E-mail/Website

भारतसरकार केंद्रीय विद्युत प्राधिकरण **दक्षिण क्षेत्रीय विद्युत समिति** 29, रेस कोर्स क्रास रोड बेंगलुरु-560 009	सत्यमेव जयते	Government of India Central Electricity Authority **Southern Regional Power Committee** 29, Race Course Cross Road Bengaluru - 560 009	सुरक्षा है जहां सुविधा है वहां Suraksha SHAKTI
Web site: www.srpc.kar.nic.in	Email: seprotnsrpc-ka@nic.in	Phone: 080-22287205	
सं/No. SRPC/SE (PC&SS)/148PCSC/2026/4979-5024		दिनांक /Date 27th October 2026	

To,

संलग्न सूची के अनुसार

As per attached List

विषय/ Sub: संरक्षण समन्वय उपसमिति की **148** वी बैठक की कार्यसूची/

Agenda – The 148th Meeting of Protection Co-ordination Sub-Committee – reg.

महोदय/महोदया/ Sir/ Madam,

आपको सूचित किया जाता है कि दिनांक **05 नवंबर 2025 के प्रात: 10.00 बजे**, **वीडियो सम्मेलन** से होनेवाली संरक्षण समन्वय उपसमिति की **148** वी बैठक की कार्य सूची को द.क्षे.वि.स. के वेबसाईट (http://www.srpc.kar.nic.in) में अपलोड कर दिया गया है।

It is informed that the Agenda for the 148th Meeting of Protection Coordination Sub Committee (PCSC) scheduled to be held on **05th November, 2026 at 10:00hrs** through VC, is uploaded on the SRPC Website (http://www.srpc.kar.nic.in).

संरक्षण समन्वय उपसमिति के सभी सदस्य/ नामित व्यक्ति से अनुरोध है कि बैठक में भाग लें।

The Protection Coordination Sub-Committee Members / Nominees are requested to kindly make it convenient to attend the PCSC-148 meeting.

भवदीय/Yours faithfully,

धन्यवाद / Thanking You,

Malini 27/10/2026

(एन एस मालिनी / N S MALINI)

अधीक्षक अभियंता (पीसी&एसएस)/ Superintending Engineer (PC&SS)

डाक-सूची/ Mailing List

1. मुख्यअभियंता (एचपीसीवजलपरियोजना) एपीजेनको, 4 वी मंजिल, गुणदल, विजयवाडाआंप्र 520004/ Chief Engineer (Generation), APGENCO, 4th Floor, Vidyut Soudha, Eluru Road, Gunadala, Vijayawada, AP – 520004
2. मुख्यअभियंता (परियोजना), एपीजेनको, 4वींमंजिल, गुणदल, विजयवाडाआंप्र 520004 / Chief Engineer (Projects), APGENCO, 4th Floor, Vidyut Soudha, Eluru Road, Gunadala, Vijayawada, AP – 520004
3. मुख्यअभियंता(आईपीसीवविद्युतप्रणाली), एपीट्रान्स्को, 3रीमंजिल, गुणदल, विजयवाडाआंप्र 520004 / Chief Engineer (IPC & Power Systems), APTRANSCO, 3rd Floor, Vidyut Soudha, Eluru Road, Gunadala, Vijayawada,AP-520 004
4. श्री के लिंगमूर्ती, महा प्रबंधक (QC & Planning), एपीसीपीडीसीएल, विजयवाडा / Sh. K Linga Murthy, General Manager (QC & Planning), APCPDCL, Vijayawada
5. मुख्यअभियंता (इले. डिज़ाईन), केपीसीएल, बेंगलूर/ Chief Engineer (Ele. Designs), KPCL, Bangalore
6. मुख्य अभियंता (आरटी और आर &डी), केपीटीसीएल, बेंगलूर/ Chief Engineer (RT and R&D), KPTCL, Bangalore
7. मुख्यअभियंता (एम.टी.एस), टैनजोडको पैन्नै/ Chief Engineer (MTS), TANGEDCO, Chennai (Fax No: 044-28585804)
8. मुख्य अभियंता (जलविद्युत) टैनजोडको चैन्नै/ Chief Engineer (Hydro), TANGEDCO, Chennai (Fax No: 044-28553356)
9. मुख्यअभियंता (संरक्षणएवंसंचार), टीएनईबी, चेन्नै/ Chief Engineer (Protection & Communication), TANTRANSCO, Chennai
10. मुख्यअभियंता (पारेषण) प्रणालीप्रचालन, एचएमटीकालोनी, केएसईबी, कलमस्सेरी-683503/ Chief Engineer (Transmission) System Operation, HMT Colony, KSEB, Kalamassery-683503
11. मुख्य अभियंता (उत्पादन), टीएसजेनको, हैदराबाद/ Chief Engineer (Generation), TGGENCO Hyderabad
12. मुख्य अभियंता (परियोजना), टीएसजेनको, हैदराबाद / Chief Engineer (Projects), TGGENCO Hyderabad
13. मुख्य अभियंता (विद्युतप्रणाली), टीएसट्रान्स्को, हैदराबाद / Chief Engineer (Power System), TGTRANSCO, Hyderabad
14. श्री पी आनंद, मुख्य महा प्रबंधक, आर आर जोन, टीएसएसपीडीसीएल, हैदराबाद / Shri. P. Anand, Chief General Manager, RR Zone, TGSPDCL, Hyderabad.
15. अधीक्षक अभियंता-1, विद्युतविभाग 137, एनएससीबोससाले, पुदुचेरी- 605001 / Superintending Engineer 1, Electricity Department, 137, NSC Bose Salai, Puducherry-605001
16. महाप्रबंधक (ओएस), एनटीपीसी, दक्षिणक्षेत्रीयमुख्यालय, सिकंदराबाद / General Manager (OS), NTPC SRHQ, Secunderabad
17. मुख्यमहाप्रबंधक टीपीएस- विस्तार, एनएलसीआईएल जैवेली / 607807 - Chief General Manager, TPS 1 Expn. NLCIL, Neyveli-607807 (Fax No: 04142-265303)
18. मुख्यअभियंता (पारेषण) एनपीसीआईएल, मुंबई Chief Engineer (Transmission), NPCIL, Mumbai.
19. केंद्रनिदेशक, केजीएस, कैगा, कर्नाटक/ Station Director, KGS, Kaiga, Karnataka
20. केंद्रनिदेशक, एमएपीएस, कल्पक्कम / Station Director, MAPS, Kalpakkam
21. केंद्रनिदेशक, केकेएनपीपी, तिरुनल्वेली जिला, तमिलनाडु - 627106/ Station Director, KKNPP, Tirunelveli Dist,TamilNadu-627106
22. श्रीअनिलकुमार, एजीएम (ईएमडी), एनटीईसीएल, चेन्नै- 103/ Sh. Anil Kumar, AGM (EM), NTECL, Vallur, Tamil Nadu.
23. श्रीएमप्रभाकर, महाप्रबंधक (प्रवअ), एनटीपीएल, हार्बरएस्टेट, तूतुकुडी 628004 / Sh. M. Prabhakar, GM (O&M), NTPL, Harbour Estate, Tuticorin – 628004
24. जीएम (प्रचावअनु) दक्षे, पावरग्रिड सिकंदराबाद / GM (O&M), SR-I, PGCIL, Secunderabad
25. जीएम (प्रचावअनु) दक्षे-II, पावरग्रिड, बेंगलूर GM (O&M), SR-II, PGCIL, Bengaluru
26. Sh.Sourov Chakraborty, Sr. GM, CTU, Plot No. 2, Sector-29, Gurugram, Haryana-122 001.
27. श्री चंद्रशेखर रेड्डी, डीजीएम, इलेक्ट्रिकल मेंटेनेंस, मेसर्स जेएसडब्ल्यू एनर्जी लिमिटेड, तोरणगल्लु, बल्लारी- 583275/ Sh. Chandrashekar Reddy, DGM, Electrical Maintenance, M/s JSW Energy Ltd, Toranagallu, Bellary-583275

28. श्री आशीष वाविस्कर, सह महाप्रबंधकयूपीसीएल, बेंगलूर Sh. Ashish Baviskar, Associate General Manager, UPCL, Bangalore
29. प्रधानविदयुतएवंसीआईअनुरक्षण, एसईआईएल, प्यानपुरम / नेलत्तूरुग्राम, मुतुकूरमंडल, एसपीएस आरनेल्लूर- 524344/ Head Electrical and C&I Maintenance, SEIL, Pyanampuram / Nelaturu Village Muthukur Mandal, SPSR Nellore 524344
30. श्री. के बालमुरुगन, रखरखाव प्रमुख, आईएलवएफएस, टीपीसीएल, सीपदुपेटैडाक, परनगीपेट्टे, भुवनगिरिताल्लूक, कुडलूरजिला, तमिलनाडु 608502/ Sh. K Balamurugan, Maintenance Head, IL&FS Tamilnadu Power Company Ltd., C.Pudhupettai (post), Parnagipettai, BhuvanagiriTaluk, Cuddalore Dist, Tamilnadu- 608502
31. श्री सी रामकृष्ण, एजीएम (ऑपरेशन), हिंदुजाएनपीसीएल, पेटगंट्यडमंडल, विशाखपट्नम, आप 530031 / Sh. C Ramakrishna, AGM (Operations), Hinduja NPCL, Pedagantyada Mandal, Visakhapatnam, AP – 530031.
32. श्री विवेक कार्तिकेयन सहायक महाप्रबंधक, महेश्वरम ट्रांसमिशन लिमिटेड (एमटीएल), 101, विंडसर, सीएसटी रोड, सांताक्रूज़ ईस्ट, मुंबई400098/ Sh. Vivek Karthikeyan Assistant General Manager, Maheshwaram Transmission Limited (MTL), 101, Windsor, CST Road, Santacruz East, Mumbai 400098
33. निदेशक (जीएम), केविप्रा, नईदिल्ली / Director (GM Division), CEA, New Delhi
34. निदेशक (एनपीसीप्रभाग), केविप्रा, नईदिल्ली / Director (NPC Division), CEA, New Delhi
35. कार्यकारीनिदेशक, पोसोको, एसआरएलडीसी, बेंगलूर Executive Director, SRLDC, Grid-India, Bengaluru
36. Manager, Electrical-HOD, SEPC Power Plant, Harbour Estate, VOC Road, Thoothukudi, Tamil Nadu– 628 004
37. Technical Services Superintendent, Prototype Fast Breeder Reactor Project, BHAVINI, Kalpakkam 603 102
38. सहायक महाप्रबधक, महेश्वरम ट्रासषमशि कपिी षलषमटेड, मबई/ Head Regulatory, Adhani Energy Solutions Ltd.,Ahmedabad
39. वररष्ठषिदेशक ,एएमपीआईए एिजी माकटसइषडया प्राइवेटषलषमटेड/ Senior Director , AMPIN Energy Markets India Pvt. Ltd.
40. मुख्य महाप्रबन्धक, संचालन एवं अनुरक्षण, ए.पी.एस.पी.डी.सी.एल., तिरुपति / Chief General Manager, O&M, APSPDCL, Tirupati
41. निदेशक) तकनीकी(, टी.एन.जी.ई.सी.एल., चेन्नई / Director (Technical), TNGECL, Chennai
42. श्री केचौल्हान राजू ., मुख्य अभियंता -संचालन)II), टीजीएनपीडीसीएल /Sri K. Raju Chowhan, Chief Engineer (Operation-II), TGPNDCL
43. श्री एल .पांड्या, मुख्य अभियंता / आरआर ज़ोन / टीजीएसपीडीसीएल, मीसेवा बिल्डिंग, मंजीरा मॉल के पीछे, केपीएचबी कॉलोनी, फेज-II, हैदराबाद – 500072 / Sri. L. Pandya, CE/RR Zone/TGSPDCL, MeeSeva Building, Backside of Manjeera Mall, KPHB Colony, Phase-II, Hyderabad – 500072
44. श्री रवीन्द्र वल्लूरु, मुख्य महाप्रबंधक, ग्रीनको ग्रुप, हाईटेक सिटी लेआउट, माधापुर, हैदराबाद - 500081, तेलंगाना / Raveendra Valluru, Chief General Manager, Greenko Group, Hitech City Layout, Madhapur, Hyderabad – 500081, Telangana.
45. श्री रविन्द्र नारायण टी., मुख्य महाप्रबंधक, ग्रीनको ग्रुप, हाईटेक सिटी लेआउट, माधापुर, हैदराबाद – 500081, तेलंगाना / Ravindra Narayana T., Chief General Manager, Greenko Group, Hitech City Layout, Madhapur, Hyderabad – 500081, Telangana.
46. महाप्रबंधक (स्टेट लीड-एसेट मैनेजमेंट), रिन्यू पावर प्राइवेट लिमिटेड, गुरुग्राम / GM (State Lead–Asset Management), Renew Power Private Limited, Gurugram (manjunatha.h@renew.com, padmanava.swain@renew.com)

मेसर्स सुजलॉन एनर्जी लिमिटेड, नई दिल्ली / M/s Suzlon Energy Limited, New Delhi

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SOUTHERN REGIONAL POWER COMMITTEE

BENGALURU

Agenda for the 148th Meeting of Protection Coordination Sub-Committee of SRPC scheduled on 05.11.2026 through VC.

1. Introduction

The 148th Meeting of the Protection Coordination Sub-Committee of SRPC is scheduled to be held on 05th November 2026 at 10:00 AM **through VC.**

2. Confirmation of Minutes of last PCSC meeting

Minutes of 147th Protection Coordination Sub-Committee meeting held on 05th October 2026 was issued vide letter No: SRPC/SE (P, C & SS)/147PCSC/2026/ 4930-976 dated 23rd October 2026.

Minutes of the Meeting may be confirmed.

3. Uniform Anti-Islanding Protection Philosophy for Connected RE Plants and Inclusion of RE Generation in Islanding Schemes

The report on **"Uniform Anti-Islanding Protection Philosophy for Connected RE Plants and Inclusion of RE Generation in Islanding Schemes,"** (**Annexure-3**) was deliberated during the 18th NPC meeting.

The Chairperson, CEA/NPC, advised that the report may be discussed in the respective RPC Sub-Committees and that any observations may be forwarded to RPT Division, CEA.

In this regard, all concerned utilities / stake holders are requested to **examine the report and furnish their comments/observations, particularly on the technical challenges, feasibility of including RE generation in existing islanding schemes, anti-islanding protection requirements, and suggested remedial measures**, for consolidation at SRPC.

- ***SRLDC to give their presentation on the anti-Islanding report along with suggestions.***
- ***The agenda item may be deliberated***

4. Non-Availability of Dual HT Supplies At Substations

As per Part III, Clause 6 – Power Supply to Sub-Station Auxiliaries of the CEA Technical Standards for Connectivity to the Grid Regulations, 2007, the AC auxiliary power supply arrangements for new substations shall be as follows:

Voltage Level	Requirement for AC Auxiliary Power Supply
220 kV and above	Two HT supplies shall be arranged from independent sources, with one supply serving as standby to the other. In addition, an emergency supply from a diesel generator (DG) of suitable capacity shall be provided.

66 kV and above but below 220 kV	One HT supply and one diesel generating source shall be provided.
33 kV and above but below 66 kV	One HT supply shall be provided.

It has been observed that several Renewable Energy (RE) substations and some STU and POWERGRID substations do not have dual HT supplies from independent sources for meeting their auxiliary power requirements.

In the case of RE substations, the remote locations of the plants often pose challenges in arranging HT supplies from distribution utilities (DISCOMs). However, the requirement for dual HT supplies from independent sources, wherever applicable, is stipulated under the above-mentioned Regulations.

- ***The forum may deliberate on the non-availability of the required auxiliary power supply arrangements, particularly at RE substations, and suggest suitable measures to ensure compliance with the applicable regulatory requirements.***

5. Alternate Path for TELE - PROTECTION

As per Clause 48(V)(b) of the CEA Technical Standards for Construction of Electrical Plants and Electric Lines, ***the primary path for tele-protection shall be through point-to-point Optical Ground Wire (OPGW), and the alternate path shall be either through Power Line Carrier Communication (PLCC) or predefined physically diversified OPGW paths***.

Further, Clause 48(V)(d) stipulates that the ***protection system for transmission lines of 400 kV and above, including line compensating equipment, shall have 100% backup communication channels, comprising two tele-protection channels in addition to one speech and data channel for each direction. For 220 kV, 132 kV, 110 kV and 66 kV lines, the speech and data channel may also be used for tele-protection.***

Further, as per Clause 48(V)(e), ***the generating company and the transmission licensee(s) at both ends of the substation or switchyard shall coordinate with each other and ensure compatibility of the OPGW and PLCC equipment at their respective ends.***

It has been observed that several substations do not have an alternate communication path for tele-protection and required number of backup communication channels, as required under the applicable provisions of the above-mentioned Regulations.

For the cases of radial substations and Renewable Energy (RE) stations having only one source of connectivity, the alternate tele-protection path may be established through PLCC, with OPGW as the primary path, wherever technically feasible and in accordance with the applicable regulatory requirements.

In view of the above, the concerned utilities are requested to review the existing tele-protection communication arrangements, identify substations where alternate paths are not available, and take necessary action to ensure compliance with the applicable provisions of the CEA Technical Standards for Construction of Electrical Plants and Electric Lines. The issue may be deliberated, and the utilities may furnish the implementation status along with the proposed timeline for compliance.

- ***All utilities to update the status of Tele protection.***

6. Implementation of Travelling Wave Fault Locator (TWFL) on Critical Transmission Lines

During the 18th Meeting of the National Power Committee (NPC) held on 18.09.2026 at Rajgir, Bihar, the following decisions were taken regarding the implementation of Travelling Wave Fault Locators (TWFLs) on critical transmission lines:

1. The recommendations of the Committee on Guidelines/Procedure for implementation of TWFL technology shall be deliberated upon at the respective RPC/Sub-Forum level.
2. The provision for TWFL implementation shall be incorporated in the technical specifications of the RFPs for new transmission lines.
3. RLDCs shall identify existing critical transmission lines in their respective regions for TWFL implementation based on system requirements.

In view of the above, all concerned utilities are requested to examine the Committee report on Guidelines/Procedure for implementation of TWFL technology, enclosed at **Annexure-6**, and furnish their comments/suggestions along with details of critical existing transmission lines identified for priority implementation in the Southern Region.

SRLDC is requested to identify and furnish the list of critical transmission lines in the Southern Region for priority implementation of TWFLs to the PCSC forum.

Action required:

- ***SRLDC to furnish the list of critical transmission lines identified for TWFL implementation in the Southern Region.***
- ***The recommendations of the Committee on Guidelines / Procedure for implementation of TWFL technology may be deliberated.***

7. Protection Philosophy for RE Plants

During the 18th Meeting of the National Power Committee (NPC) held on 18.09.2026, it was decided that the Protection Philosophy for RE Plants, prepared by NRPC, shall be deliberated in the respective RPC Sub-Committees. The comments/inputs received from all RPCs shall thereafter be examined by the Protection Sub-Group of NPC for consideration at the national level, and the revised Protection Philosophy shall be placed before the next NPC Meeting for consideration and approval.

Accordingly, the Protection Philosophy for RE Plants (**Annexure - 7**) was circulated to the SR-PCSC, SR-PSSG and SR-RE members for examination and submission of comments/inputs by **31.10.2026**. The document was also referred to the SRLDC Protection Team for its comments/inputs within the stipulated timeline.

The matter is placed before the forum for deliberation, and the members are requested to furnish their comments/inputs for onward submission to the Protection Sub-Group of NPC.

- ***The agenda item may be deliberated.***

8. Grid Occurrences

Grid Occurrences which took place during the period **September 2026 – October 2026,** given at **Annexure-8a**, would be discussed in the meeting.

I. The Grid Disturbances (GDs) [Draft Analysis Reports furnished by SRLDC are at Annexure-8b]:

Name of the Utility who would present the GD in all its details	SN of the GD as per Annexure-8a
SAEL	I.1, I.2, I.15
GRT Jewellers	I.3
APTRANSCO / APGENCO	I.4
AMGEPL_WIND / AMGEPL_SOLAR	I.5
TNPGCL	I.6, I.9, I.11
TGGENCO / KPTCL	I.7
OSTRO_KANNADA	I.8, I.12
Spring_Pugalur	I.10
TANTRANSCO	I.13
APGENCO	I.14
GREENKO	I.16
KSEB	I.17
TANTRANSCO / TNPPGCL	I.18

II. The Grid Incidences (GIs) [Draft Analysis Reports furnished by SRLDC are at Annexure-8b]:

Name of the Utility who would present the GI in all its details	SN of the GI as per Annexure-8a
APTRANSCO	II.1, II.2
APGENCO	II.3
PGCIL SR-1	II.4, II.5
TGTRANSCO	II.6
KPCL	II.7

III. Single/ Multiple Element tripping:

Name of the Utility who would present the GI in all its details	SN of the Single /Multiple tripping as per Annexure-8a
TGTRANSCO	III.1
PGCIL SR-2	III.2, III.7, III.11, III.16
APTRANSCO	III.3, III.4
KLEIO_SOLAR	III.5
KPTCL	III.6, III.10, III.19
TANTRANSCO	III.8, III.13, III.14, III.20
APSPCL	III.9, III.12
TANTRANSCO / TNPGCL	III.15

PGCIL SR-1	III.17
GREENKO	III.18

a) All the Utilities, as listed above, to give a presentation (for not more than 10 minutes per GD; for not more than 5 minutes per GI and Single/ Multiple Trippings) for the Events mentioned against them.

b) The presentation shall cover all pertinent aspects such as Antecedent conditions, Bus-configuration, Reasons of GD/ GI occurrence, Relevant Diagrams showing location of the fault, Bus bar arrangement/configuration of feeders and other connected equipment with proper CB positions (OPEN/ CLOSE) at the time of occurrence of the fault, Type of protections operated, Substantiation of the protections operated by relevant DRs & ELs, Reasons for protection systems mal-operation/non-operation, Remedial measures taken/ proposed, etc.

c) Constituents shall furnish the following details to SRPC by ***01.11.2026*** (in **WORD** format) in respect of all the above grid occurrences (GD, GI) to have fruitful discussions:

(i) Detailed analysis of the events

(ii) SLD or equivalent pictorial representation clearly showing:

a. Location of fault with distance
b. Fault details with type &relay indications
c. CT/PT/CVT rating details with location
d. Bus-bar arrangement/ Configuration of feeders
e. CB positions (OPEN/ CLOSE) at the time of fault
f. Isolator & Earth-switch positions (OPEN/CLOSE)
g. Voltage, frequency & power flows with direction at the time of fault

(iii) Output of Event logger & Disturbance recorder

(iv) Remedial Action(s) taken

(v) Relay setting details

IV. W.r.t. Failure or Non-operation of A/R events included at Item No. IV of Annexure-3a, PLCC mal-operation events included at Item No. V of Annexure-3a and DR Time Synchronization Issues related Events included at Item No. VI of Annexure-3a, the concerned Utilities, as listed below, shall furnish the reasons for the same, along with remedial action taken, to SRPC latest by *01.11.2026* so that the same may be closed. Else, the same shall be presented by respective Utilities in the meeting:

A/R related Events:

Name of the Utility who would present the A/R Event in all its details, if not furnished beforehand	SN as per Annexure-3a
KPTCL	IV.1, IV.4, IV.5 IV.7
TGGENCO	IV.2
TGTRANSCO	IV.3, IV.8, IV.10
NTPC_RSTPS / TGTRANSCO	IV.6
PGCIL SR-2	IV.9
TANTRANSCO	IV.11

PLCC related Events:

Name of the Utility who would present the PLCC Event in all its details, if not furnished beforehand	SN as per Annexure-3a
PGCIL SR-1	V.1, V.2, V.3, V.4, V.5, V.6

DR Time Synchronization Issues related Events:

Name of the Utility who would present the DR Time synchronization Event in all its details, if not furnished beforehand	SN as per Annexure-3a
KPTCL	VI.1, VI.5, VI.6, VI.10, VI.11, VI.12, VI.13, VI.14, VI.21, VI.22, VI.23, VI.26, VI.27, VI.29
GREENKO	VI.2
KPCL	VI.3, VI.28
TGTRANSCO	VI.4
PGCIL SR-2	VI.7, VI.34
Kleio Solar	VI.8
TANTRANSCO	VI.9, VI.30, VI.31, VI.32, VI.33
APGENCO	VI.15
APTRANSCO	VI.16, VI.17, VI.18, VI.24
PGCIL SR-1	VI.19, VI.20
HINDUJA	VI.25

V. ***SRLDC to furnish the PMU plots for all the above Grid Occurrences (GDs, GIs, Single/Multiple Element Trippings, A/R, PLCC Events) with delayed fault clearance to SRPC Secretariat by 01.11.2026.***

9. Status of Implementation of Pending Recommendations of PCSC

a) The status of implementation of PCSC recommendations (**up to 147th PCSC meeting**), have been updated in P-REC Module in PMS suite. List of pending recommendations is at **Annexure-9a**.

b) The latest status on the same may please be sent by ***01.11.2026,*** to place the same before the sub-committee.

c) PCSC had earlier decided to review the status of implementation of the recommendations on the Grid occurrences that were finalized in the previous three PCSC meetings. Hence the recommendations finalized in the 145th to 147th PCSC meeting would be deliberated in the meeting. Details are at **Annexure -9b**.

- ***Entities to update/furnish the status action plan on the PCSC recommendations i.r.o Grid Occurrences analysed in the 145th to 147th PCSC Meetings, through PMS portal.***

- ***Status of the Recommendations that were not complied/updated in the PMS portal would be deliberated in the meeting.***

10. Outage Planning of Protection systems/relays

1. In the 114th PCSC Meeting held on 05.01.2024, the following were noted: The Regulation *32(2)(d)* of CERC (Indian Electricity Grid Code) Regulations 2023, regarding protection systems related outages, stipulates as below:

   Quote

   "Protection relay related outages, auto reclosure outages and SPS testing outages shall be planned on a monthly basis with the prior permission of the concerned RPC, which shall consult the concerned RLDC & NLDC"

   Unquote

2. To comply with the above, it was decided that all entities shall furnish the planned/ annual relay & protection system outage proposals in advance to the forum for approval of the same.
3. The entities are requested to furnish the details in the following format for the scheduled/planned protection systems related outages during the period from 10.11.2026 to 09.12.2026 for approval of PCSC:

S. No	Name of Requesting Agency	Element Name	Voltage level	Relay details	Owner	Reason for the Outage	Outage proposed from	Outage proposed to	Remarks

- ***All entities shall plan the protection system related outages on monthly basis in advance and furnish the same for approval of PCSC.***

11. Proposals of Protection Relay Settings

a) As per the Protection Protocol of Southern Region prepared in compliance with the IEGC Regulations 2023, for voltage levels 400kV & above and interstate lines, entities shall submit the protection settings in advance to SRPC/SRLDC for every new element to be commissioned. The Protection Co-ordination Sub-Committee (PCSC) of SRPC shall review the settings to ensure that they are properly coordinated with adjacent system and comply with the existing guidelines. Also any change in the existing protection settings of the elements, for voltage levels 400kV and above & interstate lines, shall be carried out only after prior approval from the SRPC.

b) As decided in the 112th PCSC Meeting held on 06.11.2023, a Protection Setting Sub-Group (PSSG) was constituted with the members from APTRANSCO, KPTCL, KSEBL, TANTRANSCO, TGTRANSCO, PGCIL SR-I & SR-II, NTPC, SRLDC & SRPC Secretariat. PSSG shall analyse/review the proposed protection settings for new power system elements & revision of settings for existing elements proposed by the entities and shall suggest/recommend the finalized settings to the respective entity. The recommended settings shall be put up to PCSC, in monthly PCSC meetings, for ratification.

c) Following proposals have been received by the PSSG. Proposed relay settings have been circulated among PSSG members through e-mail. The same were reviewed/assessed by PSSG and recommended the protection settings with following observations/suggestions:

PSSG Meeting / Group deliberations			
S No.	**Proposal**	**Proposed Entity**	**Meeting Date**
1	220kV Connectivity to Karinthalam Substation - UKTL	KSEBL	13.10.2026

Observations/Views Received:

PSSG in the meeting held on 13.10.2026 has analysed the proposed settings furnished by KSEBL and concluded that it may implement in compliance with the SR Protection Protocol with following recommendations

Observations on 220kV KASARGOD –KANHIRODE

PSSG had concluded that it may implement in compliance with the SR Protection Protocol with following recommendations and suggestions.

1. 220kV Kanhirode End

PSSG had recommended the following:

1. Zone-4 time setting shall be graded with Zone-2 time setting
2. Time of SOTF function active status after breaker closed in impedance mode may be set to 0.2s.
3. SOTF shall be enabled with a time delay following pole dead detection (typically 110 s or maximum time delay available in relay)

PSSG had Suggested the following:

4. Two high tension (HT) supplies shall be arranged from independent sources. One of the two high tension supplies shall be standby to the other. In addition, an emergency supply from diesel generating (DG) source of suitable capacity shall also be provided

Observations on 220kV KASARGOD – AMBALATHARA

PSSG had concluded that it may implement in compliance with the SR Protection Protocol with following recommendations and suggestions.

1. 220kV AMBALATHARA End

PSSG had recommended the following:

1. Enable the differential protection at both the relay
2. Distance can be implement as backup with respect to differential as primary function
3. Time of SOTF function active status after breaker closed in impedance mode may be set to 0.2s.
4. SOTF shall be enabled with a time delay following pole dead detection (typically 110 s or maximum time delay available in relay)
5. POR communication shall be enabled

PSSG had Suggested the following:

6. Two high tension (HT) supplies shall be arranged from independent sources. One of the two high tension supplies shall be standby to the other. In addition, an emergency supply from diesel generating (DG) source of suitable capacity shall also be provided

Observations on 220kV KASARGOD – MYLATTY

PSSG had concluded that it may implement in compliance with the SR Protection Protocol with following recommendations and suggestions.

1. 220kV MYLATTY End

PSSG had recommended the following:

1. Zone-4 time setting shall be graded with Zone-2 time setting
2. Time of SOTF function active status after breaker closed in impedance mode may be set to 0.2s.
3. SOTF shall be enabled with a time delay following pole dead detection (typically 110 s or maximum time delay available in relay)
4. POR communication shall be enabled

PSSG had Suggested the following:

5. Two high tension (HT) supplies shall be arranged from independent sources. One of the two high tension supplies shall be standby to the other. In addition, an emergency supply from diesel generating (DG) source of suitable capacity shall also be provided

Observations on 220kV KASARGOD – Thalaparamba

PSSG had concluded that it may implement in compliance with the SR Protection Protocol with following recommendations and suggestions.

1. 220kV ThalaparambaEnd

PSSG had recommended the following:

1. Zone-4 time setting shall be graded with Zone-2 time setting
2. Time of SOTF function active status after breaker closed in impedance mode may be set to 0.2s.
3. SOTF shall be enabled with a time delay following pole dead detection (typically 110 s or maximum time delay available in relay)

PSSG had Suggested the following:

4. Two high tension (HT) supplies shall be arranged from independent sources. One of the two high tension supplies shall be standby to the other. In addition, an emergency supply from diesel generating (DG)

2	Request for SRPC approval for relays settings to be adopted at 400kV Dommasandra substation	KPTCL	13.10.2026

Observations/Views Received:

PSSG in the meeting held on 13.10.2026 has analysed the proposed settings furnished by KPTCL and concluded that it may implement in compliance with the SR Protection Protocol with following recommendations

Observations on 400kV DOMAMASANDRA – MYLASANDRA

PSSG had concluded that it may implement in compliance with the SR Protection Protocol with following recommendations and suggestions.

1. 400kV DOMMASANDRA End

PSSG had recommended the following:

1. Time of SOTF function active status after breaker closed in impedance mode may be set to 0.2s.
2. Load enchroacement setting the power factor shall be enabled with 0.866
3. SOTF shall be enabled with a time delay following pole dead detection (typically 110 s or maximum time delay available in relay)
4. For DEF protection, the operating time shall be coordinated with Zone-3 timing for a remote-end bus fault, considering fault current contribution from station end based on system studies.
5. Broken conductor protection shall be enabled for alarm only, with a time delay of 20 seconds
6. Adopt OVR grading as per the SRPC approved gradings
7. Each line or transformer or reactor or any other bay shall be provided with facility for disturbance recording, event logging and Time Synchronizing Equipment and All Disturbance Recording system shall have minimum recording time of 3 seconds (0.5 seconds for prefault and 2.5 seconds for post fault

PSSG had suggested the following:

1. PMU shall be enabled
2. 400kV MYLASANDRA End

PSSG had recommended the following:

1. Time of SOTF function active status after breaker closed in impedance mode may be set to 0.2s.
2. Load enchroacement setting the power factor shall be enabled with 0.866
3. SOTF shall be enabled with a time delay following pole dead detection (typically 110 s or maximum time delay available in relay)
4. For DEF protection, the operating time shall be coordinated with Zone-3 timing for a remote-end bus fault, considering fault current contribution from station end based on system studies.
5. Broken conductor protection shall be enabled for alarm only, with a time delay of 20 seconds
6. Adopt OVR grading as per the SRPC approved gradings
7. Each line or transformer or reactor or any other bay shall be provided with facility for disturbance recording, event logging and Time Synchronizing Equipment and All Disturbance Recording system shall have minimum recording time of 3 seconds (0.5 seconds for prefault and 2.5 seconds for post fault

PSSG had suggested the following:

1. PMU shall be enabled

Observations on 400kV DOMAMASANDRA – KOLAR

PSSG had concluded that it may implement in compliance with the SR Protection Protocol with following recommendations and suggestions.

400kV DOMMASANDRA End

PSSG had recommended the following:

1. Time of SOTF function active status after breaker closed in impedance mode may be set to 0.2s.
2. SOTF shall be enabled with a time delay following pole dead detection (typically 110 s or maximum time delay available in relay)

3. Load encroachment setting the power factor shall be enabled with 0.866
4. For DEF protection, the operating time shall be coordinated with Zone-3 timing for a remote-end bus fault, considering fault current contribution from station end based on system studies.
5. Broken conductor protection shall be enabled for alarm only, with a time delay of 20 seconds
6. Adopt OVR grading as per the SRPC approved gradings
7. Each line or transformer or reactor or any other bay shall be provided with facility for disturbance recording, event logging and Time Synchronizing Equipment and All Disturbance Recording system shall have minimum recording time of 3 seconds (0.5 seconds for prefault and 2.5 seconds for post fault

PSSG had suggested the following:

1. PMU shall be enabled

Observations on 400kV DOMAMASANDRA – SOMMANAHALLY

PSSG had concluded that it may implement in compliance with the SR Protection Protocol with following recommendations and suggestions.

400kV DOMMASANDRA End

PSSG had recommended the following:

1. Time of SOTF function active status after breaker closed in impedance mode may be set to 0.2s.
2. SOTF shall be enabled with a time delay following pole dead detection (typically 110 s or maximum time delay available in relay)
3. Load encroachment setting the power factor shall be enabled with 0.866
4. For DEF protection, the operating time shall be coordinated with Zone-3 timing for a remote-end bus fault, considering fault current contribution from station end based on system studies.
5. Broken conductor protection shall be enabled for alarm only, with a time delay of 20 seconds
6. Adopt OVR grading as per the SRPC approved gradings
7. Each line or transformer or reactor or any other bay shall be provided with facility for disturbance recording, event logging and Time Synchronizing Equipment and All Disturbance Recording system shall have minimum recording time of 3 seconds (0.5 seconds for prefault and 2.5 seconds for post fault

PSSG had suggested the following:

1. PMU shall be enabled

Observations on 400kV/220kV DOMAMASANDRA

PSSG had concluded that it may implement in compliance with the SR Protection Protocol with following recommendations and suggestions.

1. 500 MVA PTR 400kV/220kV AT DOMAMASANDRA END

PSSG had recommended the following:

1. Cross block shall be enabled.
2. The high set time shall be enabled with 50ms
3. The HV overcurrent time setting shall be graded with the downstream side with a sufficient margin of 0.2sec.

4. The HV overcurrent earth fault time setting shall be graded with the downstream side with a sufficient margin of 0.2sec.

2. 400kV BUSBAR AT DOMAMASANDRA END

PSSG had recommended the following:

PSSG had concluded that it may implement in compliance with the SR Protection Protocol

3. 220kV BUSBAR AT DOMAMASANDRA END

PSSG had recommended the following:

PSSG had concluded that it may implement in compliance with the SR Protection Protocol

3	Protection Settings for Review and Comments for FTC of Chitravati PSP Elements	ADANI	13.10.2026

Observations/Views Received:

PSSG in the meeting held on 13.10.2026 has analysed the proposed settings furnished by M/s ADANI and concluded that it may implement in compliance with the SR Protection Protocol with following recommendations

Observations on 400kV/220kV CHITRAVATI

PSSG had concluded that it may implement in compliance with the SR Protection Protocol with following recommendations and suggestions.

1. 306 MVA GT-1,2 400kV/11kV AT CHITRAVATI END

PSSG had recommended the following:

1. The 2nd and 5th harmonic shall be enabled in consultation with OEM
2. The highest time setting shall be enabled with 50ms
3. The backup non-directional overcurrent shall be coordinated with zone-3 time settings

2. 5 MVA ST AT CHITRAVATI END

PSSG had recommended the following:

1. The 2nd and 5th harmonic shall be enabled in consultation with OEM
2. The highest time setting shall be enabled with 50ms
3. The backup non-directional overcurrent shall be coordinated with zone-3 time settings

4	Relay settings at Glvd PSS-2 ICT	APSPCL	13.10.2026 - 14.10.2026

Observations/Views Received:

PSSG in the Group Chat held on 13.10.2026 - 14.10.2026 has analysed the proposed settings furnished by M/s APSPCL and concluded that it may implement in compliance with the SR Protection Protocol with following recommendations

1. 80 MVA PTR 220kV/33kV Gaaliveedu End

PSSG had recommended the following:

1. Modify the Group-A and Group-B protection settings
2. Cross block shall be enabled
3. For REF, Stabilizing resistance calculations current pickup shall be 0.1In of full load current and 20-30% voltage margin to be provided.
4. The REF relay and differential relay shall be enabled in different relay
5. The pickup of differential relay shall be enabled with 0.2PU in recommendation with OEM
6. High set shall be enabled for transformer Over current and Earth fault with 50ms Time delay and Pickup of 1.2- 1.3 times of through fault current of transformer in consultation with OEM.
7. 2nd , 5th Harmonic and cross blocking shall be enabled for Over current and Earth Fault high set protection.

PSSG had Suggested the following:

1. The HV overcurrent shall be enabled with directional overcurrent with direction towards the transformer.

Note: For updation of PDMS, the following PRDC personnel may be contacted:

- Mr Varun S, varun.s@prdcinfotech.com
- Mr Bharath, bharath.b@prdcinfotech.com

d) It was noted in the earlier meetings that several entities were not submitting the Relay settings as per the timeline mentioned in the Protection Protocol. It is reiterated that as per the SR Protection Protocol, the proposed settings shall be submitted by the entity two months in advance.

e) In 118th PCSC Meeting (08.05.2024), it was noted that validity of provisional approval is one month only. Hence the entities whose settings were provisionally approved shall get the final approval of those settings within a months' time, else it would be treated as unapproved settings. Responsibility lies with the entity, if any grid occurrence happens due to unapproved settings. Also, the provisional approval of the settings cannot be given henceforth by PSSG if the complete & relevant files/settings are not submitted for the scrutiny and deliberations of PSSG.

f) SRLDC is requested to ensure the protection settings recommended by PSSG are implemented by the entities during first time energization of the respective elements.

g) All entities are requested to furnish the relay setting parameters in excel format as per the set values in relay. On analysis, it was observed that the excel file data were not matching with the downloaded relay data. PSSG will scrutinize the parameters given in excel files only and it is the responsibility of the entity to kindly ensure the parameter to be set as per the relay data given in excel file and to consider the recommendations/ suggestions specified.

h) During first time energization (FTE) of the respective elements, SRLDC needs to verify the settings implemented by the entities and ensure that the proposed settings as per the excel sheets/computations & the recommendations of PSSG are implemented by the entities.

- ***PCSC forum may review & approve the above proposed protection settings and the respective PSSG Recommendations.***
- ***SRLDC to ensure the implementation of proposed protection settings along with the PSSG recommendations by the entity.***

12. Internal Protection Audit of Sub stations

The Clause (5) of Regulation 15 of IEGC Regulations, 2023 stipulates the following:

Quote

(1) All users shall conduct internal audit of their protection systems annually, and any shortcomings identified shall be rectified and informed to their respective RPC. The audit report along with action plan for rectification of deficiencies detected, if any, shall be shared with respective RPC for users connected at 220 kV and above (132 kV and above in NER).

(2) All users shall also conduct third party protection audit of each sub-station at 220 kV and above (132 kV and above in NER) once in five years or earlier as advised by the respective RPC.

.....

(5) Annual audit plan for the next financial year shall be submitted by the users to their respective RPC by 31st October. The users shall adhere to the annual audit plan and report compliance of the same to their respective RPC."

12.1 Internal Audit Plan 2027-28

1. In accordance with Clause (5) of Regulation 15 of the IEGC Regulations, all entities were requested to submit their Annual Internal Audit Plan for the substations of 220 kV and above voltage level for FY 2027-28 to SRPC.
2. All RE-ISTS entities were requested to update and submit their Internal Audit Plans for FY 2026-27 to SRPC.
3. SRPC, vide e-mail dated 25.09.2026, requested all concerned entities to submit their Internal Audit Plans for FY 2026-27 by 31.10.2026

- ***All Entities are requested to furnish the Internal Audit Plans for 2027-28 Immediately***
- ***SRLDC is also requested to kindly coordinate with all RE-ISTS connected at 220kV & above voltage level in furnishing the audit plans.***

12.2 Internal Audit Report 2026-27

The Summary of Reports Received for Internal audit for FY 2026-27 is as below

Internal Audit reports of STU's & PGCIL

Name of utility	*Q1*		*Q2*		*Q3*	
	No of stations scheduled	*Reports received*	*No of stations scheduled*	*Reports received*	*No of stations scheduled*	*Reports received*

TGTRANSCO	20	11	21	10	46	0
TANTRANSCO	44	32	41	27	21	0
KPTCL	45	45	47	27	42	0
APTRANSCO	41	12	43	16	41	4
KSEBL	9	2	15	4	12	0
PED	0	0	1	1	0	0
PGCIL SR I	7	6	6	2	6	0
PGCIL SR II	8	8	10	7	8	0

Internal Audit reports of Genco's

Name of utility	*Q1*		*Q2*		*Q3*	
	No of stations scheduled	*Reports received*	*No of stations scheduled*	*Reports received*	*No of stations scheduled*	*Reports received*
APGENCO	0	0	8	6	2	0
TGGENCO	0	0	1	0	3	0
KPCL	0	0	0	0	4	0
TNPGCL	2	2	1	0	0	0
TNGECL	0	0	0	0	0	0
NLCIL	0	0	2	0	3	0
STPP	1	0	0	0	0	0
NTECL	0	0	0	0	1	0
NTPL	0	0	0	0	0	0
APSPCL	0	0	0	0	6	0
BHAVINI	0	0	1	0	0	0
KSPDCL	0	0	0	0	0	0
NTPC	0	0	0	0	3	0
NPCIL	0	0	0	0	5	1

Internal Audit reports of Private Genco's, STU & RE-ISTS

Name of utility	**Q1**		**Q2**		**Q3**	
	No of stations scheduled	*Reports received*	*No of stations scheduled*	*Reports received*	*No of stations scheduled*	*Reports received*
SPRNG	0	0	0	0	0	0
AKSHAYA UJRA	0	0	0	0	0	0
APSPCL	0	0	0	0	6	0
HNPCL	0	0	0	0	1	0
SEL	0	0	1	0	0	0
IC&FS	1	0	0	0	0	0
CEPL	0	0	1	0	0	0
AMGEPL	0	0	2	2	0	0
JSWEL	0	0	0	0	2	0
GEENKO	0	0	1	0	1	0
RENEW	0	0	0	0	4	0

STPP	1	0	0	0	0	0
SEIL - 1	0	0	0	0	0	0
UPCL	0	0	1	0	0	0
VENA GADAG	0	0	0	0	1	0
GREENKO AP01	0	0	1	0	1	0
NTPC GREEN	0	0	0	0	0	0
VILATHIKULAM 300kV	0	0	0	0	0	0
VILATHIKULAM 230kV	0	0	0	0	0	0
SAVALAPER	0	0	0	0	0	0
KARUR PS-1	0	0	0	0	0	0
KARUR PS -2	0	0	0	0	0	0
GREEN INFRA RENEWABLE ENERGY LTD	0	0	0	0	0	0
ATHIKINARU	0	0	0	0	0	0
MYTRAH	0	0	0	0	0	0
NNTPS	0	0	0	0	1	0
KARUR (KTL)	0	0	0	0	0	0
WKTL	0	0	0	0	0	0
KLEIO SOLAR PVT LTD	1	1	1	1	0	0
SERENTICA	2	2	0	0	0	0
MEL	4	4	0	0	0	0
TP SOURYA KOPPAL LTD	1	1	0	0	0	0
NLC - TPS -2 EXP	0	0	2	0	0	0
NLC TPS - 1	0	0	0	0	1	0
NLC TPS - 2	0	0	2	0	0	0
TP VARDHAMAN SURYA LTD	1	1	0	0	0	0

- ***SRLDC is also requested to take up with RE ISTS entities regarding Furnishing of Internal audit reports.***

13. Third-Party Protection Audit

The Clause (5) of Regulation 15 of IEGC Regulations, 2023 specifies the following:

Quote

(2) All users shall also conduct third party protection audit of each sub-station at 220 kV and above (132 kV and above in NER) once in five years or earlier as advised by the respective RPC.

.....

(5) Annual audit plan for the next financial year shall be submitted by the users to their respective RPC by 31st October. The users shall adhere to the annual audit plan and report compliance of the same to their respective RPC."

13.1 Third party protection audit plan 2027-28

1. In accordance with the applicable provisions of the IEGC Regulations, all concerned entities were requested to submit their Third-Party Protection Audit Plan for FY 2027-28 for substations of 220 kV and above voltage level to SRPC.
2. All RE-ISTS entities were requested to update and submit their Third-Party Protection Audit Plans for FY 2026-27 to SRPC.
3. SRPC, vide e-mail dated 25.09.2026, requested all concerned entities to submit their Third-Party Protection Audit Plans for FY 2026-27 by 31.10.2026.

13.2 Third Party Protection Audit for FY 2026-27

1. In line with the Clause (5) of Regulation 15 of IEGC Regulations, all entities were requested to submit the annual audit plan for the substations 220 kV and above voltage level for FY 2026-27 to SRPC by **31.10.2025**.
2. The scheduled audits have to be taken up strictly as per the SCTPPA schedule to enable proper monitoring. In the event of extreme exigencies, the audit may be rescheduled as soon as possible, in consultation with the respective auditors and intimate to SRPC.
3. Further it is requested that the SCTPPA auditors shall invariably verify the relay coordination of Distance and Over current and Earth fault protection and PSL logics of relay in the protection audit as it was observed that these are not checked in some of the audit reports.

- ***All Entities are requested to furnish the Third-party Audit Plans for 2027-28 Immediately***
- ***SRLDC is also requested to kindly coordinate with all RE-ISTS connected at 220kV & above voltage level) in furnishing the audit plans.***
- ***All Nodal officers and the audit team members are requested to take measures on immediate basis for initiating the process for the audits scheduled for the period of April 2026 to March 2027.***
- ***All team members of the respective audit team of the Station may coordinate with the respective nodal officers of the station and other team members for carrying out the audit.***

14. Protection Performance Indices

1. As per the Protection Protocol of SR prepared in compliance with the IEGC Regulations 2023, Users/Entities shall submit the protection performance indices of previous month to SRPC and SRLDC on monthly basis for 220 kV and above by 15th of the subsequent month and the same shall be reviewed in the ensuing PCSC meeting of SRPC.
2. Protection performance Indices for the months of **September 2026 are pending from the following entities:**

ADANI_ATL	ADANI_RENEWABLE_FORTY TWO	Ayana Renewable Power Six Pvt Ltd	BETAMWIND
BHAVINI	HINDUJA	HIRIYUR_ZREPL	ILFS
INDIGRID	KLEIO_SOLAR	KPTCL	KSEB
LKPPL	MYTRAH	NPCIL_MAPS	NTPC
PVG_JSWRenewTwenty Ltd	PVG_SECI_S	SAEL	SCCL
SEPC	SEPL	TNGECL	TNPGCL

3. The consolidated details of protection performance indices received from the entities for the months of September 2026 are at **Annexure 14.** The same would be reviewed in the meeting.

4. The non-compliance of IEGC Regulations/Protection Protocol of SR by the entities (who have not furnished the protection performance indices of September 2026) would be deliberated in the meeting.

5. In the 126th PCSC meeting, all STUs confirmed that the Protection Performance Indices (PIs) of their Embedded Entities/Independent Power Producers (IPPs) are included in their respective STU/TRANSCOs Monthly PPI reports.

6. In the 135th PCSC meeting SRLDC requested all entities to recheck the classification report before clicking the verify button and to contact SRLDC in case of any discrepancies or variations between the user and SRLDC data.

7. SRLDC to modify the Tripping Classification after Discussion in the previous PCSC meetings and furnish the updated Tripping Classification report.

8. In the 140th PCSC meeting SRPC requested all entities to ensure that successful Auto Reclosure (A/R) operations are also entered in the PPI portal.

9. **As decided in the 139th PCSC meeting, one of the SR utilities would make a detailed presentation, in each meeting, on the PPI performance of its system, including analysis carried out and corrective actions taken. PGCIL SR-I and PGCIL SR-II to present on the PPI findings in the 148th PCSC Meeting.**

10. In the 140th PCSC meeting SRPC further highlighted that several variations were observed in the tripping classifications furnished by the utilities and SRLDC and requested all entities and SRLDC to coordinate closely and rectify the classification errors, as the errors lead to inaccurate PPI indices.

11. The Tripping Classification Variation report (**Annexure-14b**) for Month of September 2026 is as below. SRLDC is requested to give clarification on the variations in Classification report and action taken by the entities.

क्र. स. /S. NO.	एलमन्ट नाम/ ELEMENT NAME	ट्रिपिंग की तारीख/ TRIPPING DATE	ट्रिपिंग का समय/ TRIPPING TIME	सेंडिंग एंड/SENDING END			रीसीविंग एंड/RECEIVING END		
				उपयोगकर्ता /USER	उपयोगकर्ता ट्रिपिंग वर्गीकरण /USER TRIPPING CLASSIFICATION	एसआरएलडीसी ट्रिपिंग वर्गीकरण /SRLDC TRIPPING CLASSIFICATION	उपयोगकर्ता/ USER	उपयोगकर्ता ट्रिपिंग वर्गीकरण /USER TRIPPING CLASSIFICATION	एसआरएलडीसी ट्रिपिंग वर्गीकरण /SRLDC TRIPPING CLASSIFICATION
1	400KV-ALAMATHY-SUNGAVARACHATRAM-2	02-09-2026	15:57	TANTRANSCO	Correct Operation	Failure Operation	TANTRANSCO	Correct Operation	Correct Operation
2	400KV-ALAMATHY-TIRUVALAM_TN-2	03-09-2026	06:42	TANTRANSCO	Correct Operation	Correct Operation	TANTRANSCO	Correct Operation	Failure Operation
3	220KV-UPPER_SILERU-BALIMELA-1	05-09-2026	14:06	APGENCO	Correct Operation	Failure Operation			
4	400KV/220KV KADANDALE-ICT-1	05-09-2026	21:12	KPTCL	Correct Operation	Unwanted Operation			
5	230KV-NCTPS-SRIPERUMBADUR_TN-1	07-09-2026	23:32	TNPGCL	Correct Operation	Failure Operation	TANTRANSCO	Correct Operation	Correct Operation
6	220KV-ASUPAKA-LOWER_SILERU-1	09-09-2026	10:11	TGTRANSCO	Correct Operation	Correct Operation	APGENCO	Correct Operation	Failure Operation
7	400KV/11KV GREENKO_PSP-ST-1	10-09-2026	13:19	GREENKO	Correct Operation	Unwanted Operation			
8	400KV-RAMADUGU-SINGARENI-2	10-09-2026	15:19	TGTRANSCO	Unwanted Operation	Failure Operation	SCCL	Unwanted Operation	Correct Operation
9	400KV-MARADAM-KALPAKKA-2	10-09-2026	15:19	APTRANSCO	Correct Operation	Correct Operation	APTRANSCO	Correct Operation	Failure Operation
10	400KV/11KV GREENKO_PSP-ST-1	10-09-2026	19:28	GREENKO	Correct Operation	Unwanted Operation			
11	400KV-KAIGA-GUTTUR-1	10-09-2026	21:17	NPCIL_KAIGA	Correct Operation	Correct Operation	KPTCL	Correct Operation	Failure Operation

12	400KV-NTPL-TUTICORIN_PS-2	13-09-2026	21:48	NTPL	Unwanted Operation	Failure Operation	PGCIL SR-2	Correct Operation	Correct Operation
13	220KV-VIZAG_SWS-GANGAVARAM-1	14-09-2026	04:57	APTRANSCO	Correct Operation	Correct Operation	APTRANSCO	Failure Operation	Unwanted Operation
14	HVDC 500KV GAZUWAKA Pole 1	14-09-2026	12:47	PGCIL SR-1	Correct Operation	Unwanted Operation			
15	HVDC 500KV GAZUWAKA Pole 2	14-09-2026	12:47	PGCIL SR-1	Correct Operation	Unwanted Operation			
16	HVDC 800KV PUGALUR HVDC Pole 3	14-09-2026	17:56	PGCIL SR-2	Correct Operation	Unwanted Operation			
17	220KV-KAIGA-KADRA-1	15-09-2026	11:13	NPCIL_KAIGA	Failure Operation	Unwanted Operation	KPCL	Correct Operation	Correct Operation
18	400KV-KADANDALE-HEBBANAHALLI-1	15-09-2026	22:53	KPTCL	Correct Operation	Failure Operation	KPTCL	Correct Operation	Failure Operation
19	400KV/33KV GREENKO_PSS3-ICT-1	16-09-2026	03:58	GREENKO	Correct Operation	Unwanted Operation			
20	400KV/220KV KADANDALE-ICT-2	16-09-2026	14:36	KPTCL	Correct Operation	Unwanted Operation			
21	220KV-NP_KUNTA-SBENERGY_NPK-1	17-09-2026	13:12	PGCIL SR-1	Correct Operation	Correct Operation	APSPCL	Correct Operation	Failure Operation
22	400KV/220KV GAZUWAKA-ICT-3	17-09-2026	15:02	PGCIL SR-1	Correct Operation	Unwanted Operation			

23	220KV-SRISAILAM_RIGHT_BANK-NAGARJUNASAGAR_TS-1	20-09-2026	22:39	APGENCO	Correct Operation	Unwanted Operation	TGGENCO	Correct Operation	Correct Operation
24	220KV-YERRAANDAHALLI-HOSUR-1	21-09-2026	02:37	KPTCL	Correct Operation	Failure Operation	TANTRANSCO	Correct Operation	Correct Operation
25	220KV-KOTHAGUDEM_TPS-TIRUVURU-1	21-09-2026	20:01	TGGENCO	Correct Operation	Failure Operation	APTRANSCO	Correct Operation	Correct Operation
26	230KV-TTGS-GRT-1	22-09-2026	10:18	PGCILSR-2	Correct Operation	Correct Operation	GRT	Correct Operation	Unwanted Operation
27	220KV-ASUPAKA-LOWER_SILERU-1	23-09-2026	03:16	TGTRANSCO	Correct Operation	Correct Operation	APGENCO	Correct Operation	Failure Operation
28	HVDC 500KV KOLAR_DC Pole 1	23-09-2026	12:31	PGCILSR-2	Correct Operation	Unwanted Operation			
29	HVDC 500KV KOLAR_DC Pole 2	23-09-2026	12:31	PGCILSR-2	Correct Operation	Unwanted Operation			
30	400KV-RAMADUGU-SINGARENI-1	23-09-2026	18:28	TGTRANSCO	Correct Operation	Correct Operation	SCCL	Unwanted Operation	Correct Operation
31	400KV-KALPAKKA-KHAMMAM_PG-1	24-09-2026	04:02	APTRANSCO	Unwanted Operation	Unwanted Operation	PGCILSR-1	Unwanted Operation	Correct Operation

32	400KV-GREENKO_CPSS-AMGEPL_WIND-1	24-09-2026	10:49	GREENKO	Correct Operation	Unwanted Operation	AMGEPL	Correct Operation	Correct Operation
33	400KV-LKPPL_STG2-VIJAYAWADA-2	24-09-2026	23:48	LKPPL	Failure Operation	Unwanted Operation	PGCIL SR-1	Unwanted Operation	Correct Operation
34	400KV-LKPPL_STG2-VIJAYAWADA-2	25-09-2026	04:15	LKPPL	Failure Operation	Unwanted Operation	PGCIL SR-1		Correct Operation
35	400KV-LKPPL_STG2-VIJAYAWADA-2	25-09-2026	06:13	LKPPL	Failure Operation	Unwanted Operation	PGCIL SR-1		Correct Operation
36	400KV-GUTTUR-BTPS-1	27-09-2026	04:25	KPTCL	Correct Operation	Failure Operation	KPCL	Correct Operation	Correct Operation
37	400KV-ENNORE SEZ-SUNGAVARACHATRAM-1	28-09-2026	05:56	TNPGCL		Correct Operation	TANTRANSCO	Correct Operation	Correct Operation
38	220KV-RTPS-RAICHUR_KA-2	28-09-2026	05:57	KPCL	Correct Operation	Failure Operation	KPTCL	Failure Operation	Failure Operation
39	220KV-RTPS-RAICHUR_KA-1	28-09-2026	05:57	KPCL	Correct Operation	Correct Operation	KPTCL	Correct Operation	Unwanted Operation
40	220KV-HIRIYUR_OSTRO-HIRIYUR-1	28-09-2026	18:24	OSTRO_KANNADA	Correct Operation	Failure Operation	PGCIL SR-2	Correct Operation	Failure Operation

- **SRLDC & SLDC shall verify the tripping details submitted by the entities against real-time SCADA data.**
- **Any discrepancies observed during verification shall be reported to PCSC in subsequent meetings.**
- **All entities to furnish the protection performance indices for the month of September 2026.**
- **PGCIL SR-I and PGCIL SR-II to present on the PPI findings in the 148th PCSC Meeting.**
- **Non-compliance of the IEGC Regulations/Protection Protocol of SR by some entities to be deliberated. SRLDC to take up with ISTS connected entities (including RE) and ensure the submission of Protection Performance Indices. SLDC/TRANSCOs to ensure submission of the Protection Performance Indices of all State embedded entities.**
- **REMC/SRLDC to take up with ISTS connected entities (including RE) and ensure the submission of Protection Performance Indices.**
- **The protection performance indices received for the month of September 2026 to be reviewed.**

15. Status of Islanding Schemes Reviewed during 2025-26

1. Monitoring of Islanding Schemes by SLDCs/SRLDC

(i) In accordance with Standard Operating procedure (SOP) issued by MoP/CEA, SRLDC and SLDCs (Nodal LDCs of the islanding Schemes) need to monitor the Island generation and load on real-time basis. SOP clauses are reproduced below:

"2. Monitoring of Vital Parameters

i. Since formation of Island can take place at any time, monitoring of the following vital parameters, which have a significant role in on successful Island formation, is of paramount interest:

a. Anticipated/ actual Generation within the electrical boundary of the Island.

b. Anticipated/ actual Load within the electrical boundary of the Island.

c. Voltage, Frequency & Power Flows along the peripheral lines which are required to be tripped to form the Island.

ii. Above parameters are to be monitored in real-time basis in the Control Room/Despatch Centre (i.e., Sub SLDCs/SLDC/RLDC/NLDC) of the area by creating a dedicated page specific to the Islanding Scheme in the SCADA display. To accomplish this, provision should also be made, if required, for installing adequate measuring instruments (like PMU) at suitable locations within the Island."

2. As per the earlier PCSC meeting deliberations, SRLDC to act as a Nodal agency for Neyveli & Kudankulam Islanding schemes, since the IS are covered in 2-3 states/UT and monitor the critical parameters including the Load & Generation of the island in real time. Following are the nodal LDCs of the Islanding Schemes of SR:

Islanding Scheme	Nodal LDC
Vijayawada & Vishakhapatnam IS	AP SLDC
Bengaluru IS	KAR SLDC
Chennai IS	TN SLDC
Hyderabad IS	TG SLDC
Neyveli IS	TNSLDC, KERSLDC, PUDSLDC,SRLDC
Kudankulam IS	TNSLDC, KERSLDC, SRLDC

3. SCADA monitoring displays are made available in the respective SLDCs & SRLDC. Nodal LDCs need to furnish the Island LGB data for four scenarios for previous month along with their observations & SCADA data on monthly basis by 25th of the month in the following format to SRPC:

Peak Load scenario in the Island during the previous month		Off- Peak Load scenario in the Island during the previous month		Maximum Generation scenario in the Island during the previous month		Monthly Average data scenario	
Generation in MW	Load in MW	Generation in MW	Load in MW	Generation in MW	Load in MW	Generation in MW	Load in MW

Note:

Generation in MW*: Generation data of all generators participating in the Island scheme only.*

Net Load in MW: *Total surviving load after deducting the AUFR+df/dt+ (Island feeders, if any) in the Island.*

4. SRLDC, vide mail dated **21.10.2026**, furnished the Monthly Islanding data which is illustrated below. The Islanding Plots furnished by SRLDC is at **Annexure-15:**

Island	Bangalore	Chennai	Hyderabad	Kudankulam	Neyveli	Vijayawada	Visakhapatnam
Peak Load Generation	4655	2712	5066	5180	5601	1702	2382
Peak Load	4174	2407	5504	5984	4332	2458	2207
Peak Load Time	15-09-2026 16.18	01-09-2026 22.05	30-09-2026 16.46	09-09-2026 16.59	28-09-2026 18.18	01-09-2026 22.33	08-09-2026 21.33
Off Peak Generation	3523	2525	4487	4848	3917	1309	1459
Off Peak Load	2109	1365	2879	2916	1075	1339	1046
Off Peak Load Time	01-09-2026 4.08	25-09-2026 5.42	15-09-2026 3.56	21-09-2026 3.06	22-09-2026 13.24	26-09-2026 11.42	24-09-2026 3.45
Maximum Generation	5330	3115	5489	6995	6099	2217	2931
Load at Maximum Generation	3471	2054	3530	4487	3482	2018	1702
Maximum Generation Time	09-09-2026 18.17	17-09-2026 16.43	14-09-2026 6.40	01-09-2026 0.20	16-09-2026 19.54	11-09-2026 19.55	21-09-2026 16.58

Average Generation	3735	2516	4415	5084	4503	1823	1946
Average Load	3156	1909	4317	4578	3183	1914	1634
Maximum SR RE time	22-09-2026 12.25	22-09-2026 12.25	22-09-2026 12.25	22-09-2026 12.25	22-09-2026 12.25	22-09-2026 12.25	22-09-2026 12.25
RE Max Gen	1967	2008	3479	4014	3873	1456	1425
RE Max Load	3557	1736	5025	4023	1249	1936	1615
G/L	1.183460076	1.317967522	1.02270095	1.110528615	1.41470311	0.95245559	1.190942472

5. Substantial variations in the LGB, owing to flexing of generation by conventional generating stations participating in the Islanding Schemes and participating load quantum during high RE injection, particularly during high solar generation period, have been observed. To analyse the IS LGB under various scenarios to enable appropriate review and remedial action, SRLDC is requested to present snapshot of SCADA display of the Islanding page during **solar peak hour** of the previous day.

6. Nodal LDCs were requested

- To furnish their observations regarding the LGB data.
- To provide reasons for Low / High LGB observed.
- Nodal LDCs should present the following for the Island for the month of **September** 2026 during the PCSC meeting:
  - Load Duration Curve
  - Generation Duration Curve
  - G/L Duration Curves

7. STU/TRANSCOs are requested to coordinate with SLDC and to present the data in the PCSC Meeting

8. In the earlier meetings, it was emphasized that SLDCs and SRLDC are responsible to monitor new elements being added inside or across the island boundaries of the respective islands of their control area (Nodal LDC for the Islanding scheme), and if any element gets added across the boundary of the Island (Island boundary as per the reviewed island document issued by SRPC), UFR at islanding frequency shall be implemented by respective SLDC/TRANSCO/TSP on those elements with intimation to SRPC and SRLDC. In addition, SRLDC shall also monitor the transmission elements getting added across interstate boundaries affecting the existing islands and intimate the same to respective SLDCs for UFR implementation.

9. SRLDC shall furnish the details of new elements added in the grid and communicate the same to all STU's for deliberation in the meeting

10. In the 140th PCSC meeting SRPC requested SRLDC to take up issues with the respective SLDCs whenever erratic SCADA data is observed, so that the issues can be addressed in real time. SRLDC agreed to inform their SCADA department accordingly.

11. All entities were requested to enter the details in the portal regarding the new elements added in the grid on regular basis.

- ***STU / TRANSCOs to coordinate with Nodal LDC to present the Island LGB data Analysis for the Month of September-26.***
- ***Respective SLDCs and SRLDC to monitor the Island Schemes in real time.***
- ***Respective SLDCs/TRANSCOs and SRLDC to monitor any new elements added inside or across the island boundaries of the respective islands, impacting the Island and UFR implementation at islanding frequency to be ensured.***

12. Furnishing of Monthly Certificate on Healthiness of Islanding Schemes by Generators/ Transmission Utilities / SLDCs/ DISCOMS

1. All Constituents as listed below were requested to submit certificate on Healthiness of Islanding Schemes on monthly basis –by the first week of every month (i.e. status for a month shall be sent before the 3rd day of the succeeding month) to SRPC as per the formats, circulated vide SRPC letter dated 09 August 2021:

Islanding Scheme	Constituents
Hyderabad (Ramagundam) IS	TGTRANSCO, SLDC-TGTRANSCO, TGGENCO, PGCIL (SR-I), NTPC-Ramagundam
Chennai IS	TANTRANSCO, SLDC-TANTRANSCO, PGCIL (SR- II)
Neyveli IS	TANTRANSCO, SLDC-TANTRANSCO, PGCIL (SR- II), PED, NLCIL, NNPTPS, KSEBL
Kudankulam IS	TANTRANSCO, SLDC-TANTRANSCO, PGCIL (SR- II), KSEBL
Visakhapatnam (Simhadri) IS	APTRANSCO, SLDC-APTRANSCO, APGENCO, PGCIL (SR-I), NTPC-Simhadri
Bengaluru IS	KPCL, KPTCL, PGCIL (SR-I), PGCIL (SR-II), UPCL, NTPC-Kudgi, NPCIL-Kaiga
Vijayawada IS	APTRANSCO, SLDC-APTRANSCO, APGENCO, PGCIL (SR-I)

2. As decided in 112th Meeting of PCSC held on 06th November 2023, all Utilities concerned are requested to furnish the certificate in the prescribed format regularly (before 7th day of every month) for onward reporting to CEA/ MoP.
3. The Certificate of Healthiness of Islanding Schemes for the month of **September 2026** has been received from all the utilities.

16. Ensuring Readiness of Islanding Schemes

1. In view of the prevailing security concerns across the country and as per the directions issued by the Ministry of Power, it is imperative to ensure the operational reliability and effectiveness of the existing Islanding Schemes. Accordingly, all Nodal Load Despatch Centres (SLDCs), State transmission utilities and ISTS transmission

licensees are requested to ensure the following in respect of Southern Region Islanding Schemes (IS) under their jurisdiction:

Sl. No.	Activity	Entity Responsible
1	Testing and verification of all stages of Under Frequency Relays (UFR) and df/dt relays within the Islanding Scheme were requested to be ensured.	Nodal SLDC, STU & ISTS
2	Testing and verification of other relay set points, such as Under Frequency (U/f) and Over Frequency (O/f) settings of the participating generators, PILM feeders, etc., identified within the Islanding Scheme, were advised to be carried out.	Nodal SLDC, STU & ISGS Stations within the Island
3	Confirmation regarding the operational healthiness and readiness of the Islanding Schemes was requested to be provided.	Nodal LDC
4	Continuous monitoring of the Islanding Schemes through SCADA visibility in the LDCs was advised to be ensured.	Nodal LDC

2. Following are the nodal LDCs of the Islanding Schemes of SR:

Islanding Scheme	Nodal LDC
Vijayawada & Vishakhapatnam IS	AP SLDC
Bengaluru IS	KAR SLDC
Chennai IS	TN SLDC
Hyderabad IS	TS SLDC
Neyveli IS	TNSLDC, KERSLDC, PUDSLDC, SRLDC
Kudankulam IS	TNSLDC, KERSLDC, SRLDC

- **SRPC, vide email dated 14.05.2025, requested that a report of confirmation of the above may please be shared to SRPC at the earliest.**
- **APTRANSCO, vide mail dated 02.06.2025, informed that testing and verification of test points was done and found satisfactory.**
- **Subsequently, TGTRANSCO, TANTRANSCO, KPTCL & PED had confirmed the testing and verification of UFR relays under their purview.**
- **In the 133rd PCSC meeting PGCIL SR–I informed that they do not have standalone UFR relays and that actual UFR testing would be carried out during Line Clearance (LC). They further confirmed that the physical setting of test**

points in the relay display had been verified and that testing would be completed during LC.

- **In the 134th PCSC meeting KSEBL confirmed that AUFR testing verification was completed.**

- ***All SLDCs to ensure monthly verification of set points.***
- ***All Nodal Load Despatch Centres (SLDCs), State transmission utilities and ISTS transmission licensees to furnish confirmation report on Island Readiness to SRPC immediately.***

17. Review of SR-Islanding Schemes

1. Due to the variation in generation and load growth in the already designed Islanding Schemes, the Annual Review of SR Islanding Schemes is being undertaken every year.
2. Accordingly, the review meetings of all SR Islanding Schemes were conducted as per the schedule given below:

Sl. No.	Islanding Scheme	Date of Review Meeting			Date of Issuance of Reviewed IS Document
Review meetings →		1st Review	2nd Review	3rd Review	
1	Hyderabad	11.06.2025	25.09.2025	17.02.2026	27.07.2026
2	Bangalore	11.06.2025	09.12.2025	17.02.2026	27.07.2026
3	Vijayawada	11.07.2025	25.09.2025	----	30.03.2026
4	Visakhapatnam	11.07.2025	25.09.2025	17.02.2026	10.04.2026
5	Chennai	15.07.2025	09.12.2025	17.02.2026	10.04.2026
6	Neyveli	15.07.2025	16.12.2025	-----	27.07.2026
7	Kudankulam	15.07.2025	16.12.2025	-----	29.07.2026

- ***APTRANSCO, TANTRANSCO, TGTRANSCO, KSEBL, KPTCL, PED & SRLDC to update the status of implementation of Reviewed IS.***

18. Revised SOP for Islanding scheme – Implementation and Monitoring

The revised SOP for Islanding Schemes, approved during the 18th NPC Meeting held on 18.09.2026 is at **Annexure-18**

All SLDCs, STUs, GENCOs and SRLDC are requested to take necessary action for implementation of the revised SOP and ensure regular monitoring of the Islanding Schemes in accordance with the revised provisions.

19. Nodal Officer Details for Islanding Schemes — Role, Responsibility & Coordination Activities

As per the Standard Operating Procedure (SOP) (Annexure-13) for Islanding Schemes,

- Roles and responsibilities of the organizations/officers involved in designing and operating the Islanding Schemes are defined in *Annexure-III* of the SOP.

- A **Nodal Officer** is to be nominated by each utility participating in the Island (owners of generating stations, substations, transmission lines, distribution lines, etc.) along with a **Chief Nodal Officer** from the concerned Despatch/Control Centre.
- The Chief Nodal Officer from the LDC and utility-specific Nodal Officers shall ensure free flow of information regarding operational status of the Islanding Scheme and prompt communication between SCADA Control Centres and stations.
- Further, each RLDC shall designate a **Coordination Officer** for regional level monitoring.

Entity	Required Level of Nodal Officer	Key Role/Responsibility
RPCs (Regional Power Committee)	*Superintending Engineer* (nominated by Member Secretary, RPC)	Preparation, coordination, and periodic review of Islanding Schemes
RLDCs (Regional Load Despatch Centres)	*General Manager & above*	Coordinating Nodal Officer for region; monitor vital parameters of schemes at SCADA; recommend PMUs/ communication upgrades; certify healthiness of systems
LDCs (State Load Despatch Centres)	*Chief Engineer & above*	Chief Nodal Officer at state level; coordinate DISCOM/TRANSCO/ GENCO nodal officers; ensure proper data flow; monitor health of SCADA, relays, communication; certify components monthly; implement schemes at state level.
GENCOs (Generating Companies)	*General Manager / Chief Engineer & above*	Implement schemes at generation end; provide data for study/review; ensure healthiness of generating units, relays, communication; submit monthly certification
STUs / PGCIL (Transmission Utilities)	*General Manager / Chief Engineer & above*	Implement schemes at transmission end; ensure healthiness of substations, lines, relays, communication; provide data for review; monthly certification.
DISCOMs (Distribution Companies)	*General Manager / Chief Engineer & above*	Identify essential and defence loads; implement schemes at distribution end; ensure feeder/relay/communication health; monthly certification.

- An updated list of contact details of all such Nodal Officers is to be maintained by the LDC.
- **SLDC, STU, SGS, ISGS, ISTS & RLDC were requested to furnish the details in the below format**
- SLDCs to coordinate with respective DISCOMs w.r.t nomination of nodal officer and discharge of IS related responsibilities.

Utility Name & Location	Name	Designation	Organization	Email ID	Mobile No.

The latest status of nominations received is as below:

S.No	Name of Islanding Scheme	STU	SLDC	Gencos
1	Telangana	✓	✓	✓
2	Andhra Pradesh	✓	✓	✓
3	Tamil Nadu	✓	✓	✗
4	Karnataka	✓	✓	✓
5	Kerala	✓	✓	✓
6	Puducherry	✓	✓	NA
7	PGCIL (SR)	✓	NA	NA
8	NTPC (SR)	NA	NA	✓
9	NPCIL KGS 1&2	NA	NA	✓
10	NPCIL KGS 3&4	NA	NA	✓
11	NPCIL MAPS	NA	NA	✓
12	NPCIL KKNPP	NA	NA	✓
13	ADANI (APL/ATL)	✗	NA	✓
14	HNPCL	NA	NA	✓
15	NLCIL	NA	NA	✓
16	SRLDC	✓		

✓ -- Furnished
✗ -- Not Furnished
NA- Not Applicable

Utilities to furnish the details of Nodal Officer as per the SoP.

20. Periodic Inspection / Audit of Essential Components of Islanding Schemes

To ensure the reliability and healthiness of Islanding Schemes, it is proposed that periodic inspection and audit of all essential components of the schemes be carried out by the concerned utilities. The inspection/audit shall cover the following components:

1. Under Frequency Relays (UFRs) installed on island-forming elements, including transmission lines and ICTs.
2. Associated communication equipment at all stations forming part of the Islanding Scheme.
3. DC supply systems associated with control panels and communication equipment.
4. Verification of relay settings, tripping logic, communication paths and SCADA visibility.

Audit Periodicity:

- **Internal Audit:** To be carried out annually by the concerned utilities.
- **Third-Party Audit:** To be carried out once every five (5) years, aligned with the periodic third-party protection audits for 220 kV and above voltage levels. For 132/110 kV systems, the audit shall be carried out separately.

The inspection and audit reports shall be submitted to the respective Regional Power Committees (RPCs) for review and monitoring.

Further, in addition to the above periodic audits, RLDCs, SLDCs, generating stations, transmission utilities, DISCOMs and other concerned entities shall submit the requisite information in the formats prescribed under **Annexure-II of SOP (Formats I to IV)** on a monthly basis to the respective RPCs to facilitate regular monitoring and certification of the healthiness of Islanding Schemes.

All Island Participating Utilities to ensure the same.

21. Monitoring of Vital Parameters for Islanding Schemes

As per the Standard Operating Procedure (SOP) for Islanding Schemes:

- Continuous monitoring of critical system parameters is essential since Island formation can occur at any time.
- The following parameters must be monitored on a real-time basis within the electrical boundary of each Island:
  - Anticipated / actual **generation**
  - Anticipated / actual **load**
  - **Voltage, frequency, and power flows** on peripheral lines that are to be tripped to form the Island
- A **dedicated SCADA page** for each Islanding Scheme is to be created in the control rooms / despatch centres (Sub-SLDCs / SLDC / RLDC / NLDC) to display these parameters. If required, **PMUs or other measuring instruments** should be installed at suitable locations.
- **RLDCs/SLDCs are to submit monthly data** in the prescribed format to RPCs certifying the healthiness of the communication system used for monitoring these parameters.

S. No.	Name of Islanding Scheme	Healthiness of Communication Channel	End-to-End Trip Signal Testing Status	SCADA Visibility Status	Communication Latency (ms)	SCADA Discrepancy Observed*	Details of Discrepancy (if any)	Outage Details (if any)	Rectification Status	Date of Testing	Remarks

1.											
2.											
3.											

Note: *Detailed analysis of SCADA discrepancies shall be furnished by the RLDC to the respective RPC.

- ***SRLDC & SLDC to submit monthly certified report on healthiness of the communication system for Islanding Scheme.***

22. Certificate for Healthiness of Batteries

(i) As per the MoP direction, given in pursuant to recommendations of the Enquiry Committee (NEW grid disturbance on 30th & 31st July, 2012), *the monthly certificate for healthiness of batteries, installed at 220 KV and above voltage level Substations (for power supply to Relays, RTUs and PLCC equipment)* are required to be obtained by RPCs, from their respective Constituents and furnish the same to CEA/ MoP.

(ii) With reference to above, the Constituents have been requested to submit the certificate on healthiness of batteries on monthly basis (i.e. status for a month shall be sent by the 7th day of the following month) to SRPC Secretariat.

(iii) The Certificate of Healthiness of Batteries has been received from all the entities for the month of **September 2026**.

23. Compliance by the Users of the Grid

a) Submission of Annual Audit Plans by the State embedded Users/IPPs

(i) Clause (5) of Regulation 15 of IEGC Regulations, 2023 envisages as below:

Quote

(1) All users shall conduct internal audit of their protection systems annually, and any shortcomings identified shall be rectified and informed to their respective RPC. The audit report along with action plan for rectification of deficiencies detected, if any, shall be shared with respective RPC for users connected at 220 kV and above (132 kV and above in NER).

(2) All users shall also conduct third party protection audit of each sub-station at 220 kV and above (132 kV and above in NER) once in five years or earlier as advised by the respective RPC

. .....

(5) Annual audit plan for the next financial year shall be submitted by the users to their respective RPC by 31st October. The users shall adhere to the annual audit plan and report compliance of the same to their respective RPC."

Unquote

As per the above Regulations, Users (Entities/Embedded entities/IPPs connected at 220kV & above voltage level) shall furnish the annual audit plans (Internal & third party) for the next financial year to SRPC by 31st October of every year.

(ii) In the PCSC meetings, it was observed that some users especially State embedded entities/IPPs (including RE) connected at 220kV & above voltage level) have not submitted the Annual Audit Plans.

(iii) In various meetings, it was requested to SLDCs/TRANSCOs to take up with the Users (Entities/Embedded entities/IPPs connected at 220kV & above voltage level) to furnish the **Audit Plan, both Internal as well as Third party audit plan.**

(iv) Similarly, SRLDC was requested to take up with ISTS connected entities/Users (including RE) and ensure the submission of Protection Performance Indices and both audit plan.

(v) State SLDCs/TRANSCOs had been requested to take up with the respective entities to furnish the audit plan both Internal as well as Third Party audit plan for FY **2026-27**.

- ***SLDCs/TRANSCOs to ensure submission of the internal & third-party audit plans by all Users (Entities/Embedded entities/IPPs connected at 220kV & above voltage level).***
- ***SRLDC to take up with ISTS connected entities/Users (including RE) and ensure the submission of Protection Performance Indices as well as internal & third-party audit plans.***
- ***SLDCs/SRLDC to issue non-compliance letters to the Users (Entities/Embedded entities/IPPs connected at 220kV & above voltage level), who are not complying with the Regulations.***

b) Submission of the Flash Report/ DR / EL / Detailed Report of the Grid Events

(i) Regulations 37(2) of IEGC 2023 envisages below:

37(2) System Security Aspects

Regulation 37(2) of Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2023, all the Regional Entities of Southern Region subsequent to the incident, including the intimation, flash report, data from Disturbance Recorder (DR), Station Event Logger (EL), Data Acquisition System (DAS) and Detailed Reports are to be submitted, allowing for comprehensive analysis within defined time frames.

Sr. No.	Grid Event^ (Classification)	Flash report submission deadline (users/ SLDC)	Disturbance record and station event log submission deadline (users/ SLDC)	Detailed report and data submission deadline (users/ SLDC)	Draft report submission deadline (RLDC/ NLDC)	Discussion in protection committee meeting and final report submission deadline (RPC)
1	GI-1/GI-2	8 hours	24 hours	+7 days	+7 days	+60 days
2	Near miss **event**	8 hours	24 hours	+7 days	+7 days	+60 days
3	GD-1	8 hours	24 hours	+7 days	+7 days	+60 days
4	GD-2/GD-3	8 hours	24 hours	+7 days	+21 days	+60 days
5	GD-4/GD-5	8 hours	24 hours	+7 days	+30 days	+60 days

^*The classification of Grid Disturbance (GD)/Grid Incident (GI) shall be as per the* CEA Grid Standards.

(ii) In the earlier PCSC Meetings, it was decided that SRLDC to issue non-compliance notices to entities that do not follow the timelines stipulated in the IEGC regulations. SRLDC to sensitize the entities & SLDCs on the above Regulations and SRLDC to take up with the entities that have not furnished the required details/information in

the specified formats and ensure that all the details of the grid event are available in the portal.

- ***All the Users shall adhere to the above Regulatory Provisions and the Time lines.***
- ***SRLDC to take up with the entities that have not furnished the required details/information in the specified formats and ensure that all the details of the grid event are available in the portal.***

24. Implementation of OVR gradings for 400 kV and 765 kV Transmission Lines of Southern Region (SR)

1. A comprehensive exercise for OVR grading of 400 kV and 765 kV transmission lines of the Southern Region (existing/known elements as on March 2026) has been carried out.
2. SRPC, vide mail dated 10.03.2026, circulated the draft OVR gradings for 400 kV and 765 kV Transmission Lines of Southern Region (SR).
3. After incorporating the received comments appropriately, the OVR, Stage-I gradings to be adopted for 400 kV and 765 kV lines in the Southern Region is finalized and circulated vide SRPC Letter dated 17.04.2026 enclosed at **Annexure-24** for kind implementation.
4. The OVR gradings as applicable to the respective system shall be implemented by the Constituent/ Utility concerned **with immediate effect**. Utilities concerned are requested to confirm implementation of new OVR gradings by filling the form as circulated by mail, latest by **30.04.2026.**
5. In this regard, it may be noted that the concerned utility shall update the implementation status in the above form only after successful implementation of OVR gradings for all lines under its jurisdiction.
6. The Confirmation of Revised OVR gradings is *yet to be received* from
   - TGGENCO
   - TNPGCL
   - TNGECL
   - HNPCL
   - RE –ISTS
7. The Nodal Officers of the above utilities are therefore requested to furnish the **consolidated confirmation of implementation for all applicable lines under their respective jurisdiction**, through the prescribed form, immediately.
8. Individual station-wise confirmation shall not be considered as compliance. The Nodal Officer shall furnish the confirmation only after ensuring that the revised OVR gradings have been implemented for all applicable 400 kV and 765 kV transmission lines of the utility as per the enclosed/listed details.

- ***All Constituents to confirm the implementation of revised OVR gradings***
- ***SRLDC is also requested to take up with RE-ISTS entities for Implementation of OVR gradings***

25. Submission of Static IPv4 Addresses for Whitelisting – Access to SRLDC Web Applications

In line with the deliberations held during the earlier PCSC meetings, all users/entities are requested to furnish their Static Ipv4 address details at the earliest by submitting the information through the prescribed Google Form circulated through mail.

Users who have already submitted the required details need not submit them again; however, in case of any modification, the updated details may be submitted afresh. Early submission of the above details is requested to facilitate further necessary action related to access control and cybersecurity compliance**.**

For checking the Ipv4 address, users may visit www.whatismyipaddress.com. In case of any difficulty in the whitelisting process or for any clarification, the matter may be taken up with SRLDC through email/official correspondence, or the undersigned may be contacted.

26. Third Party Protection Audit of Stations due to severe Grid Occurrences

As per the clause 15(3) of IEGC regulations 2023

Quote

"*After analysis of any event, each RPC shall identify a list of substations / and generating stations where third-party protection audit is required to be carried out and accordingly advise the respective users to complete third party audit within three months."*

Accordingly, in line with the IEGC regulations considering severe Grid occurrences affecting the stability of Grid the following stations are recommended for Third party Protection Audit of substations through External agency and are requested to submit the Report within **90 days**.

As per the deliberations of earlier PCSC Meeting the Following stations need to complete their Third Party Protection Audit and Submit report to SRPC by 90 days

S.No	Name of station	Voltage Level	Utility	Remarks	Timeline For submission of Audit report
1	Koppal Pooling Station	400kV	Indigrid	Frequent Grid occurrences with Protection Issues observed in 141st, 142nd & 143rd PCSC Meeting	**October-26**
2	Kalpakka	400kV	APTRANSCO	Frequent Trippings of NTPC-Simhadri, Kalpakka lines affecting Generation and Protection related	**October-26**

				issues of AR operation etc observed.	
3	Kemar	220kV	KPTCL	Frequent Tripping with unwanted protection operations leading to Generation loss of 400kV UPCL. In 143rd PCSC meeting due to incorrect operation of Kemar 600 MW Generation loss is seen.	**October-26**
4	Renigunta Sub Station	220 kV	APTRANSCO	Grid occurrences with Protection Issues observed in 144th PCSC Meeting which lead to Equipment failure, Relay failures, Relay Maloperations in the downstream network.	**November-26**
5	Pothencode Sub Station	220 kV	KSEBL	Frequent Grid occurrences with observed in 144th, 145th & 146th PCSC Meeting which is affecting the reliability of power supply to Kerala.	**December-26**
6	MRS	220kV	M/s RINL (Vizag steel)	Grid occurrences with Protection Issues observed in 147th PCSC Meeting which lead to Equipment failure, Relay failures, Relay Maloperations in the downstream network	**January - 27**

APTRANSCO is requested to inform M/s RINL through APSLDC for conduction of third party audit and submission of reports.

Note: In view of the SCTPPA scheduled in December 2026 and KSEBL's request to avoid multiple third-party audits of the same station, a special third-party protection audit of 220kV Pothencode Substation (SS) is being conducted in conjunction with the SCTPPA members, with nominees from SRPC, SRLDC and PGCIL**.**

- ***INDIGRID, KPTCL & APTRANSCO to update the Status of Third party Protection Audit***

27. HIGH SHORT CIRCUIT LEVELS IN 220KV & ABOVE SUBSTATIONS IN SR -REGION

a) As per the ATC Peak Demand case file submitted by SRLDC (**Annexure-27**) vide email dated 25.06.2026, it is observed that the following stations in the SR region are experiencing high three-phase short-circuit currents, and the short-circuit levels are exceeding the fault level capacity of station equipment.

b) The concerned utilities of the stations mentioned below are advised to submit the details of necessary actions taken/planned to mitigate the short-circuit levels.

Bus Number	Bus Name	Utility	Base KV	Fault Type	ABS(I) (A)	ANG(I) (DEG)	Comments
412021	TALLAPLLI	APTRANSCO	220	3PH	41353.48	-113.12	
412025	VTS	APGENCO	220	3PH	50477.72	-110.55	
412038	NUNNA	APTRANSCO	220	3PH	40252.01	-110.83	
414010	KURNOOL4	APTRANSCO	400	3PH	54113.38	-115.74	
414013	VTS-IV	APGENCO	400	3PH	41696.9	-111.1	
414021	SATENAPALI4	APTRANSCO	400	3PH	40428.71	-112.07	
414029	NELLORE-AP4	APTRANSCO	400	3PH	58499.96	-116.93	
414030	SDSTPS	APGENCO	400	3PH	44749.42	-116.91	Equipment Rating 40kA
414058	SEIL-P2_AP	SEIL	400	3PH	41275.84	-116.83	
414060	GREENCO_CPSS	GREENKO	400	3PH	47373.34	-115.37	Equipment Rating 63kA
414064	GREENCO_PSP	GREENKO	400	3PH	43534.19	-115.17	Equipment Rating 63kA
422003	GHANAPUR	TGTRANSCO	220	3PH	42139.11	-111.24	Bus-split operation at Moulali is being planned to reduce the short-circuit levels at 220 kV Ghanapur and 220 kV Malkaram substations
422023	BPD 220KV SS	TGTRANSCO	220	3PH	42199.29	-108.65	
422024	MALKARAM	TGTRANSCO	220	3PH	49821.09	-109.98	
422031	MMP 220 BUS	TGTRANSCO	220	3PH	47169.14	-111.71	
422037	HIAL	TGTRANSCO	220	3PH	42660.31	-111.49	
422144	RAIDURG	TGTRANSCO	220	3PH	41052.13	-110.68	
424006	MAMIDIPALLI	TGTRANSCO	400	3PH	45807.98	-111.2	
424019	DINDI	TGTRANSCO	400	3PH	43731.44	-112.53	
424022	MAHES-TS	TGTRANSCO	400	3PH	62214.29	-111.36	bus sectionalization at the 400 kV Maheshwaram substation has been planned and approved with a view to reducing the fault levels at the station
860090	ZSWSH_860090	TGTRANSCO	400	3PH	43731.44	-112.53	
424002	RSTPS NTPC	NTPC	400	3PH	40618.21	-106.64	
424043	RSPTS_FSP	NTPC	400	3PH	40618.21	-106.64	
434006	RAICHUR TPS	KPCL	400	3PH	42754.12	-116.82	Equipment Rating 63kA
442015	BASINBRIDGE	TANTRANSCO	230	3PH	40655.54	-127.07	Equipment Rating 40kA
442076	SPBUDUR2	TANTRANSCO	230	3PH	42970.14	-127.88	Equipment Rating 50kA
442216	PULIYANTHOP	TANTRANSCO	230	3PH	40758.98	-127.08	

414001	GOOTY	PGCIL SR-I	400	3PH	41592.25	-120.96	
414003	NELLORE-PG	PGCIL SR-I	400	3PH	58499.96	-116.93	
414004	CHINAKMPALLI	PGCIL SR-I	400	3PH	44672.41	-121.34	
414006	CNP-FSC2	PGCIL SR-I	400	3PH	44672.41	-121.34	
414023	NELLORE-PS	PGCIL SR-I	400	3PH	57106.17	-116.73	
414031	KURNOOL-PG	PGCIL SR-I	400	3PH	57482.69	-115.62	
414032	GTYNLM-FSC	PGCIL SR-I	400	3PH	41592.25	-120.96	
414033	GTYSMN-FSC	PGCIL SR-I	400	3PH	41592.25	-120.96	
414050	NELLORE-PG-S	PGCIL SR-I	400	3PH	58499.96	-116.93	
414052	CUDDAPA GIS	PGCIL SR-I	400	3PH	44672.41	-121.34	
417001	KURNOOL-PG	PGCIL SR-I	765	3PH	40207.2	-115.89	
424004	KHAMMAM	PGCIL SR-I	400	3PH	41617.96	-109.46	
424021	MHSWRM-PG	PGCIL SR-I	400	3PH	62352.05	-111.44	
434008	TUMKUR	PGCIL SR-II	400	3PH	40619.87	-128.39	
434009	RAICHUR-PG	PGCIL SR-II	400	3PH	44972.23	-117.41	
444005	TIRUNELVELLI	PGCIL SR-II	400	3PH	42696.09	-137.83	

c) In the 55th TCC Meeting, PGCIL highlighted the increasing short-circuit levels across the network, with prospective fault currents at some substations exceeding the rated short-circuit withstand/interruption capacity of the installed equipment. PGCIL requested CTUIL to undertake updated short-circuit studies and formulate appropriate system-level mitigation measures.

d) CTUIL informed that the issue would be examined in detail and deliberated upon in the Joint Study Meeting with the concerned CTUs and STUs. TCC emphasised that, in addition to system-level planning and network reconfiguration measures, the concerned utilities should assess the fault levels against the ratings of installed equipment and undertake necessary mitigation measures, including upgradation/replacement of circuit breakers and associated switchgear wherever required. STUs were also advised to conduct similar studies for their respective networks.

The concerned utilities may update the status of the short-circuit studies and mitigation measures planned/taken to ensure that the prospective fault levels remain within the rated capacity of the installed equipment

28. Compliance status of New Protection Audit Recommendations (PAR-New)

a) As per Clause 15(2) of IEGC 2023 regulations All users shall also conduct third party protection audit of each sub-station at 220 kV and above (132 kV and above in NER) once in five years or earlier as advised by the respective RPC.

b) The compliance of new Protection Audit Recommendations is regularly discussed in the PCSC Meetings and special meetings. The status of compliance is monitored/reviewed periodically by SRPC Secretariat. The latest status of compliance of various SR-Constituents as on October, 2026, for the Stations audited up to October 2026 is as below:

SL.NO	Entity	Total	Complied	Pending	Dropped	Compliance percentage (%)
1	APGENCO	139	69	68	2	50.36

2	**APTRANSCO**	1491	772	617	102	55.58
3	**TGGENCO**	288	202	69	17	74.54
4	**TGTRANSCO**	1364	523	745	96	41.25
5	**KPCL**	273	206	62	5	76.87
6	**KPTCL**	1270	256	991	23	20.53
7	**TNPGCL**	26	22	3	1	88.00
8	**TANTRANSCO**	1060	462	440	158	51.22
9	**KSEBL**	529	250	248	31	50.20
10	**PGCIL SR-I**	149	77	1	71	98.72
11	**PGCIL SR-II**	127	110	2	15	98.21
12	**PED**	133	70	59	4	54.26
13	**NTPC**	100	79	20	1	79.80
14	**NTPL**	9	8	1	0	88.89
15	**NNTPP**	14	13	1	0	92.86
16	**NLCIL**	230	77	153	0	33.48
17	**NPCIL**	101	36	64	1	36.00
18	**JSWEL**	20	19	1	0	95.00
21	**SCCL**	16	16	0	0	100.00
23	**Others-Combined**	39	21	18	0	53.85
24	**AMGEPL**	2	0	2	0	0.00

- ***All the SR-Utilities are requested to comply with the pending remarks and update the status regularly along with the firm timelines for compliance.***

29. Compliance status of Old Protection Audit Recommendations (PAR-Old)

a) CERC, vide order dated 15.12.2016 in Petitions filed by KSEBL (88/MP/2016) and KPTCL (135/MP/2016), granted last-chance time extensions to the SR Constituents for completing their respective Protection Audit Recommendations (PAR), and had directed SRPC to monitor the status of completion of PAR regularly in PCSC meetings and submit bimonthly report to the Commission confirming the completion of Phase-I and Phase II of PAR by the Constituents of Southern Region. Accordingly, the status report is being

submitted to CERC on bimonthly basis by SRPC secretariat.

b) The pending PAR-Old recommendations to be complied by TANTRANSCO, as on June 2026, are as below:

SR Utility	Name of substation	Details of Protection Audit Observations	Latest Updates
TANTRANSCO	230 kV Arni SS	Second source of DC to be reviewed for connectivity.	Timeline requested up to 31.03.2025.
	230 kV Kayathar SS	Proper fire fighting and oil drain pit to be provided for transformers.	Estimate sanctioned. Tender to be floated. Timeline requested up to 31.12.2024.
	230 kV Pugalur	Possibility of providing CB for sectionalised bus to be explored.	Space constraint. Not feasible for providing Hybrid Breaker too.
	230 kV Singaperumal Koil SS	Strengthening of 230/110 kV bus to be examined (presently two conductors as 230 kV Bus and 1 conductor as 110 kV bus).	Timeline requested up to 31.12.2024
		Providing fire protection system for auto transformer to be examined.	Fire protection system provided for Auto 1 &4. Auto-2 included in the upcoming PSDF. For Auto-3 Fire Protection system is not feasible.
	400 kV Sunguvarchathiram SS & 230 kV SunguvarachathiramSS	Fire protection system is not provided for ICTs.	Timeline requested up to 31.12.2024
Note: Gas based IPPs in AP like Spectrum PGL, Konaseema, Vijjeswaram St-II & Lanco Kondapalli have not been in operation since long time, due to non-availability of gas and reported that most of them have been dismantled. Hence The pending audit points for those stations/entities are not monitored.			

- ***TANTRANSCO is requested to complete the works to comply with the pending PAR, at the earliest.***

30. PARAM (Protection Activities Reporting, Audit and Monitoring) Portal

During the 18th NPC meeting, NRPC informed that the PARAM Portal, developed as an in-house web-based platform, facilitates digital submission and monitoring of monthly Protection Performance Indices (PPIs), protection audit plans and audit reports in compliance with the Protection Code of IEGC, 2023.

The NPC forum was informed that different RPCs are presently using separate systems for maintaining protection-related data. Accordingly, it was decided that the RPCs, through the Protection Sub-Group of NPC, shall examine the useful functionalities available in the existing systems and explore the feasibility of integrating them to develop a common and comprehensive database, providing national-level visibility of protection audit status and performance indices.

- ***The above is submitted for information of the PCSC Members.***

31. Conducting the Examination for Protection Auditor Certification

During the 17th NPC Meeting held on 27.02.2026, NPTI was entrusted with developing structured training and certification programmes for Protection Auditors in coordination with CEA, RPCs and POWERGRID.

During the 18th NPC deliberations, it was decided to constitute a Committee under Principal Chief Engineer-I, CEA, with representatives from NPC Division, CEA, HRD Division, CEA, RPCs, POWERGRID and NPTI to identify the requisite courses and finalize the training curriculum, certification framework and examination methodology, keeping in view the practical requirements of protection audit and system operation. The finalized course structure and examination framework shall be submitted to the next NPC Meeting for consideration and approval.

- **The above is submitted for information of the PCSC Members.**

32. Installation of OPGW on Existing Lines of ISTS and STU Networks

During the 17th NPC Meeting held on 27.02.2026, CTUIL was advised to place the proposal for installation of OPGW on existing ISTS lines before the NCT after obtaining approval from the concerned regional forums. Subsequently, the proposal was approved by the NCT across all regions.

During the 18th NPC Meeting, COO, CTUIL, informed that approximately 18,000 km of OPGW works had been approved across ISTS and intra-State networks, comprising approximately 17,000 km in the ISTS network and 1,000 km in intra-State networks. The need for timely implementation of associated Fibre Optic Terminal Equipment (FOTE), in coordination with the OPGW implementation schedule, was emphasized.

It was further highlighted that several planned ISTS transmission schemes have corresponding intra-State transmission systems, including systems at and above the 220 kV level. Accordingly, CTUIL was advised to identify such schemes on a State-wise/region-wise basis and communicate the details to the CMDs of the concerned STUs to ensure alignment of implementation timelines.

It was decided that CTUIL shall identify ISTS transmission schemes having corresponding intra-State transmission systems, including those at and above the 220 kV level, and communicate the details to the concerned STUs for aligning implementation schedules.

- ***The above is submitted for information of the PCSC Members.***

33. Sending Agenda items for the PCSC meetings

The entities are requested to furnish the agenda, if any, to deliberate in the ensuing monthly PCSC meeting by 25th of the preceding month to SRPC.

34. Date & Venue of next PCSC meeting

Date & Venue of 149th PCSC meeting would be informed in due course.

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