Hero Solar Energy Private Limited, which will be classified** under **Hybrid/Solar** Category.
- h) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:
- “Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.*
- i) As per the above-cited provision of the Regulations, it was requested that Main, Check, and Standby meters be installed to all generators & ESS to ensure uninterrupted actual data during contingencies. However, M/s Hero Solar Energy Private Limited expressed concerns regarding the installation of three meters due to the non-availability of spare CT cores and space constraints.
- j) Upon further analysis, M/s. Hero Solar Energy Private Limited informed that Main and Check meters could be installed for all solar and wind feeders. However, owing to the non-availability of spare CT cores, both meters would initially be connected to the same CT core until additional CT cores or CT become available.
- k) It was emphasized that, in the event of failure of a CT core or CT, source-wise segregation of actual data would not be possible. Accordingly, M/s. Hero Solar Energy Private Limited was requested to either connect the Main and Check meters through separate CT cores or install the Main meter at the 33 kV bus and the Standby meter at the generation point, thereby ensuring source-wise segregation of actual data even in the event of failure of any meter, CT core, or CT.

- l) M/s. Hero Solar Energy Private Limited agreed to install Main meters at the 33 kV bus level and Standby meters at the generation points for all Solar and Wind feeders within a period of six months. Until such time, Main and Check meters would be installed at the 33 kV bus level, with both meters connected through the same CT core. The above arrangement has been communicated by the entity vide e-mail dated 20.07.2026.
- m) The proposal of M/s. Hero Solar Energy Private Limited was concurred and advised the entity to ***complete the installation of Main meters at the 33 kV bus level and standby meters at the generation points within the stipulated period of six months.***
- n) SRLDC further informed that, in the event of any failure of a CT or CT core, the duration of the failure and the time of restoration shall be promptly intimated to SRLDC by M/s. Hero Solar Energy Private Limited. The same has been ensured by M/s. Hero Solar Energy Private Limited.
- o) The metering scheme is subject to variation based on Regulatory Requirements.
- p) The scheme was discussed during the meetings held on 09.07.2026 & 14.07.2026 and provisionally approved.

➤ ***May please be deliberated.***

8.18 M/s. Hero Solar Energy Private Limited at Bidar, Karnataka:

Agenda:

- a) M/s. Hero Solar Energy Private Limited vide mail dated 02.07.2026(**Annexure-8r**), submitted the revised metering scheme of Hybrid Power Park of 550MW capacity at Bidar, Karnataka which is proposed to be connected at Bay No.202 & Bay No.204 of 400/220kV Bidar,ISTSS. Final grant of connectivity has been obtained from CTUIL, vide letters dated 28.03.2025.
- b) The 550MW Hybrid Power Park is made up of 2Nos. SPV's as shown below.

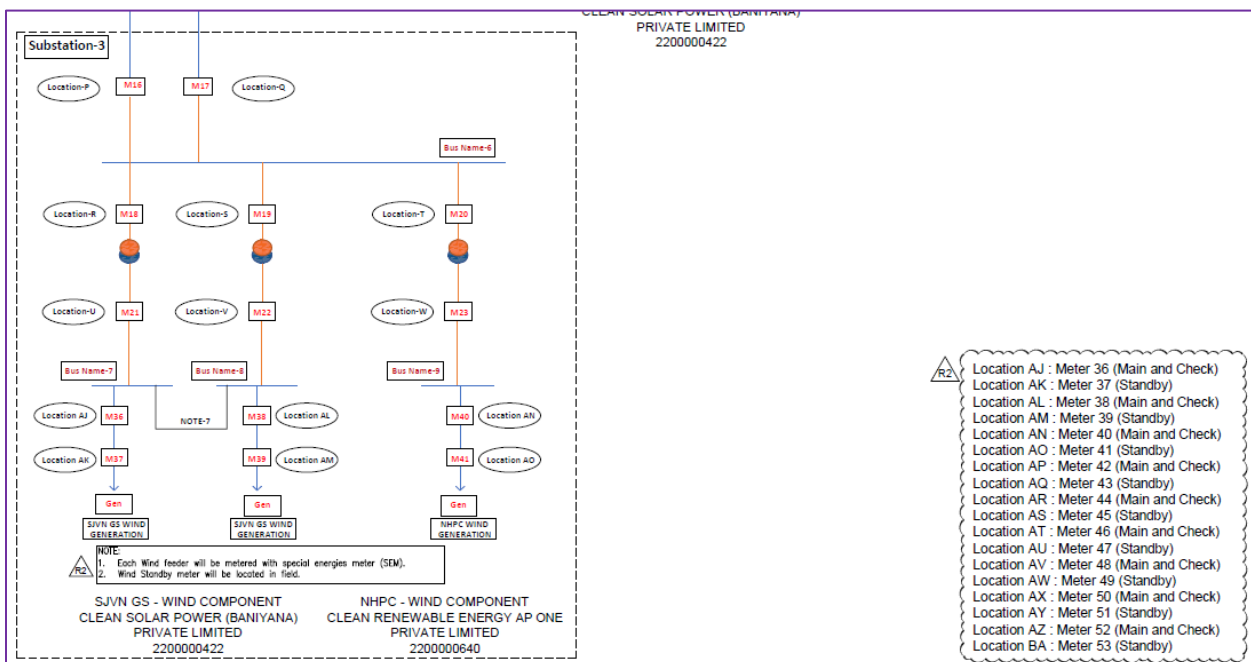
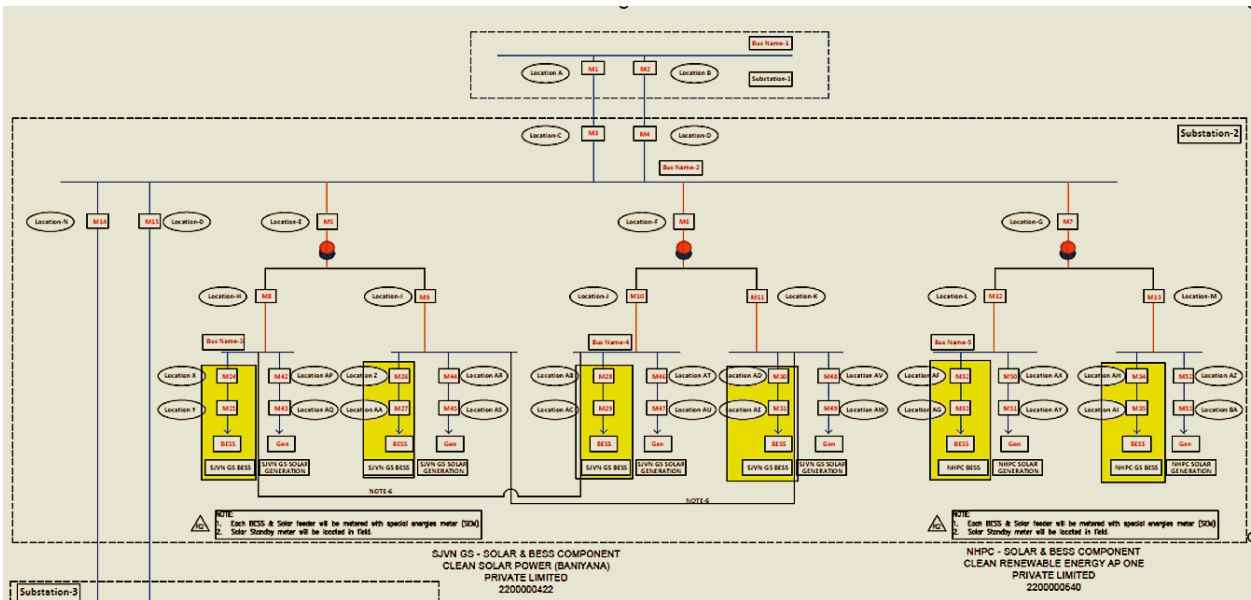
Sl.No.	SPV Name	Connectivity Quantum	Contracted Quantum
1	SJVN GS-CLEAN SOLAR POWER (BANIYANA) PRIVATE LIMITED	300MW	150MW with SJVN GS
2	NHPC-CLEAN RENEWABLE ENERGY AP ONE PRIVATE LIMITED	250MW	100MW with NHPC

- c) The proposed metering arrangement is as given below.

HV/LV Name of Substation 1: Bidar PS
 Bus Name 1: 220 KV Bidar Bus-1
 Location of Meters
 Location A: Meter 1 (Main and Check)
 Location B: Meter 2 (Main and Check)

HV/LV Name of Substation 2: 220 KV RE Pooling Substation
 Bus Name 2: 220 KV RE Bus-2
 Bus Name 3: 33 KV RE Bus-3
 Bus Name 4: 33 KV RE Bus-4
 Bus Name 5: 33 KV RE Bus-5
 Location of Meters
 Location C: Meter 3 (Standby)
 Location D: Meter 4 (Standby)
 Location E: Meter 5 (Main and Check)
 Location F: Meter 6 (Main and Check)
 Location G: Meter 7 (Main and Check)
 Location H: Meter 8 (Standby)
 Location I: Meter 9 (Standby)
 Location J: Meter 10 (Standby)
 Location K: Meter 11 (Standby)
 Location L: Meter 12 (Standby)
 Location M: Meter 13 (Standby)
 Location N: Meter 14 (Main and Check)
 Location O: Meter 15 (Main and Check)

HV/LV Name of Substation 3: 220 KV RE Pooling Substation
 Bus Name 6: 220 KV RE Bus-6
 Bus Name 7: 33 KV RE Bus-7
 Bus Name 8: 33 KV RE Bus-8
 Bus Name 9: 33 KV RE Bus-9
 Location P: Meter 16 (Standby)
 Location Q: Meter 17 (Standby)
 Location R: Meter 18 (Main and Check)
 Location S: Meter 19 (Main and Check)
 Location T: Meter 20 (Main and Check)
 Location U: Meter 21 (Standby)
 Location V: Meter 22 (Standby)
 Location W: Meter 23 (Standby)
 Location X: Meter 24 (Main and Check)
 Location Y: Meter 25 (Standby)
 Location Z: Meter 26 (Main and Check)
 Location AA: Meter 27 (Standby)
 Location AB: Meter 28 (Main and Check)
 Location AC: Meter 29 (Standby)
 Location AD: Meter 30 (Main and Check)
 Location AE: Meter 31 (Standby)
 Location AF: Meter 32 (Main and Check)
 Location AG: Meter 33 (Standby)
 Location AH: Meter 34 (Main and Check)
 Location AI: Meter 35 (Standby)



- d) The metering scheme was deliberated in the 60th CCM held on 23.08.2024, and upon ratification, the metering scheme was approved in the Minutes of the 60th CCM issued vide SRPC letter dated 09.09.2024.
- e) Subsequently, M/s. Hero Solar Energy Private Limited, vide email dated 02.07.2026, informed that a Battery Energy Storage System (BESS) component is proposed to be integrated under both SPVs. In this regard, Main, Check, and Standby meters are proposed to be provided on all BESS feeders. Accordingly, the entity has submitted a revised metering scheme for consideration and approval.
- f) The following meters will be the part of the metering scheme.

Meter details:

SEMs to be used	
Main & Check Meter	SEMs at Bidar end of 220KV line between 400/220 KV Bidar,ISTS SS and RE Pooling Station (Sub Station-2) i.e at Loc. A-M1, Loc. B-M2.
Standby Meter	SEMs at RE Pooling Station (Sub Station-2) end of 220KV line between 400/220 KV Bidar,ISTS SS and RE Pooling Station (Sub Station-2) i.e at Loc. C (M3) & Loc.D(M4).

Accounting Methodology:

SEMs to be Used	
Active Energy	SEMs at 220KV Bus at 400/220 KV Bidar,ISTS SS
Reactive Energy	SEMs at 220KV Bus at 400/220 KV Bidar,ISTS SS

- g) It may be noted that **Single DSM & Reactive energy account** will be undertaken for both of the SPV's namely SJVN GS-Clean Solar Power (Baniyana) Private Limited and NHPC-Clean Renewable Energy AP One Private Limited in the name of **M/s. Hero Solar Energy Private Limited**, which will be classified under **Hybrid/Solar** Category.
- h) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:
- “Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.*
- i) As per the above-cited provision of the Regulations, it was requested that Main, Check, and Standby meters be installed to all generators & ESS to ensure uninterrupted actual data during contingencies. However, M/s Hero Solar Energy Private Limited expressed concerns regarding the installation of three meters due to the non-availability of spare CT cores and space constraints.
- j) Upon further analysis, M/s. Hero Solar Energy Private Limited informed that Main and Check meters could be installed for all solar and wind feeders. However, owing to the non-availability of spare CT cores, both meters would initially be connected to the same CT core until additional CT cores or CT become available.
- k) It was emphasized that, in the event of failure of a CT core or CT, source-wise segregation of actual data would not be possible. Accordingly, M/s. Hero Solar Energy Private Limited was requested to either connect the Main and Check meters through separate CT cores or install the Main meter at the 33 kV bus and the Standby meter at the generation point, thereby

ensuring source-wise segregation of actual data even in the event of failure of any meter, CT core, or CT.

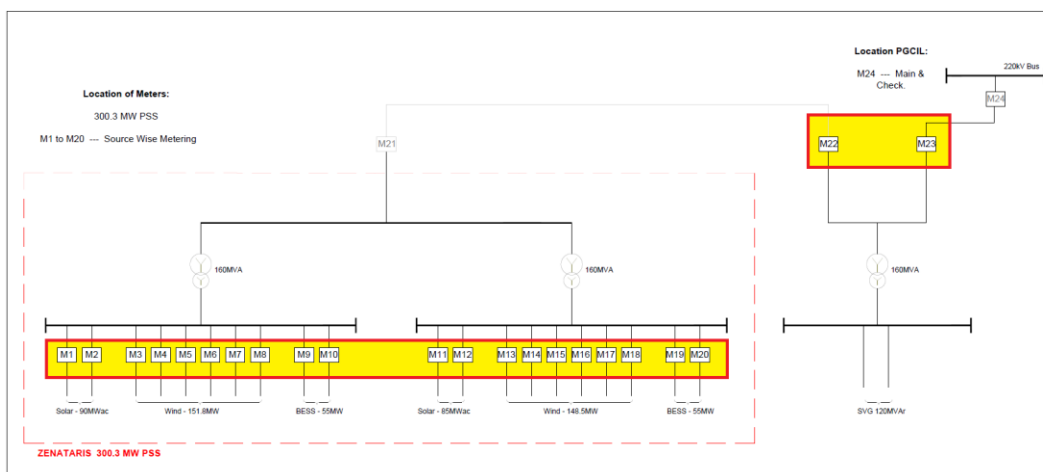
- l) M/s. Hero Solar Energy Private Limited agreed to install Main meters at the 33 kV bus level and Standby meters at the generation points for all Solar and Wind feeders within a period of six months. Until such time, Main and Check meters would be installed at the 33 kV bus level, with both meters connected through the same CT core. The above arrangement has been communicated by the entity vide e-mail dated 20.07.2026.
- m) The proposal of M/s. Hero Solar Energy Private Limited was concurred and advised the entity to ***complete the installation of Main meters at the 33 kV bus level and Standby meters at the generation points within the stipulated period of six months.***
- n) SRLDC further informed that, in the event of any failure of a CT or CT core, the duration of the failure and the time of restoration shall be promptly intimated to SRLDC by M/s. Hero Solar Energy Private Limited. The same has been ensured by M/s. Hero Solar Energy Private Limited.
- o) The metering scheme is subject to variation based on Regulatory Requirements.
- p) The scheme was discussed during the meetings held on 09.07.2026 & 14.07.2026 and provisionally approved.

➤ ***May please be deliberated.***

8.19 M/s. Zenataris Renewable Energy at Hiriyur, Karnataka:

Agenda:

- a) M/s. Zenataris Renewable Energy vide mails dated 07.04.2026 & 14.07.2026 (**Annexure-8s**), have submitted the revised metering scheme of Hybrid Power Park of 300MW capacity at Kudligi Taluka, Vijayanagara District, Karnataka which is proposed to be connected at 400/220kV Hiriyur, ISTS SS. Final grant of connectivity has been obtained from CTUIL, vide letter dated 25.04.2024.
- b) The metering scheme was deliberated in the 59th CCM held on 17.05.2024, and upon ratification, the metering scheme was approved in the Minutes of the 59th CCM issued vide SRPC letter dated 29.05.2024.
- c) Subsequently, M/s. Zenataris Renewable Energy submitted a revised metering scheme, stating that the 300 MW Hybrid Power Park comprises 200 MW of Wind Capacity and 100 MW of Solar Capacity. It was further informed that separate meters are proposed to be installed on each feeder to facilitate source-wise segregation of generation data. Accordingly, the revised metering scheme has been submitted for approval.
- d) Further, it was informed that, based on the results of a reactive power compensation study, they were advised to connect a Static VAR Generator (SVG) to the 220 kV transmission line. Accordingly, a dedicated bay is being constructed for the installation of a 120 MVAR SVG by LILoing the 220 kV line connecting the Zentaris Pooling Station and the 220 kV bus of the 400/220 kV Hiriyur ISTS Substation.
- e) The proposed revised metering arrangement is as given below.



- f) Accordingly, as per the revised metering arrangement shown above, **SEM-M24**, connected at the 220 kV bus of the 400/220 kV Hiriya ISTS Substation, shall continue to serve as the **Main and Check meter**, in line with the approval accorded in the Minutes of the 59th Commercial Sub-Committee Meeting. However, consequent to the LILOing of the 220 kV line connecting the Zentaris Pooling Station and the 220 kV bus of the 400/220 kV Hiriya ISTS Substation for the integration of the 120 MVAR SVG, **SEM-M23 shall be designated as the Standby meter in place of SEM-M21**, as originally approved in the Minutes of the 59th CCM.
- g) The following meters will be the part of the metering scheme.

Meter details:

SEMs to be used	
Main & Check Meter	SEMs(M24) at Hiriya end of 220KV line between 400/220 KV Hiriya,ISTS SS and Zentaris Pooling Station.
Standby Meter	SEM(M23) at 220KV outgoing bus of LILO section of 220KV line connecting the 120MVAR SVG Bay and the 220 kV bus of the 400/220 kV Hiriya ISTS Substation.

Accounting Methodology:

SEMs to be Used	
Active Energy	SEMs at 220KV Bus at 400/220 KV Hiriya,ISTS SS
Reactive Energy	SEMs at 220KV Bus at 400/220 KV Hiriya,ISTS SS

- h) It may be noted that **single DSM and reactive energy account** will be undertaken for the project, which will be classified under the **Hybrid/Solar** category.
- i) RE developers shall ensure sufficient SEMs as mandated by CERC DSM Regulation 2024 clause 8 (6) as follows:

“Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured”.

- j) The metering scheme is subject to variation based on Regulatory Requirements.

➤ **May please be deliberated.**

8.20 M/s. JSW Neo Energy Ltd.:

Agenda:

- With reference to the Minutes of the 64th CCM issued vide SRPC letter dated 27.10.2025, it is submitted that M/s. JSW Renew Energy Limited, vide e-mail dated 28.08.2025, had informed that an additional wind generation capacity of 180 MW was proposed to be added to the existing 150 MW Wind Power Project (SECI-X) at Dharapuram, for which the metering scheme had been approved in the 54th CCM.
- Subsequently, vide e-mail dated 13.05.2026(**Annexure-8t**), it has been requested correction of the entity name recorded in the Minutes of the 64th CCM.
- It has been observed from the CTUIL Connectivity Letter that the additional 180 MW capacity pertains to “**M/s. JSW Neo Energy Ltd.**”. Accordingly, the reference to "M/s. JSW Renew Energy Limited" in the Minutes of the 64th CCM, insofar as it relates to the additional 180 MW capacity, may be omitted.
- The above correction is placed before the forum for ratification.

➤ *May please be deliberated.*

Respective Entity shall install SEMs conforming to the JC technical specifications approved by the NPC and the data shall be compatible with the RLDC format.

➤ *For deliberation to accord formal approval of all the above metering schemes and accounting methodologies.*

9. Items Proposed by SRLDC

SRLDC, vide email dated 30.07.2026(**Annexure-9**), proposed the following agenda for deliberation

8.1 Non-payment of Legacy Bill Dues (Dues accrued as on 16.09.24):

8.2 Shortfall Bill (dues after 16.09.2024):

8.3 Status of outstanding charges to the pool accounts

- Outstanding DSM Charges to Deviation and Ancillary Service Pool Account as on 26.07.2026 considering up to Wk. 14 (29-06-2026 – 05-07-2026) is as below:

Entity	Outstanding	Pending Weeks
ATHENA BHIWADI SOLAR POWER Pvt. Ltd.	₹ 2,46,80,624	FY 2024-25 wk 24 to FY 2026-27 wk 14 (all part payments)
ATHENA HISAR SOLAR POWER Pvt. Ltd.	₹ 2,94,84,794	FY 2024-25 wk 24 to FY 2026-27 wk 14 (all part payments)
ATHENA KARNAL SOLAR POWER Pvt. Ltd.	₹ 2,52,24,790	FY 2024-25 wk 24 to FY 2026-27 wk 14 (all part payments)
Azure, NPKUNTA	₹ 13,31,725	wk 13,14
IRCON RENEWABLE POWER LIMITED	₹ 50,64,009	wk 12
JSW Twenty (Solar), Pavagada	₹ 43,721	wk 14
Kleio Koppal(Hybrid)**	₹ 15,40,690	wk 3,4 (part payments)
MAL,Koppal**	₹ 10,70,568	wk 50,51,6 (part payments)
Manikaran Analytics Ltd.(Karur)(Wind)**	₹ 1,17,13,071	wk 4,5,6,12
Manikaran Analytics Ltd., Tuticorin (Wind)**	₹ 6,29,80,130	Wk 3,4,5,6,7,9,12,13(part payments)
Reconnect QCA, Pavagada (Solar)**	₹ 1,78,37,603	Wk 1,2,7,11,13,14 (part payments)

ReNew Surya Roshni Private Limited Gadag**	₹ 33,79,760	wk 5,6
RENEW VYOMAN POWER PRIVATE LIMITED	₹ 3,89,896	wk 13,14
Sembcorp Green Infra Private Limited**	₹ 43,91,425	wk 3,4(part payments)
Serentica3, Gadag (Hybrid)**	₹ 1,88,95,814	wk 1,2,3,4,6,13,14(part payments)
Sprng Akshaya Urja Private Limited**	₹ 29,29,242	Wk 2,3,4(part payments)
SPRNG RENEWABLE ENERGY PRIVATE LIMITED**	₹ 24,98,880	Wk 2,3,4(part payments)
Vena Energy Vidyuth Private Limited**	₹ 96,02,675	Wk 1,2,3,4,13 (part payments)
ZENATARIS RENEWABLE ENERGY PVT. LTD(HIRIYUR)**	₹ 3,27,84,130	Wk 4,5,6,7,8,10,11,12 (part payments)
Grand Total	₹ 25,69,30,796	

**Athena Plants making payments for Differential Generation and Auxiliary Consumption Charges only, while protesting and refusing to pay the Deviation Penalty.*

*** - Payments have been made by the concerned parties in compliance with the Order dated 21.04.2026 issued by the Hon'ble Karnataka High Court in Petition No. WP 13260/2026, National Solar Energy Federation of India vs. CERC and Others.*

b) Outstanding NET AS Charges to Deviation and Ancillary Service Pool Account as on 26.07.2026 considering up to Wk. 14 (29-06-2026 – 05-07-2026) is as below:

Entity	Outstanding	Pending Weeks
JINDAL POWER LIMITED (Simhapuri Unit)	₹ 3,36,79,549	wk 14
Total	₹ 3,36,79,549	

c) Outstanding Reactive Charges to Deviation and Ancillary Service Pool Account as on 26.07.2026 considering up to Wk. 14 (29-06-2026 – 05-07-2026) is as below:

Entity	Outstanding
AVAADA SOLARISE ENERGY PVT LTD	₹ 29,590
Azure Power thirty six private limited	₹ 9,398
JSW Renew Energy Ltd.(KARUR),(Wind)	₹ 1,205
Mytrah Vayu (Sabarmati) Private Limited	₹ 692
RECONNECT ENERGY SOLUTIONS LIMITED PAVAGADA	₹ 1,91,356
RENEW WIND ENERGY PVT LTD	₹ 18,294
Renew Surya Ojas private Limited	₹ 88
Sembcorp Green Infra Private Limited	₹ 134
Serentica Renewables India 1 Private Limited	₹ 176
Vena Energy Vidyuth Private Limited	₹ 6,016
Total	₹ 2,82,461

d) Outstanding payments to DSM pool account as on 26.07.26 (considering up to June'26 Statement issued by SRPC) as interest payable due to delayed payment of weekly Pool charges is as below:

Entity	Outstanding (₹)	Pending months
LANCO Kondappalli Power Pvt. Ltd Stage II	₹ 23,538	May 25, Aug 25
JINDAL POWER LIMITED (Simhapuri Unit)	₹ 23,06,611	Apr 25, June 25, Jul 25, Sep 25, Nov 25, Dec 25, Jan 26, Feb 26, Apr 26, May 26, Jun 26

Meenakshi Energy Limited	₹ 33,10,409	Feb 25, Mar 25, Apr 25, May 25, June 25, Jul 25, Aug 25, Sep 25, Oct 25, Nov 25, Dec 25, Jan 26, Feb 26, Mar 26, Apr 26, May 26, Jun 26
Karnataka Power Transmission Corp. Ltd (KPTCL)	₹ 1,43,998	Sep 25
Grand Total	₹ 57,84,556	

e) Outstanding payments related to Statement of Compensation due to Part Load Operation on Account of SCUC up to June'2026- **NIL**

❖ *All entities are requested to ensure timely payment.*

8.4 Opening of LC by SR Constituents for DSM payments

8.5 Audit of SR DSM, Net AS & Reactive Energy accounts:

The details of payments and disbursements of DSM, Reactive, NET AS accounts for the period 01.01.2026 to 31.03.2026 are enclosed in *Annexure-II, III & IV of Annexure-9*.

8.6 Reconciliation of DSM, NETAS and Reactive charges:

8.7 Reconciliation of TGNA disbursements:

8.8 PSDF fund transfer from SRLDC Status:

Status as on 04-08-26 is enclosed in *Annexure VI of Annexure-9*. Amount transferred from SR Pool Account into PSDF in FY 2026-27 (so far) is **NIL** due to no Surplus in All India Level.

8.9 Time Drift:

a) Time Drift >5 Min

Utility Name	Station Name	Description	Meter No	Time Drift	Pending since
QCA_Manikaran Analytics Ltd.	NP Kunta_NTPC	33kV line-5 at NP kunta PS-1 of NTPC (QCA_Manikaran)	AP-0722-A (Stand by meter)	Around 7 Hrs	10-04-2026

b) Time Drift >1 min to <5 Min

Utility	No of Meters >1 min to <5 Min
KPTCL	4
MAPS	1
KNTL	2
Manikaran Analytics Ltd.	11
Andhra Pradesh	2
POWERGRID SR1	1
TANTRANSCO	3
Telangana	3
Green infra	1
Grand Total	28

8.10 Non receipt of Time Drift:

Time drift statement needed to be uploaded by 12:00 hrs of first Monday of every month to SRLDC Time drift Portal <https://timedrift.srldc.in/login/>.

The following Stations are not updating their Time Drift Statement regularly.

Utility	Stations
Nuclear	BHAVINI
ReConnect_QCA	Pavagada

8.11 SEM related issues:

Faulty Meters requiring replacement of SEM.

- NP-9766-A (Stand by meter), connected to the 765kV Nizamabad Line-1 at Maheshwaram (SR_1) recording inconsistency meter reading since 04-03-2026.
- NP-3100-A (Stand by meter), connected 400kv side of ICT 2 at Vijayawada (SR_1) is having reverse polarity since 22-06-2026.
- NP-3423-A (Stand by meter), SRLDC not receiving data from 33kV floating solar feeder-2 of NTPC_Simhadri since 11-05-2026.
- NP-3426-A (Stand by meter), 400kV side of 400/220kV ICT-2 at kurnool_3 (SR_1) is under recording since 25-05-2026.

➤ *SRLDC may present the above agenda items.*

Follow-Up Items

10. Review the secondary oil consumption of plants on a quarterly basis for FY 2026-27

- a) As per CERC Detailed Procedure for mechanism of compensation for degradation of Station Heat Rate, Auxiliary Energy Consumption and Secondary fuel oil consumption due to part- load operation and multiple start/stop of the units”, the following has been stipulated:

Quote

(xvi) The Designated generating stations is to take all due care to keep a check on secondary oil use during part operations and during start-ups to the extent possible. The respective RPC Secretariat shall review the secondary oil consumption of plants on a quarterly basis, along with the concerned RLDC and designated generating stations, to find out high-consuming plants and reasons for high consumption and suggest measures to mitigate the excess use of secondary oil to the extent possible.

Unquote

- b) As per the above Clause, SRPC shall review the secondary oil consumption of SR CGS on a quarterly basis. Accordingly, NTPC, NLCIL, NTECL, NTPL and NNTPP have been requested to furnish the details for the period from April to June 2026 for the FY 2026-27 for further action. SRPC Secretariat, vide email dated 03.08.2026, requested the constituents to furnish the required details.

➤ *May please be deliberated.*

11. Monitoring of Testing/Calibration of all Accounting Meters in SR

- a) As per the CEA Metering Regulations, the calibration has to be done once in every 5 years, so all such meters need to be calibrated/tested, else alternate arrangements like replacement with new meters may be done. SRPC requested SRLDC to provide the list of meters in use, which were not calibrated as per the Metering Regulations.
- b) The definition of ‘Meter’ of CEA Metering Regulations, include Meter and other equipment such as Instrument Transformer necessary for the purpose of measurement. Therefore, while carrying out the Calibration of Meters, entities have to ensure the Calibration of Instrument transformer also.
- c) The matter was deliberated during the 64th to 66th Meetings of the Commercial Sub-Committee, wherein the following was discussed and decided:
 - Meter testing/calibration is a statutory requirement under the CEA (Installation and Operation of Meters) Regulations and is essential for accurate energy accounting. The Electricity Act mandates that the Regional Load Despatch Centre shall maintain accounts of the quantity of electricity transmitted through the regional grid.
 - SRLDC, vide e-mail dated 30.01.2026, requested all entities to submit the test certificate for each meter at the time of first-time charging. Further, whenever a meter is calibrated, the corresponding calibration report shall also be submitted to SRLDC.
 - SRLDC informed that no entity had furnished the required details. The Chief Engineer, KPTCL, stated that the concerned entity shall carry out testing of the meters to verify that they are properly calibrated and that all parameters are within the prescribed permissible limits. Thereafter, the final test report shall be submitted to both SRLDC and SRPC.
- d) In this regard, *all SR constituents were requested to furnish the testing/calibration dates for all accounting meters to SRPC and SRLDC*. If the due date had already passed, the respective entity may propose the relevant action plan in this regard.
- e) *SRLDC is requested to furnish the entity-wise list of all SR accounting meters.*

➤ *All SR constituents may update in this regard.*

12. SR Tertiary Drawl points

- a) The matter was deliberated in various Commercial meetings and it was requested that SRLDC furnish the list of tertiary drawl points, where accounting meters are required to be installed. SRLDC agreed to furnish the list, and the same would subsequently be circulated to the transmission licensees and States. Accordingly, the respective States may install meters to record the energy quantum.
- b) SRLDC vide email dated 30.07.2026 (**Annexure-12**) furnished the details of the tertiary transformers across various substations, which were compiled based on SRLDC records and inputs received from the respective entities.

➤ *May please be deliberated.*

13. MW Capacity Certification of all HVDC system by Grid-India

- a) Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) (Third Amendment) Regulations, 2023, the following is stipulated:

(a) Regional Component of HVDC (RC-HVDC) comprising of 70% of Yearly Transmission Charges of HVDC transmission systems planned to supply power to the concerned region, except HVDC transmission systems covered under sub clauses (a), (b) and (c) of Clause (3) of Regulation 5:

Provided that where an inter-regional HVDC transmission system planned to supply power to a particular region is operated to carry power in the reverse direction due to system requirements, the percentage of Yearly Transmission Charges of such transmission systems to be considered in the Regional component and the National component shall be calculated as follows:

$HVDCr \text{ (in \%)} = (MW \text{ capacity of power flow in the reverse direction} / MW \text{ capacity of power flow in the forward direction}) \times 100$

Where, HVDCr (in %) is more than 30%, the Yearly Transmission Charges corresponding to HVDCr shall be considered in the National component and the balance in the regional component.

Where, HVDCr (in %) is equal to or less than 30%, 30% of Yearly Transmission Charges shall be considered in the National component and 70% in the regional component:

Provided further that the MW capacity of power flow in reverse direction shall be certified by NLDC by way of actual power flow equal to such capacity;”

- b) The matter was deliberated in various meetings. During the discussions, SRPC requested NLDC/SRLDC to certify and share the reverse capacity of all existing HVDC systems in accordance with the Third Amendment to the CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations. SRLDC informed that Grid-India had carried out the required studies and that the study details would be shared with all stakeholders within one month.
- c) The matter was deliberated in 57th SRPC, 54th TCC and 66th Meeting of Commercial Sub Committee meeting held on 17.03.2026, 16.03.2026 & 08.05.2026 respectively, SRLDC informed that NLDC had reiterated that the reverse power flow capability of all existing inter-regional HVDC systems had been tabulated, in Petition No. 685/TT/2020 (on remand to CERC) dated 30.10.2023.
- d) SR Constituents once again requested that the matter be taken up with NLDC for certification of the HVDC transmission system as per Sharing Regulation 3rd Amendment.
- e) The matter was deliberated in 58th SRPC & 55th TCC meetings held on 28.07.2026 & 24.07.2026.

➤ ***May please be deliberated.***

14. Submission of Partial Outage Data with Validation

- a) In 66th Commercial Sub-committee meeting held on 08.05.2026, it was informed that ERPC has developed a procedure for furnishing requisite information by concerned entities regarding partial

outages of generating units for subsequent consideration under the DSM account. As per the procedure, the generating station is required to submit evidence for each partial outage event, such as SOE, logs, screenshots with time stamps, etc. Additionally, they must submit DAS data at 10-second intervals from 30 minutes prior to the partial outage to 30 minutes after the event, along with a declaration confirming that the submitted details are not attributable to reasons such as fuel quality variation. SRLDC informed that the matter needs to be discussed in the OCC forum and may be taken up further accordingly. Further, it would be discussed in upcoming Commercial Sub-committee meeting.

- b) Subsequently the issue was deliberated in the 240th OCC Meeting held on 10.07.2026.
- c) Accordingly, SRPC has formulated the Procedure in line with the ERPC Procedure, a copy of which is enclosed at **Annexure-14**. All constituents were requested to furnish their observations on the proposed Procedure.

➤ *May please be deliberated.*

15. Implementation of Automatic Meter Reading (AMR) in Southern Region

- a) Status of AMR Implementation in SR are depicted below:

Sl No.	Meeting/ Correspondence	Date	Conclusion/Recommendation/Decision	Remarks
	SRPC approved implementation of the AMR scheme, by PGCIL, in SR. However, it was not implemented citing non-availability of Pan India Technical Specifications for the AMR. Subsequently, NPC issued Technical Specification (TS) of Interface Energy Meters, AMR system and Meter Data Processing system, finalised by joint committee. Further, many discussions happened in various forums.			
	15 th NPC	16.11.2024		Roadmap and implementation schedule was discussed in 15 th NPC meeting. It was decided that Five (5) minute Interface Energy Meters along with AMR system, MDP and related software/hardware for PAN India (for all Five regions) shall be implemented by 31st December, 2027 .
	54 th SRPC 51 st TCC	22.03.2025 21.03.2025	BoQ of AMR (including architecture) had been shared with RPCs and NLDC, vide email dated 20.03.2025, considering the sub systems, computer systems, hardware and software. CTUIL requested all RPCs to provide comments, and the same would be incorporated in DPR being prepared by PGCIL. It was requested that Meter quantity projection for next 2 years i.e. till Dec 2027, may be reviewed and confirmed	SRPC vide mail dated 17.02.2025, forwarded the details of SEMs in SR as communicated by SRLDC.

			by all RPCs/NPC and NLDC/RLDCs by 31 st March'25.	
	55 th SRPC 52 nd TCC	26.07.2025 25.07.2025	Finalised DPR prepared by PGCIL has been circulated by CTUIL. The cost recovery through RTM is proposed by PGCIL/CTUIL. It was noted that the 16 th NPC meeting held on 04.07.2025 recommended the proposal.	
	31 st NCT meeting	14.07.2025	NCT directed CTUIL, Grid India and Cyber Security Division (CEA) to carry out detailed deliberations and bring comprehensive agenda in the NCT regarding centralised architecture with DC+DR, ensure secured and dedicated communication network and housing the AMR server in MEITY data centre or any other location, like UNMS server locations, needs deliberations, to ensure both compliance with cyber security norms and scalability. Issues have been raised by Grid-India.	Installation and development of IEM and AMR system falls under the scope of CTUIL, it was requested to duly convey the concerns expressed by Grid-India to NPC seeking further directions for incorporating the same in the roadmap being prepared by CTUIL as per 15 th NPC meeting.
	17 th NPC	27.02.2026	CTU informed that SOP for installation of new IEMs and replacement of existing IEMs for ISTS has been published. POWERGRID vide email dated 12.12.2025 informed that the DPR BOQ for Meter Qty and AMR systems has been submitted to CTUIL on 21.06.2025. Grid-India vide email dated 02.02.2026 informed that as per the minutes of the 15 th NPC meeting held on 14.11.2024, AMR system for PAN India (across all five regions) is targeted for completion by 31 st December 2027. Grid-India is in the process of finalizing technical specifications and other requisite details for development of the Meter Data Processing (MDP) software. The commissioning of MDP software is planned to be completed within the same target timeline as AMR system.	CTUIL informed that agenda item would be placed before NCT meeting.
	57 th SRPC 54 th TCC	17.03.2026 16.03.2026	CTUIL informed that the details had already been furnished to CEA	

			for placing the agenda before the NCT meeting.	
	40 th NCT	15.04.2026	Approved the scheme “Supply & Installation of AMR Compatible ISTS Interface Energy Meters along with AMR (Automatic Meter Reading) System under the scheme “5 min Interface Energy Meter along with AMR system”-For all five regions as PAN India level” under RTM mode.	
	58 th SRPC 55 th TCC	28.07.2026 24.07.2026	Deliberated	

➤ **CTUIL & NLDC (SRLDC) to present the latest status.**

16. Raigarh - Pugalur – Madakkathara (Trissur) HVDC transmission system

Status is depicted as below:

Sl. No	Meeting/ Correspondence	Date	Conclusion/Recommendation/Decision
1	CERC Petition No. 685/TT/2020, dated 31.10.2023	31.10.2023	<i>As per Third Amendment, 50% of the transmission charges of the Raigarh-Pugalur HVDC shall be shared under the National Component. Balance under the Regional component.</i>
2	52 nd SRPC	03.08.2024	SRPC approved the upgradation of ± 800 kV, 6000 MW Raigarh - Pugalur HVDC System for enhancement of reverse power capacity up to 6000 MW from existing 3000 MW at indicative cost of Rs 1000 Cr (including cost of system studies) and required AC system strengthening at Pugalur (Estimated cost of Rs 400 crores) & Raigarh (Estimated cost of Rs 1800 Crores) which was already identified and detailed in the earlier SRPC meetings. <i>SRPC recommended CTUIL to take up the matter to NCT at the earliest and also recommended to ensure to take up both the DC and AC systems simultaneously & expeditiously.</i>
3	24 th NCT	23.10.2024	Decided that a committee will be formed comprising members from CEA, CTUIL,

			POWERGRID, Grid-India, SRPC and WRPC. Carry out comprehensive study and propose comprehensive plan. Plan may again be put up to SRPC before bringing it to NCT.
4	Committee for study of Upgradation of HVDC	Constituted on 18.12.2024	Three meetings of the Committee was convened on 23.12.2024, 25.01.2025 and 09.05.2025 respectively Transmission System in Southern Region: - Karur PS – Pugalur (HVDC) 400 kV (Quad) 2nd D/c line (~40 km) - Pugalur (Existing) – Karur PS 400 kV (Quad) 2nd D/c line (~ 20 km) CTUIL suggested that the above scheme would be made part of the Karur Pooling Station and include in upcoming CMET-SR meeting for deliberation. Transmission System strengthening required in WR for enabling reverse power flow up to 6000 MW on Raigarh-Pugalur HVDC line - Augmentation of 765/400 kV Raigarh (Kotra)-II S/s by 1x1500 MVA ICT (4th) - Shifting of following Generating Stations from Raigarh (Kotra) S/s to Raigarh (Kotra)-II S/s: - SKS: 4x300 MW (additional line length ~20 km) - RKM: 4x360MW (additional line length ~5 km.)] - Shifting of 1x600 MW existing unit of Korba West to Raigarh (Kotra)-II S/s (By suitable arrangement b/w existing and Expansion project which is already proposed for interconnection at Kotra-II). <u>Summary of Committee Report:</u> - Strengthening at Raigarh end is also being carried out for granting connectivity to thermal generators, the scheme is under bidding. Apart of the scheme some additional system strengthening would be required at Raigarh and the estimated cost for the same is approximately Rs. 458 Cr/ 578 Cr. - Considering the cost of Rs. 1000 Crores, as approved by SRPC for upgradation of HVDC System (including system studies), the total cost for upgradation of Raigarh-Pugalur HVDC link for reverse power flow up to 6000 MW in reverse direction (from the present level of 3000 MW) would be Rs. 1458 Crore/1578 Crores *(approx.). *Depending on the utilization of RKM line for shifting of Adani Power Ltd. (Korba West-1x600MW) from Raigarh (Kotra) to Raigarh (Kotra-II). The above-mentioned cost is in addition to the cost of the following AC system strengthening scheme at Raigarh and Pugalur end: - WR-ER Inter-Regional Network Expansion Scheme (Under Bidding)

		○ AC system strengthening at Pugalur end. ● Grid-India: With this the overall expected TTC between SR-WR would be enhanced to around 15000 MW.	
	56 th SRPC	15.11.2025	Recommended Shifting 3 generating stations from Raigarh (Kotra) S/s to Raigarh (Kotra)-II-be treated as an ISTS requirement
	57 th SRPC	17.03.2026	Southern Region (SR) system strengthening, an investment of ₹621 Crore at Karur Sub-Station had been planned.
	42 nd NCT	07.07.2026	<i>NCT recommended the transmission scheme “Transmission System Strengthening at Karur PS for Integration of RE Generation Capacity” for implementation under TBCB mode, estimated cost of ₹634 crores.</i>

a) The matter was deliberated in 58th SRPC meeting held on 28.07.2026.

➤ *For information of the forum.*

17. Recovery of Relinquishment charges as per the direction of CERC in order dated 08.03.2019 in Petition. No: 92/MP/2015

- As per the CERC order dated 08.03.2019 in Petition No. 92/MP/2015, the relinquishment charges had been computed by CTU and the total relinquishment charges payable to the PoC pool by the generators/ LTA customers, was ₹ 7,299.07 Crore. Before the CERC order, many IPPs/generators had relinquished the LTA and the charges were being recovered from the beneficiaries.
- Later through different CERC orders and other orders, some of the relinquishment charges got reduced (with reference to what was calculated, based on order in Petition No. 92/MP/2015) and some new relinquishing entities were added in the list. Accordingly, when the figures were compiled in January, 2024 the amount came out to be ₹ 6,924.80 Crore, for which category wise breakup had been given.
- The issue had been discussed in several SRPC/TCC meetings and commercial sub-committee meetings.
- In 52nd TCC & 55th SRPC meetings held on 25.07.2025 & 26.07.2025, CTUIL informed that with the recent receipt of ₹13.25 Crores payment, the total relinquishment charges received was ₹ 12308 lakhs under Category-B (IPPs and state utilities who did not file appeals in APTEL). It was noted that APPCC and PCKL had already impleaded in the petitions.
- In 53rd TCC and 56th SRPC meetings held on 14.11.2025 & 15.11.2025, CTUIL informed that APTEL had permitted CTUIL to raise invoices for relinquished customers falling under Category B. Accordingly, a bill amounting to ₹1960 crores was raised on 8th September 2025. It was also mentioned by APTEL that CTUIL shall not take any coercive steps for recovery of the amounts reflected in these invoices.
Legal Opinion furnished by Shri M.G. Ramachandran, Senior Advocate was shared to SRPC Secretariat, vide mail dated 14.11.2025. The same was circulated to all SR Constituents vide email dated 24.11.2025.

- f) CTUIL, vide email dated 11.02.2025, provided the following status update regarding various actionable points decided in the meeting of working group, constituted to deliberate and workout how CTUIL shall pursue the matter and defend the case at appropriate forums protecting the interest of states, held on 18.11.2024.

Sl No.	Actionable point	Status update, vide email dated 11.02.2025
1.	CTUIL to obtain expert legal opinion on various matters	Legal opinion is being sought from Senior Advocate Shri M.G. Ramachandran, w.r.t. course of action to be adopted in recovery of relinquishment charges through office of R Associates.
2.	CTUIL to inform SR constituents regarding the cases at various judicial bodies so that the DISCOMs can also participate/implead	Subsequent to the discussions held in the meeting of working group on 18.11.2024, CTUIL had provided the list of cases, wherein parties have challenged CERC Order in Petition No. 92/MP/2015 dated 08.03.2019 and 252/MP/2019 dated 11.12.2019. The DISCOMs may implead or participate in these cases as per their requirement.
3.	CTUIL to inform about the hearing dates to DISCOMs	As mentioned in point 2, CTUIL had provided the list of cases and as the date of hearing before the APTEL may get updated just one day before the hearing, accordingly, interested parties may check the hearing dates from the website of APTEL (http://www.aptel.gov.in/)
4.	CTUIL to pursue for vacating of the Stay at APTEL	CTUIL has been pursuing the matters on an urgent basis, in which stay had been granted by the APTEL against raising of invoices. CTUIL had approached the APTEL to vacate the stay granted by the APTEL in Appeal No. 251 of 2019, which barred CTU from raising invoices for relinquishment charges on non-CIRP-entities. All the interim applications for vacation of the stay order of APTEL were listed on 28.01.2025 but were postponed for hearing on 17.02.2025.

- g) The matter was deliberated in 65th Commercial Subcommittee meeting held on 23.01.2026; CTUIL informed that APTEL constituted a separate bench comprising the Chairperson and one new Member (Technical). All appellants had raised objections regarding the inclusion of the new Member, as the said Member was part of the Working Committee constituted for computation of relinquishment charges. However, it was mentioned that the CERC did not consider the report of the Working Committee. The matter was to be adjudicated by APTEL. Upon acceptance of the refusal of the newly appointed Member (Technical) by APTEL, CTUIL may proceed with filing an application before the Hon'ble Supreme Court. Bills had been raised; the stay continues to remain in force. The next hearing was scheduled on 29th January 2026.

- h) CTUIL updated the table as below:

Sl No	Description	Total relinquishment charges in ₹. (Lakhs)	Total billed in ₹. Lakhs	Payment received (₹. In Lakhs)	BG Encashed (₹. In Lakhs)	Pending (₹. In lakhs)	BG Available (₹. In Lakhs)	Remarks
1.	List of IPPs and state utilities filed appeals in APTEL and not in Insolvency/ liquidation proceedings (Category E)	219181	196008	0	3387	215794	28923	As per the direction of APTEL dated 04.09.2025, bills are raised for an amount of

								₹1960.08 Crores on 08.09.2025
2.	List of IPP filed appeals in APTEL and undergoing insolvency/liquidation proceedings (Category C)	116739	116739	0	20895	95844	1084	Bills raised
3.	List of IPP filed appeals in APTEL and insolvency/liquidation proceedings completed (Category-D)	261483	-	13699	15565	232219	0	Taken over by new entities in the Insolvency proceedings, hence no bills raised.
4.	List of IPPs and state utilities did not file appeals in APTEL (Category-B)	91242	91242	12674	120	78448	14208	Bills raised
	Total	688645	403989	26373	39967	622305	44215	

- Approximately ₹4 crores had been received from M/s ADHPL informed by CTUIL in 54th TCC/57th SRPC meeting. Further, CERC issued an order in respect of M/s ADHPL, in Petition No. 97/MP/2022 dated 29.12.2025, directing revision of the relinquishment charges. Consequently, the total amount to be recovered had been reduced to ₹688645 lakhs (from ₹692480 lakhs).
 - It was noted that necessary action would be initiated after six months from the date of bill issuance. However, CTUIL stated that the stipulated time period had already lapsed and the stay on these bills had not yet been vacated by the Tribunal. It was reiterated that active participation from all DISCOMs is essential to effectively defend the case in the appropriate judicial forums, secure vacation of the stay on the bills, and enable regulatory action.
- i) The matter was deliberated in 57th TCC & 58th SRPC meetings held on 24.07.2026 & 28.07.2026 respectively.

➤ **CTUIL to furnish the latest status.**

Items for Information

18. Refurbishment of Talcher - Kolar HVDC link Under Additional Capitalization

- a) The following decisions, w.r.t. refurbishment of Talcher - Kolar HVDC link, were taken in the 52nd TCC & 55th SRPC meetings held on 25.07.2025 & 26.07.2025:
- SRPC agreed, in principle, to the proposal for the refurbishment of HVDC Talcher-Kolar link with an estimated cost of ₹ 5,200 crores. The asset should serve for additional 12-15 years. However, SRPC suggested PGCIL to furnish comprehensive report covering the following:
 - RLA study.
 - Reverse power flow of 2000 MW on sustained basis.
 - Forward power of 2500 MW on sustained basis.

(iv) **Possibility of metallic return instead of Ground return and other suggestions by Grid India/Constituents.**

- **CTUIL to carry out studies for the upgradation required, if any, on both the ends, to facilitate forward/reverse power flow of 2500/2000 MW through the HVDC link.**
- b) **PGCIL SR-II vide email dated 27.04.2026 furnished the assessment reports for the refurbishment of the Talcher-Kolar HVDC link, including converter transformers, under Add Cap.** In 66th Commercial Subcommittee meeting held on 08.05.2026, PGCIL SR-II updated that the order for the converter transformers was placed and the tendering process for the upgradation works was in progress.
- c) In Joint Study Meeting of SR held from 28th to 30th April 2026, Reverse power flow in Talcher-Kolar HVDC line was studied. TNPDCCL gave a detailed presentation on the requirement and feasibility of reverse power flow of 2000 MW on Talcher-Kolar HVDC link.
- d) **Preliminary Observation:** CTU stated that as per the preliminary studies carried out, there are constraints in Eastern Region at Talcher end wherein even reduction of power flow from Kolar end below 1150 MW leads to constraints in evacuation of power from Talcher generation project. In view of the above, system strengthening is required to be identified in Eastern region to facilitate reverse power flow on Talcher-Kolar HVDC link. It was informed that System strengthening required in ER is being evolved and shall be discussed upon identification of the same. Further, in the Southern Region, transmission system has been identified under GEC-III of Karnataka and about 13 GW of Intra-state RE has been considered. In case the same is delayed, constraints may be observed at Kolar end for reverse power flow, in view of the above, Malur – Kolar 400 kV (quad) D/c line may be proposed as system strengthening in SR for facilitating export of power from Kolar end to Talcher. It was also informed that feasibility of additional space for 2 nos. of 400 kV bays at Kolar end needs to be explored with PGCIL. It was opined that sensitivity analysis and ATC/TTC enhancement analysis may also be carried out upon identification of required system strengthening in SR and ER for the reverse power flow on Talcher-Kolar HVDC link.
- e) After detailed deliberations, **it was decided that matter may be taken-up separately upon identification of required system strengthening in ER and requisite inputs from PGCIL for space provisions at Kolar.**

➤ **For the information.**

19. Contract Rate for QCA

- a) The matter of determination of the contract rate for Qualified Coordinating Agencies (QCA) under the CERC Deviation Settlement Mechanism Regulations was discussed in 17th NPC meeting held on 27.02.2026. As per the said Regulations, where Wind/Solar (WS) generators are aggregated at a pooling station through QCA, the contract rate for the purpose of deviation settlement shall be the weighted average of the contract rates of all participating WS sellers. It was further clarified that the computation is to be carried out solely on the basis of the contracted rates specified in the respective Power Purchase Agreements (PPAs).
- b) The complexities involved in the Deviation Settlement Mechanism (DSM) were discussed. It was noted that block-wise computation and varying tariff structures under Section 62 and

Section 63 arrangements create practical challenges in implementation. In this regard, Chairperson, CEA/NPC emphasized the need to simplify the computational methodology while ensuring compliance with the applicable regulatory provisions. He further suggested that a common approach across all RPCs may be evolved. Accordingly, the matter was first deliberated in the 66th Commercial Sub-Committee Meeting of SRPC, wherein it was recommended that a single uniform rate may be considered for Sellers/QCAs.

- c) The matter was discussed again in the Commercial Sub-Group meeting of NPC held on 29.06.2026. During the discussion, it was opined that, for the purpose of computing the weighted average rate for the QCA, the available capacity, along with the applicable contract rate, may be considered in place of schedules for entities whose tariff has been determined under Section 62 or Section 63. Further, for entities whose tariff has not been determined, it was suggested that the Daily Weighted Average Area Clearing Price (ACP) of the Integrated Day-Ahead Market (IDAM) segments of all Power Exchanges for the respective day, as proposed in the CERC Draft Third Amendment of DSM Regulations, may be adopted.
- d) The matter would be placed before the forthcoming NPC meeting for further discussion and finalization.

➤ *For the information.*

20. Metering Requirements

- a) CTUIL raised concerns that SRLDC is requesting the procurement of meters not only at ISTS interface points but also for all SEMs used for segregation of infirm and firm power, source-wise data, and related purposes. the following points have been discussed in 66th CCM:

Installation Responsibility:

Meter to be installed	Responsible Entity
ISTS interface points as defined in CEA Metering Regulations	CTUIL shall install SEMs
Meters used for Regional Commercial Accounting purposes, other than ISTS interface points	CTUIL shall install SEMs (Meters shall be mentioned in the Approved Metering Scheme)
Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured.	WS sellers without ESS: Respective Entity shall install SEMs conforming to the JC technical specifications approved by the NPC and the data shall be compatible with the RLDC format. WS sellers with ESS: CTUIL shall install SEMs for ESS feeders only, as it would be used for commercial accounting. Other Source meters to be installed by respective entity.
Bifurcation of firm and infirm power	Existing methodology of apportioning source wise firm and infirm energy in the ratio of respective firm and infirm capacities in line with the “Procedure for Segregation of Firm and Infirm Injection of RE Generators” approved by the Commercial Sub- Committee

	in its 51 st Meeting held on 22.04.2022 shall be followed.
PSP/BESS not interacting with Grid	Respective Entity shall install SEMs conforming to the JC technical specifications approved by the NPC and the data shall be compatible with the RLDC format.
PSP/BESS interacting with Grid	CTUIL shall install SEMs
All Other Meters	Respective Entity shall install SEMs conforming to the JC technical specifications approved by the NPC and the data shall be compatible with the RLDC format.

Note: JC technical specifications approved by the NPC.

- b) CTUIL commented that all interface meters installed at the points of interconnection with the Inter-State Transmission System (ISTS) for the purpose of electricity accounting and billing should be provided by the CTUIL. It was further stated that, the extant CEA Metering Regulations, did not explicitly cover this aspect, as it is an evolving framework. Bifurcation of losses and apportionment of reactive power had been carried out through regional accounting meters. SRLDC added that, with regard to WS sellers with ESS, CTUIL should install Special Energy Meters (SEMs) for all sources, including ESS feeders, as these would be used for commercial accounting purposes. The matter had been taken up with the NPC Commercial Sub Group, and the issue would be dealt with based on the decision taken therein. CTUIL observations on above are enclosed at **Annexure-21**.
- c) In Commercial Sub Group of NPC meeting held on 04.05.2026, the following has been decided:
- i. **It was decided to entrust the work of providing of accounting meters in addition to Interface Meters to CTU at the cost of entities.**
 - ii. **It was also decided for necessary amendment in CEA Metering regulations for entrusting the work of installation of accounting meters to CTU and referred the matter to the upcoming NPC Meeting for further deliberation.**
- d) The matter has been referred to NPC Meeting for further deliberation.

21. Inclusion of all HVDC systems as part of the “National Component”

- a) In the 54th TCC and 57th SRPC meetings held on 16.03.2026 and 17.03.2026 it was concluded that the implications of recommending all HVDCs as part of National Component may be studied in CCM and recommendations may be discussed in next TCC/SRPC Meetings. The matter was deliberated in 66th Commercial Sub Committee Meeting held on 08.05.2026, TNPDC stated that, based on the suggestion of the forum to examine the financial implications of the proposal along with the future transmission system, detailed case studies had been carried out for both the present scenario and the 2030–31 scenario, duly considering the tentative tariff of all proposed HVDC systems, including the Talcher–Kolar HVDC refurbishment. It was observed that there would be huge financial implications for SR beneficiaries if the waiver of transmission charges for RE projects is not withdrawn. Under these circumstances, it was requested to defer consideration of the proposal for declaring all

HVDC systems under the National Component. After deliberation, it was agreed that the matter would be further discussed in a subgroup of states/UT under TNPDCCL.

- b) Subsequently TNPDCCL vide mail dated 08.07.2026 had furnished the details to all the States/UT. As decided in the 66th CCM held on 08.05.2026, it was agreed that the issue of significant financial implications for the Southern Region beneficiaries arising from the continued waiver of transmission charges for Renewable Energy (RE) projects would be deliberated further by a subgroup of States/UTs under the coordination of TNPDCCL. Accordingly, the subgroup meeting was held on 23.07.2026, wherein all the participating States/UTs decided to take up the matter with their respective State Governments and pursue the issue with the Central Government for appropriate consideration. During the meeting, it was concluded all States may also take up at Government-to-Government level. The following was requested by States to take up:

- (1) National Component Status for Raigarh–Pugalur–Thrissur HVDC System
- (2) Regional Component-based Allocation for Future RE-linked HVDC Systems
- (3) Review of the ISTS Transmission Charge Waiver Framework

- c) The matter was deliberated in 57th TCC & 58th SRPC meetings held on 24.07.2026 & 28.07.2026 respectively.

➤ *For the information.*

22. Interim Stay on Regulation of CERC DSM Regulations 2024 w.e.f 01.04.2026

- a) NSEFI and other Renewable Generating Companies have obtained an interim order from the Hon'ble High Court of Karnataka, vide Order dated 27.04.2026 in Writ Petition No. 13260 of 2026, whereby the operation of Regulations 6(2)(b) and 8(4) of the CERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2024 has been stayed, with a direction to continue the earlier DSM framework for the petitioners. Accordingly, NSEFI has requested that DSM account statement to be issued in accordance with the provisions of the CERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2014.
- b) NTPC Green Energy Ltd. (NGEL), NTPC Renewable Energy Ltd. (NTPC REL), and NTPC Ltd. have filed W.P. (MD) No. 15318 of 2026 before the Hon'ble Madurai Bench of the High Court of Madras, challenging Regulations 6(2)(b) and 8(4) of the CERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2024. Vide interim order dated 08.06.2026, the Hon'ble Court directed that the petitioners shall continue to be governed by the earlier DSM framework and stayed the enforcement of the aforesaid regulations until the next date of hearing. Accordingly, the petitioners have requested revision of the DSM accounts for energy supplied in accordance with the interim order of the Hon'ble Court.
- c) M/s. IRCON Renewable Power Limited has obtained an interim order from the Hon'ble High Court of Karnataka in W.P. No. 20468/2026, vide Order dated 08.07.2026, following the interim order dated 27.04.2026 passed in W.P. No. 13260/2026. The Hon'ble Court directed that the petitioner shall continue to be governed by the earlier DSM framework and kept the operation of Regulations 6(2)(b) and 8(4) of the CERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2024 in abeyance until further orders. Accordingly, M/s. IRCON Renewable Power Limited has requested revision and re-issuance of the DSM Account Statements in accordance with the directions of the Hon'ble Court.

➤ *For the information.*

23. Final SOP/ Guidelines for diversion of RPC approved Spare Transformers and Reactors to the constituents / State Transmission Utilities

NRPC/SRPC SOPs were discussed in 66th CCM and OCC Meetings and consolidated comments were communicated to NPC. Further NPC, CEA had furnished the consolidated SOP which would be taken to next NPC meeting.

➤ *For the information.*

24. Unified Accounting Software (UAS) for RPCs and NPC

- a) PSDF grant for implementation of 'Unified Accounting Software for RPCs and NPC (Proposal no. 481) amounting to Rs. 31.298 crores (including GST) were sanctioned by the Ministry of Power vide its letter dated 03.07.2025. The grant shall be governed as per the guidelines/procedures for funding from PSDF. Accordingly, any expenditure beyond Rs. 31.298 crore is to be provided by RPCs from their own resources.
- b) The project includes a one-year warranty and six years of Extended Technical Service (ETS), with the additional two years of ETS estimated to cost ₹3.17 crore. Further, based on CSIRT-Power recommendations, a Web Application Firewall (WAF) has been incorporated into the DC-DR architecture to strengthen cybersecurity, resulting in an additional cost of about ₹1.35 crore.
- c) Seven nos. of bids have been received on GeM till tender opening date against the tender for implementation of the UAS and are under evaluation by the committee. Committee members may examine the bids and take appropriate action accordingly.
- d) Phase-II has been proposed, several operational modules have been identified, including LGBR, power supply position, transmission and generator outage planning, protection audit, communication audit, protection setting approvals, and protection data management, which may be taken up after the go-live of the core accounting modules. The matter was deliberated in 17th NPC meeting, it was decided that the implementation modalities of the LGBR, Power Supply Position, and generator/transmission outage planning modules may be deliberated and finalized in the Operation Sub-Group of NPC and submitted in the next NPC meeting for approval for implementation under phase-II of Unified Accounting Software.

➤ *For the information.*

25. Adoption of a uniform accounting methodology for Transmission Deviation Charges (RTDA) across RPCs for QCA

- a) The matter was deliberated in the Commercial Sub-Group meeting of NPC held on 04.05.2026 to evolve a uniform approach for the computation of RTDA across all regions with respect to QCAs. It was observed that, in the NRPC and SRPC, the Transmission Deviation Charges are being computed separately for each individual generator, whereas in the WRPC, these charges are being computed at the QCA level.
- b) In respect to Transmission Deviation charges, the CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020 and amendment thereof provides that:

“(1) Transmission Deviation, in MW, shall be computed as under: (a) For a generating station including ESS and captive generating plant, transmission deviation shall be net metered ex-bus injection, in a time block in excess of GNA of such entity:

.....

- c) The matter was discussed again in the Commercial Sub-Group meeting of NPC held on 29.06.2026. During the discussion, it was opined that the clarification needs to be obtained from CTUIL as well as QCA. Further, the agreement between QCA and the RE generators contains provision for settlement of bills/accounts pertaining to DSM only.
- d) After deliberations, it was opined that the RTDA may be issued at the QCA level instead of to the individual Generating Entities. Accordingly, it shall be the responsibility of the respective QCA to ensure that the actual generation at the ISTS level remains within the available GNA and deemed T-GNA. Further, the payment of RTDA charges, wherever applicable, shall be settled by the respective QCA with CTUIL.
- e) It is also informed that, as per Annexure-6 of the Electricity Grid Code (IEGC), 2023, titled *"Procedure Specifying Data, Forecasting and Scheduling for Renewable Energy Generating Stations (REGS) at the Inter-State Level," and the Detailed Procedure for Metering, Accounting and Scheduling of Entities issued under Regulations 5.6, 17.3, and 39.2 of the GNA Regulations, the Qualified Coordinating Agency (QCA), on behalf of the generating stations it represents, or the Lead Generator, shall undertake technical coordination among the generators connected to a pooling station. The QCA/Lead Generator shall also be responsible for metering, data collection, data transmission, scheduling, accounting, and coordination with RLDC, SLDC, RPC, CTU, and other concerned agencies in accordance with the IEGC and the extant CERC Regulations. In this regard, SRPC Secretariat vide mail dated 29.06.2026, sought the inputs from QCA in Southern Region."*
- f) Manikaran Analytics Limited, vide email dated 16.07.2026, conveyed its acceptance of the issuance of RTDA at the QCA level. It was also informed that data collection, scheduling, accounting, and coordination with RLDC, SLDC, RPC, and CTU are carried out by the QCA (Manikaran), while telemetry/data transmission is performed directly from the substation level.
- g) Further, the matter would be placed before the forthcoming NPC meeting for further discussion and finalization.

➤ **For the information.**

26. Special Meetings held

- a) A special meeting of stakeholders to discuss the Draft Guidelines for Battery Energy Storage Systems (BESS) was conducted in hybrid mode on 15.05.2026, at Moolamattom, Idukki.
- b) DP&T Division, CEA convened a meeting under Chairmanship of Member (GO&D) on 13th May 2026 to discuss the DC Meter requirements for Solar & BESS projects. In the meeting, it was decided that NPC after consultation with all RPCs and other stakeholders may specify the requirements of DC meters for energy accounting and scheduling purposes.
- c) The 5th Meeting of the Renewable Energy (RE) Sub-Committee was held on 24.06.2026.

- d) A Special Meeting among SRPC Secretariat and SRLDC was held on 19.05.2026 at SRPC, Bengaluru to deliberate on the implementation of the Karnataka High Court interim Order dated 27.04.2026 passed in Writ Petition No. 13260 of 2026 regarding the DSM accounting.
- e) A meeting of Secretaries of NRPC, WRPC and SRPC was held 03.06.2026 to discuss the implementation of interim order dated 27.04.2026 passed by the Hon'ble Karnataka High Court in Writ Petition No. 13260 of 2026.
- f) TNPDC vide dated 23.07.2026 convened a meeting to deliberate on the matter of declaring all HVDC systems under the National Component was held on.
- g) A Special Meeting was held on 28.07.2026 to discuss the scheduling aspects for KKNPP Unit-3 & 4. Record Notes is enclosed at **Annexure-26**.

➤ **For the information.**

27. SRLDC Agenda – For information of Members

- a) Timely submission of Weekly Metering Data to SRLDC.
- b) Deviation & Ancillary Service Pool Account status is being updated in Grid India website under Market Operation section. Link is <https://posoco.in/en/market/deviation-ancillary-service-pool-account-status/>
- c) Net Deviation & Ancillary Services Pool Account Deficit statements are uploaded in Grid India website under Market Operation section. Link is <https://posoco.in/en/market/english-net-deviation-ancillary-services-pool-account-deficit-statement/>
- d) NCLT Entities Outstanding DSM Charges to DSM pool account as on 30.07.26 is as below:

Entity (NCLT)	POST NCLT PERIOD	PRE NCLT	Post NCLT up to CIRP/ Liquidation/ Take over by New Entity	Total payable to the Pool	Remarks
Lanco Stage II	24-04-2019	₹ 4,22,080	₹ -65,138	₹ 3,56,942	NCLT process for Lanco Stage 2 is completed vide NCLT order dated 23.06.2023. Lanco Stage 2 Plant is taken over by M/s Radha Smelters Private Ltd However, company name Lanco is retained. For Lanco Stage 3 sale certificate issued to M/s MCM Pacific.
Lanco Stage III	24-04-2019	₹ 91,789	₹ 0	₹ 91,789	
Meenakshi Ph 1	07-11-2019	₹ 1,57,04,380	₹ -4,23,193	₹ 1,52,81,187	NCLT process is completed vide NCLT order dated 10.08.2023. Plant is taken over by M/s Vedanta Limited
Meenakshi Ph 2	07-11-2019	₹ 74,65,156	₹ 0	₹ 74,65,156	
Coastal Energen Private Limited	04-02-2022	₹ 1,40,52,566	₹ -1,21,118	₹ 1,39,31,448	NCLT process is completed vide NLCT order 30.08.2024 Plant is taken by “Moxie Power Generation Limited” which is owned by Dickey Alternative Investment Trust in consortium with Adani Power Limited. Amount of Rs 3027/- was paid by RP.
Simhapuri Energy	27-06-2020	₹ 88,20,384	₹ -72,153	₹ 87,48,231	NCLT process is completed vide NCLT order dated 20.03.2023.

					Plant is taken over by M/s Jindal Power Ltd and Simhapuri Energy Limited is amalgated with M/s Jindal Power Ltd
Grand Total		₹ 4,65,56,355	₹ -6,81,602	₹ 4,58,74,753	

a. SEMs to be installed by RSOPL:

An online meeting was convened on 7th November 2024 at 14:30 hrs to discuss metering and accounting of Renew Surya Ojas Private Limited (RSOPL) (WS with ESS). During the meeting RSOPL confirmed the number of feeders and confirmed that main meters are available at all feeders at 33kV level, whereas, check meters/ stand by meters are not available. SRPC pointed out that since main meters at 33kV are required for accounting purpose, RSOPL needs to provide check meters at 33kV feeders. It was also noted that meters are required on HV side and LV side of all 220/33kV PTRs at RSOPL SS. RSOPL was requested to explore the possibility of the same. Further the accounting philosophy was provisionally approved by SRPC.

➤ *For the information.*

28. Regulations /Rules/Guidelines

- ❖ MoP extended timeline for submission of FY 2024–25 Renewable Consumption Obligation (RCO) compliance details by two months, up to 31.05.2026, considering requests from obligated entities.
- ❖ Ministry of Power, vide letter dated 22.06.2026, sought comments on the draft National Electricity Data Sharing Framework within 30 days, i.e., by 21.07.2026. The framework aims to enable secure, structured, and non-discriminatory sharing of electricity sector data for planning, operations, regulation, and research; standardize dataset classification; establish a transparent institutional mechanism for implementation, including principles for data classification and fee determination; ensure anonymization and de-identification of consumer-related or personally identifiable data before sharing; facilitate interoperable data sharing with allied sectors and compatibility with the India Datasets platform (data.gov.in); and enable data sharing with third-party service providers through a consent mechanism aligned with the India Energy Stack or similar framework.
- ❖ CEA had released the report of the workshop titled “SHANTI Act, 2025: Enabling India’s 100 GW Nuclear Power Roadmap through Public–Private Partnership” on 11.05.2026.
- ❖ CEA, vide document dated 12.05.2026, issued the draft framework on "*Need for National Framework for Rationalizing Fixed Charges and Tariff Redesign*" to address the evolving financial challenges of DISCOMs.
- ❖ CEA published the National Generation Adequacy Plan (2026–27 to 2035–36) to assess the optimal generation mix required to meet the projected electricity demand over the next ten years, based on various technical and financial assumptions pertaining to different generation technologies.
- ❖ Transmission Plan for Integration of over 900 GW Non-Fossil Fuel Capacity by 2035–36 was issued by CEA.

- ❖ CEA notified Central Electricity Authority (Measures relating to Safety and Electric Supply) Amendment Regulations, 2026. They shall come into force on 1st April, 2027.
- ❖ CEA, vide document dated 12.05.2026, issued the draft framework on "Need for National Framework for Rationalizing Fixed Charges and Tariff Redesign" to address the evolving financial challenges of DISCOMs. The framework proposes phased enhancement of fixed charge recovery, standardized two-part tariffs, uniform billing demand methodology, adoption of kVAh billing, separate tariff categories for net metering consumers, and introduction of standby charges for open access and captive consumers.
- ❖ Central Electricity Authority, vide letter dated 29.05.2026, has constituted a Standing Committee on Renewable Energy (RE) Integration to address issues related to the integration of variable renewable energy sources into the power system.
- ❖ CEA, vide communication dated 29.06.2026, have published, Report on Phase-II of the National Workshop on Renewable Energy Integration through Energy Storage Systems.
- ❖ CEA invited comments on the DC Meter requirements for Solar & BESS projects circulated on 11.06.2026, with comments invited from the stakeholders.
- ❖ Procedure for consideration of Partial Outage under DSM Account, SRPC requested the comments from stakeholders with comments invited up to 10.07.2026.
- ❖ CEA vide letter dated 06.07.2026 issued advisory for distribution utilities for prevention of load shedding during peak demand periods and improving the reliability of power supply.
- ❖ Central Electricity Regulatory Commission notified the following:
 - i. CERC has issued the Draft CERC (Deviation Settlement Mechanism and Related Matters) (Third Amendment) Regulations, 2026 vide notice dated 26.05.2026 for stakeholder consultation.
 - ii. CERC has issued the Draft CERC (Connectivity and General Network Access to the Inter-State Transmission System) (Fourth Amendment) Regulations, 2026 vide notices dated 20.05.2026 & 22.06.2026, inviting stakeholder comments.
 - iii. CERC notified the Central Electricity Regulatory Commission (Sharing of interstate Transmission Charges and Losses) (Fifth Amendment) Regulations, 2026 and sought comments from Stakeholders.
- ❖ CTUIL issued a public notice dated 23.06.2026 Draft Detailed Procedure for Connectivity and GNA for Cross Border Trade of Electricity formulated in terms of Regulation 33A of the Central Electricity Regulatory Commission (Cross Border Trade of Electricity) Regulations, 2019. Last date for submission of the comments/suggestions/objections is 08.07.2026.
- ❖ CTUIL vide letter dated 26.06.2026 issued advisory to TSPs regarding Instructions for Handling Force Majeure (FM) and Change in Law (CIL) Events.
- ❖ NLDC invited comments on the Procedure for verification of captive status of a power plant where a captive power plant and its captive user(s) are located in more than one State circulated on 01.06.2026, with comments invited up to 30.06 .2026.

- ❖ **New SRPC Website** has been made operational, with all agenda notes, minutes of meetings, reports, circulars, and other documents being uploaded from May 2026 onwards. Constituents were requested to access the new website, update their records accordingly, and disseminate the information within their respective organizations. The new website can be accessed at www.srpc.gov.in.

29. Date & Venue of the Next Commercial Sub-Committee Meeting

Date & Venue of the 68th meeting of Commercial sub-committee will be intimated in due course.
