

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति बेंगलूर- 560 009		 सत्यमेव जयते	Government of India Central Electricity Authority Southern Regional Power Committee Bangalore- 560 009	
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सं/No.	SRPC/SE(O)/150 th OCC/2018-19	दिनांक/ Date	04.12.2018	

सेवा में / To: संलग्न सूचि के अनुसार / As per enclosed list

प्रचालन समन्वय समिति की 150 वी बैठक की कार्यसूची ।

AGENDA FOR THE 150th MEETING OF THE OPERATION COORDINATION COMMITTEE

महोदय / Sir,

दक्षिण क्षेत्रीय विद्युत समिति की प्रचालन समन्वय समिति की 150 वी बैठक दिनांक 10 दिसंबर 2018 (सोमवार) को बागलकोट में आयोजित होगी। बैठक की कार्यसूची आपके अवलोकनार्थ हमारा वेबसाइट www.srpc.kar.nic.in में अपलोड किया गया है ।

समीक्षा तैयार करने हेतु आपकी प्रणाली से संबंधित आंकड़े को कृपया दिनांक 05 दिसंबर 2018 तक भेजने की कृपा करें।

The agenda for the 150th Meeting of the Operation Coordination Committee to be held on 10th December 2018 (Monday) at **0930 hrs** at Bagalkot is uploaded in our office website www.srpc.kar.nic.in for your perusal.

Kindly arrange to send the data in respect of your system latest by 5th December 2018 to enable this office to prepare review sheet etc.

भवदीय / Yours faithfully



(असित सिंह / ASIT SINGH)

अधीक्षक अभियंता

SUPERINTENDING ENGINEER

**Southern Regional Power Committee Bangalore
Agenda for the 150th Meeting of Operation Coordination Committee
to be held on 10.12.2018 at Bagalkot**

- 1 Confirmation of the Minutes of the 149th Meeting of OCC of SRPC conducted on 12th November 2018 at KKNPP.

2 MAJOR ISSUES

2.1 4th Amendment –DSM Regulations

- CERC, Deviation Settlement Mechanism and Related matters(4th Amendment) Regulations 20018 dated 20.11.2018 is available at CERC website.
- SRLDC is requested to make a presentation on highlights in the Amended Regulations.

2.2 Presentation by States in Monthly OCC

- PPTs may highlight the **progress, achievements and challenges** in system operation of the respective states.

2.3 Agenda for Special SRPC Meeting

- MoP vide letter dated 22.11.2018 have requested for a detailed status report (by 22nd December 2018) regarding the construction of various 132 kV transmission lines and railway traction substations on request of Railways for expeditious implementation of the same.
- PCKL vide letter dated 23.11.2018 had informed that NTPC is planning to establish solar and wind hybrid plant for Kudgi Stage II in the Kudgi Complex instead of installing 2x800 MW thermal units. NTPC vide letter dated 04.10.2018 had sought in principle approval from all the beneficiaries to go ahead with the proposal. This matter needs suggestions/views from all the beneficiaries.
- Enclosing the MoP and PCKL letters SRPC vide letter dated 30.11.2018(**Annexure-I**) had informed all the SRPC members regarding the proposal for conducting a Special Meeting of SRPC to discuss the above issues.

2.4 Utilization of corridor of defunct 110 kV Supa-Ponda line for the construction of LILO of one ckt. of Narendra (existing)- Narendra (new) 400 kV D/c (quad) line at Xeldem (New)

- A meeting is proposed to be held on 7th December, 2018 CEA, New Delhi to discuss the above issue. The meeting will be chaired by Member (Power System), CEA.

2.5 ***Presentations requested from SR I, SR II, TN and SRLDC***

- Gaja cyclone had hit Tamil Nadu coast between Pamban and Cuddalore . **TN and SRLDC are requested to make presentation on the experience, lesson learnt etc during cyclone.**
- SRLDC letter regarding the precautions to be taken is at **(Annexure-II)**

2.6 ***Restoration of SGPL-NPS Line I***

400 kV SGPL-Nellore line I is out from 14.11.2018 due to insulator failure and the entire 1200 MW of SGPL generation is evacuated through SGPL-NPS Line II, in which if this line trips Grid will be losing the entire SGPL generation. SRLDC vide letter dated 30.11.2018**(Annexure-III)** had requested **SGPL to restore the line at the earliest.**

2.7 ***Staggering of Load/Overdrawal during peak hours***

- SRLDC vide letters dated 27.11.2018**(Annexure-IV)** had informed their observation regarding the sudden and abrupt load change over during morning, noon and evening peak hours in Andhra Pradesh (around 600 MW) and in Karnataka(400-750 MW) systems. Demand pattern of AP and KAR from 12.11.2018 to 25.11.2018 had been analyzed and enclosed. The sudden increase in demand causes heavy over drawals from the grid during morning peak hours and sudden decrease in load is leading to high voltages at various 765 and 400 KV substations and as well as contributing to high frequency operation in the All India Grid. **APTRANSCO and KPTCL had been requested to take up with DCISCOMs and ensure that staggering of loads is being carried out meticulously throughout the day.**

2.8 ***Establishment of telemetry – RE Generators scheduled by SRLDC***

- SRDC informed (Item No.2(i) of SRLDC Agenda) that even though the some of the RE generators (Anathpur Solar Park, Mytrah(Wind), GIREL(Wind), Orange Sironj Power Ltd.(Wind) Pavagada) had integrated to ISTS and scheduling is being carried out by SRLDC, **the telemetry is not yet established/commissioned and requested to assure the same at the earliest.**

2.9 **Scheduling/evacuation of NNTPS (1000 MW)/LTA granted**

- In the 149th OCC Meeting, the concerned entities were requested to take action as per the action plan recommended in the Meeting/VC held on 23.10.2018 and 09.11.2018 in respect of scheduling/metering/evacuation issues of NNTPS. NLCIL had informed that the bays for Neyveli-Puducherry line would be commissioned 15th December 2018.
- Subsequently CTU, Planning had replied to SRPC's letter dated 22.10.2018 which is at **Annexure-V**

2.10 **Deviations by SR Regional Entities and zero crossing violations**

- SRLDC vide letter dated 21.11.2018 (**Annexure-VI**) had furnished the data in respect of deviations by SR Regional Entities and zero crossing violations for the period from 01.10.2018 to 31.10.2018.
- It is observed that w.r.t NLC stations, deviations are more (but comparatively less than last month except for NLC TS II Expn) (NLC TS II Stage I : 377(593) Stage II: 676(878), NLC TS-I Expn :368(565) NLC Expn II: 550(875), Talcher-352(439), RSTPS Stage III-318(357), Kudgi-88(207), Simhadri II-206(145), NTECL-426(861), NTPL-701(392), TPCIL-115(74), IL & FS-1044(61), CEPL-323(139), SGPL-278(124).
- States deviations: AP-581(335), TS-696(382), KAR-429(362), KER-97(133), TN-329(430), Pudu-81(1013), Goa-1908(984). It was observed that the no. of deviations had increased w.r.t AP, TS & KAR.

2.11 **Data and Voice Channel for Demo Purpose through VSAT: Request from NERLDC**

- NERLDC had requested to extend VSAT service for data and speech channel for demonstration purpose in one of the substations in Meghalaya for a period of 12 months for monitoring the performance of communication links. SRPC vide letter dated 11.10.2018 enclosing NERPC letter dated 05.10.2018 had requested KPTCL to consider NERPC request favorably.
- Subsequently NERPC vide letter dated 27.11.2018(**Annexure-VII**) had requested SRPC to advise KPTCL to facilitate a visit by NERLDC Team to KPTCL on 10.12.2018 to familiarize with the existing VSAT facility in KPTCL system and integration with SLDC/RLDC and the technical feasibility of the project in NER.

- KPTCL vide letter dated 28.11.2018(**Annexure-VIII**) had informed **their in principle willingness to share the same** and had requested to establish/arrange the required hardware and clearances etc.

2.12 **Certification of ISTS lines between AP & TS**

- APTRANSCO vide letter dated 19.11.2018(**Annexure-IX**) had informed that TSTRANSCO had not reconciled that data (Availability for the period from January to June 2018 submitted by APTRANSCO to SRLDC/SRPC/TSTRANSCO) and requested **TS to reconcile the same to avoid further delay in certification.**

2.13 **Pending works Regarding URTDSM project**

- It was noted that in the 149th OCC Meeting that SRLDC had sought some information's from PGCIL. SRLDC further vide letter dated 22.11.2108(**Annexure-X**) had informed that no information had been received from PGCIL in this regard.
 - a) Expected date of commissioning of Auxiliary Power Supply systems at SRLDC.
 - ❖ In the 149th OCC Meeting SR II informed that **ACDBs and cables of APS** will be dispatched **by November 2018 end.**
 - b) Expected date of establishment of standby by links between SRLDC and main NLDC(Delhi) and SRLDC and Back up NLDC(Kolkotta)
 - ❖ In the 149th OCC Meeting, PGCIL had informed that the main communication link between main NLDC (Delhi) and back up NLDC (Kolkata) and SRLDC to NLDC/back up NLDC has been established. **Standby links would be established after commissioning of the PDCs.**
 - c) Date of meeting to discuss and resolve the issue in operationalising analytical applications with IIT Bombay nad Smart Grid department.
 - ❖ In the 149th OCC Meeting, PGCIL had informed that the dates for Meeting with IIT Mumbai **were awaited from the Smart Grid Department in CC.**
- In the 148th OCC Meeting, it was decided to form a group comprising of members from all the state SLDCs (two numbers each), RLDC and SRPC and this group will meet and decide exact modality for carrying out PMU data analytics so that PMU data can be put to proper use and help system operation. It was also agreed that CTU and generators may form part of this group. The nominations for this group

may be conveyed to SRPC and SRLDC and SRLDC will be main coordinator for the group.

2.14 ***RE Forecasting - Presentation by IWPA***

- In the 149th Meeting, Chief Technical Advisor, IWPA made a presentation on forecasting experience in Tamil Nadu considering last three year experience. After deliberations **TANTRANSCO was suggested to make a presentation regarding the forecasting carried out by them.** It was suggested that IWPA/NIWE and TANTRANSCO should mutually discuss the issue with the objective of improving the forecast.

2.15 ***Renewable schedule entry and carrying out proper forecast and update during intraday***

- In the 148th OCC Meeting, SRLDC had informed that they are planning a web based programme in which SRLDC forecast, SLDC forecast and actual can be loaded and viewed. It was decided to form a group for carrying out RE forecasting and assessing the forecast with actuals comprising of officers from AP, Karnataka, Tamil Nadu, Telangana, NIWE, IWPA, SRLDC and SRPC. In the 149th OCC meeting, it was noted that nominations had been received by SRLDC from TS, KPTCL & IWPA and it was agreed that nominations to RE Forecast Group would be communicated by 16.11.2018. **The Group would meet and finalise the way forward and would present the analysis in the 150th OCC Meeting.**

2.16 ***Review of islanding schemes in SR***

- In the 149th OCC Meeting, SRLDC/SPC presented on the revised Islanding Scheme (1. Ramagundam 2. Chennai 3. Neyveli 4. Kudankulam). All the entities were requested to revert back with their observations/comments by 27.11.2018.

2.17 ***DC Optimization during coal shortage/high demand period***

- In the 149th OCC Meeting, SRPC had made a presentation on Optimisation of DC
- ***After deliberations all the ISG Stations were suggested to optimise the DC during morning and evening peak hours in compliance to the decision taken in the 34th SRPC Meeting/IEGC Provisions. States were also suggested to optimize the DC for state generators during morning and evening peak hours.***

- It was noted that earlier NLDC was releasing margins based on trend of availing of LTA/MTOA. In the recent past it has been observed that though schedules are considerably less than the ATC available, market split is still happening. Earlier NLDC had assured that they will be issuing a white paper on the same describing the procedure/principle for releasing the margin. ***It was agreed that on behalf of OCC, SRPC would take up the issue with NLDC.***
- TNSLDC pointed out that some of the LTA/MTOA were being reduced during peak hours citing some technical issues. ***It was agreed that SRPC would also take up this issue with NLDC.*** TNSLDC was requested to furnish the details in this regard.
- Subsequently TNSLDC had furnished the information which is at ***Annexure-XI***

2.18 ***Furnishing of Details of Single Bus Operation***

- In the 149th OCC Meeting, all the constituents/entities were requested to furnish the information in the specified format ***positively by 15.11.2018.***
- PGCIL and SEIL had furnished the information.

2.19 ***Request for increasing Technical Minimum of NTECL Vallur Unit I to 306.6 MW***

- In the 149th OCC Meeting, after deliberations, NTECL was suggested to rectify the vibration issue by 15.12.2018. ***Request for enhanced schedule (enhanced technical minimum) would be accepted till 15.12.2018.***
- SRLDC had informed that M/s PWC had been requested to provide provision to take care of specific changes in technical minimum under such circumstances.
- Subsequently NTECL vide letter dated 15.11.2018(***Annexure-XII***) had informed that BHEL had arrived at site for inspection and exact date of revival will be intimated in consultation with OEM, M/s BHEL,

2.20 ***Physical Regulation w.r.t AP.***

- In the 149th OCC Meeting it was decided that SRLDC ***would call for a VC by 16.11.2018 to finalize the Physical Regulation w.r.t AP.***

2.21 ***Rejuvenation and Parallel operation of 220 KV System on NEW-SR Corridor***

- In the 149th OCC Meeting, SRLDC had informed that NLDC had requested the following lines to bring into service.

1. 220 KV Chikkodi - Talangade Line
2. 220 KV Chikkodi - Mudshingi Line
3. 220 KV Upper Sileru - Balimela Line

- SRPC had agreed to furnish the letter copy received from NLDC in respect of closing of Chikkodi lines to KPTCL. KPTCL agreed to furnish the observation within 10 days.
- NLDC, in this connection, vide E-mail dated 29.11.2018 had informed that a Video conference is proposed on 03rd December 2018 to discuss operational mechanism for rejuvenation of the lines .
- APTRANSCO had informed that NLDC had sought certain information regarding Revival of abandoned 220 kV D/C Line from Lower Sileru – Bommuru (vetted by SRPC) for examination of grant for funding from PSDF. APTRANSCO had furnished the same to SRPC(**Annexure-XIII**).

2.22 Testing of Primary frequency response of generators as per IEGC clause 5.2(g)

- In the 149th OCC Meeting, SRLDC had appraised the forum on Testing of Primary Frequency Response of generators as per IEGC Clause 5.2(g). In the testing SLDCs and RLDC will be involved. **SLDCs were requested to take appropriate action for generators in their control area.**

2.23 AGC at state Level- Pilot Project identification & Implementation

- States to confirm on identified units and finalize the technical specifications at SLDCs and at identified GENCO units for expediting the pilot project implementation.
- NTPC Simhadri to share the experience the operational experience at Simhadri Stage II AGC Implementation.

2.24 Scheduling of Pavagada Solar UMPP by SRLDC

- Mock scheduling of Pavagada UMPP by SRLDC would commence from 15.12.2018 (as discussed in the Meeting held on 02.11.2018). AP was to revert back on Ghani/Uravakonda and TN on Kamuthi.

2.25 Failure of KPTCL underground fiber links in Bengaluru intra-city

- In the 149th OCC Meeting, it was requested to PGCIL to take up the issue with concerned authorities and get it resolved before 30th November 2018.
- HSR to NIMHANS issue to be taken up by KPTCL.

- SR II vide letter dated 25.09.2018(**Annexure-XIV**) had informed that in order to establish protection path between NRS and SRLDC, it is proposed to extend separate fiber connectivity from NRS to SRLDC through underground /third party fiber. It is required to lay UGOFC inside the premises of NRS, KPTCL S/s, Rajaji Nagar from PGCIL manhole inside the KPTCL S/s to the entrance gate for further extension to SRLDC. PGCIL requested KPTCL to arrange the permission for laying of fiber cable inside the S/s premises.

2.26 **Ramp Rates**

- ISGS/State generators were suggested to improve the ramp rates.

2.27 **Commissioning of LILO of existing Neyveli-Pondicherry 400 kV S/c at NNTPS generation station switchyard**

- In the 149th OCC Meeting, NLCIL informed that the charging of the line is expected by first week of December 2018.

2.28 **Charging of LILO of Neyveli-Bahoor line at Karaikal**

- Puducherry was requested to arrange proper working environment at the site.
- PGCIL had informed that the S/s will be charged by this month end.

2.29 **RE Generators for Reactive Compensation & High Voltage**

- All the states were requested to examine and ensure voltage based MVAR interchange for RE generators.

2.30 **Daily Load Forecasting by SLDCs**

- SRLDC to present the error (forecast Vs actual demand) for the month of November 2018.

2.31 **Talcher Stage II data not reporting**

- NTPC Talcher had informed that reportedly they had attended the issue at their end. **End to end connectivity will be verified.**

2.32 **Scheduling of Machkund and TB Dam**

- In the 149th OCC Meeting, TSTRANSCO was requested to take action as per the decision taken in the 34th SRPC Meeting with regard to scheduling of Machkund and TB Dam.

2.33 **Status of Implementation of the revised FGD Installation/ESP Up-gradation Plan**

- CEA is seeking updated information in respect of implementation of revised FGD installation/ESP Up-gradation Plan. Status update to be furnished in a time bound manner.

2.34 **Compliance of CEA Regulations for Grid connectivity of Renewable Energy**

Sources

- The following is the updated status on RE SCADA availability as noted in the 149th OCC Meeting:

AP Wind: 3907.64/4034.17MW (96.86%) Solar: 2033/2540.78 MW (80.01%) Total: 5940.64/6574.95 MW (90.35%)	Pending SCADA availability was for RE connected distribution level and for which action had been taken for compliance.
TS Wind: 128.1/128.1 MW (100%) Solar: 3203.46/3447.57 MW (92.92%) Total: 3331.56/3575.672 MW (93.17%)	Action for balance SCADA availability at 33 kV and below was being followed up and notices had been issued.
KAR Wind: 4750.95/4794.74 MW (99.09%) Solar: 4601.55/5115.05 MW (89.96%) Total: 9352.50/9909.80 MW (94.38%)	
KER Wind: 16/59.3 MW (26.99%) Solar: 92.529/115.757 MW (79.93%) Total: 108.529/175.032 MW (62.01%)	
TN Wind: 8145.31/8311.54 MW (98%) Solar: 648/2365.63 MW (27.39%) Total: 8793.31/10677.17 MW (82.36%)	Notices had been issued for SS under 10(1) for SCADA availability. 100% SCADA availability of wind would be ensured. TANTRANSCO (Communication) and TANGEDCO (Metering) had jointly initiated action for Solar SCADA availability and was targeted to be completed by July 2018.

2.35 **Data required for development of Geospatial Energy Map of India**

- The data required (as per CEA letter dated 04.05.2018) for development of Geospatial Energy Map of India was to be furnished to CEA at email cedpd-cea@gov.in by all the concerned entities (31.05.2018 was the date). SLDCs had been kindly requested to communicate the requirements to DISCOMs and other entities in the control area.
- All the entities (wherever pending) were requested to furnish the data required for development of Geospatial Energy Map of India to CEA at the earliest.

2.36 **TTC assessment considering temperature dependent rating of lines/terminal equipment**

- SRPC vide E-mail dated 24.09.2018 had requested all the transmission utilities and states to furnish the required information by **01.10.2018 for onward transmission of consolidated data w.r.t SR to POSOCO with copy to NPC.** SRPC vide letter dated 25.09.2018 had taken up some of the issues with NLDC regarding the reassessment of transfer capability.

- **It was noted that the information is yet to be furnished.**

2.37 **State-wise allocation of 540 MW power from RGPPL to Railways**

- Allocation of 50 MW to Telangana (SCR) and 100 MW to Tamil Nadu (SR) was to be operationalized.

2.38 **Monitoring of scheme funded from PSDF**

- The latest status (as on 31.10.2018) as received from NPC is at **Annexure-XV**. All the states/entities were requested to kindly furnish the updated status in a time bound manner.
- In the 149th OCC Meeting, entities had expressed concern on non releasing of PSD funds and requested that the issue could be taken up with Higher Management for redressal.

2.39 **Installation of 2x125 MVAR bus reactors at UPCL**

- In 148th OCCM, KPTCL had informed that Planning section had communicated to PCKL in this regard and PCKL would take a call.

2.40 **Reactor commissioning at Kaiga GS**

- Kaiga GS had informed that one 125 MVAR reactor would come up by December 2019 while action had been initiated for the 2nd 125 MVAR reactor.

2.41 **PSS Tuning of generators**

- 6th Meeting of PSS Tuning was convened on 27.09.2018. Minutes are available at SRPC website. Analysis and recommendations are to be referred to take necessary action. The schedule for next SRT is also mentioned in the Minutes. All the concerned were requested to take appropriate action in this regard. **(Refer Table-I)**

2.42 **Prolonged Outage**

KKNPP Reactors:

- KKNPP had informed that for second reactor tender had been opened in May 2018 and Order would be placed in September 2018. It is expected to be commissioned by May 2019.

2.43 NLC Complex: HTLS associated enhancement works

- Powergrid had informed that for HTLS associated enhancement works at NLC, the agency had been identified. The works would be carried out through Hot line techniques.

2.44 Relocation of SPS schemes

- In the 149th OCC Meeting, SR I/SR II had informed that the commissioning of **DTPCs would be completed by end of December 2018. States were requested to complete their scope of works by end of December 2018** (refer PCSC minutes).

3 Monthly Outage Plan/ Annual Outage Plan

3.1 ISGS/CGS: Generating Units

- a) Shut Down Proposals for December 2018/January 2019
- b) Shut Down carried out during November 2018 along with reason for deviation, if any.

3.2 Request for approval of shut down

- All utilities are to submit the S/D proposals for the subsequent month by 3rd of the current month. Shutdown requests for the same month needed to be avoided. An outage coordination group had been created (sr_outage_coordiantion@googlegroups.com) for review of the previous OCC approved shut downs (construction/critical).

4 LGBR for upcoming five months

4.1 TTC/ATC computations

- All states were requested to furnish PSSE base case for March 2019.
- 5 months LGB, Converged PSSE base case, ATC/TTC computation furnished to SRLDC, ATC, TTC computation posted on SRLDC website and Nodal officer details.

5 Review of Power Supply Position /Inflows

Constituents/ Generators to furnish the reasons for deviation:

- a) Actual with respect to anticipated (MW & MU) for availability and requirement.
- b) Generation variation category wise with respect to MoP targets/LGBR figures.
- c) Inflows (MU) to major reservoirs: Actual w.r.t. 10 year moving average and w.r.t. same month last year.
- d) Reasons for demand -supply gap and its variation

6 Frequency

6.1 **High Frequency**

- Constituents are advised to kindly avoid uneconomic operation at high frequencies

6.2 **Low Frequency**

- Summary statement of different violation messages issued by SRLDC.
- In the 146th OCC Meeting, it was agreed that SRLDC would communicate the instances of sustained OD and UD by 05th of each month to states and the reason and action to avoid such instances would be discussed in OCC meetings.
- As discussed in the 145th OCC meeting, TNSLDC was to come out with **independent drawal computation for the state as being done by other states in the region.**

7. **VOLTAGE PROFILE**

7.1 **Low voltage**

Details of Capacitors installed during November 2018. Details of the healthy/faulty capacitors to be furnished. Capacitor requirement for the year 2018-19.

7.2 **High Voltage**

SRLDC may furnish the details/issues.

MVAR Interchange

- All the SLDCs to kindly monitor VAR absorption/injection of generating units in their respective control areas in real-time. SRLDC had suggested MVAR tests for Rayalseema, Kudgi and IL & FS would be taken up this year.
- A Special Meeting to deliberate on MVAR interchange was carried out on 26th September 2018 at SRPC Bengaluru. (Meeting minutes are available at website)

7.3 **Status review of Bus/Line Reactors, Line Reactors and STATCOM**

- Status of implementation of Bus / Line Reactors approved in the Standing Committee / SRPC pending for commissioning by the SR constituents. (**Refer table-II**)

7.4 **Capacitor Installation status:(Refer table-III)**

8 **Network Protection/Security issues**

8.1 **U/F &df/dt Relays Schemes**

- SRLDC had informed that the AUFR/df/dt relay validation had been completed for all the states except Karnataka. Karnataka had sent the revised feeders list. Validation list needed to be finalized.
- **Report highlighting the deficiency and action to be taken had been brought out. All the states to take action to comply with the observations.**
- All the states (wherever pending) were requested to furnish the average loadings of individual feeders (as sought by SRLDC) at the earliest. Additional comments based on the assessment of the average values would also be finalized and communicated.
- **Status update by SRLDC.**

8.2 **Status update of SCADA mapping of feeders of AUFR &df/dt schemes**

State	SCADA mapped %	Status
AP	59	There is further requirement of around 175 RTUs to cover up to all 132kV SS and will be completed in phased manner with PSDF funding under reliable Communication project of MoP. Tender has been floated for procurement of RTUs along with communication equipment. Commercial bid has opened and LOA is to be given
TS	79	For 29 RTUs, Orders had been placed. By October end supply is expected. 92-93 % visualization is expected by commissioning of these RTUs. There is an additional requirement of 11 RTUs for railway feeders also.(earlier 18 RTUs) With this they were likely to achieve 100% mapping. & PSDF fund is requested for balance 7 RTUS(for achieving 100 %).
KAR	101	
KER	119	
TN	105	Additional RTUs needed to be procured for 100% SCADA mapping. Transducers to be procured.
Pudu	92	
SR	94	

8.3 **RGMO/FGMO**

- RGMO implementation/ Extension of RGMO status point to SLDC (**Refer Table-V of Appendix**).
- As per 5th Amendment to IEGC, gas stations above 50 MW Installed Capacity were also to come under RGMO/FGMO Operation w.e.f. 1st October 2017. All the SLDCs were requested to take up the issue of non-performance of RGMO/FGMO with MI with the respective generators.

- A Special Meeting was convened on 26.08.2018 at SRPC Bangalore to discuss on FGMO/RGMO related issues. **Minutes of the Meeting are available at SRPC website**
 - SRLDC had informed that Google spreadsheet for RGMO response had been posted again and mail to all as decided in the Special Meeting. Nodal Officer details also had been added. All the generators were requested to fill the validated data in case not filled yet.
 - **It was also agreed that a VC may be held with the SLDCs (one at a time) after one month with participation by SRLDC & SRPC to review the performance. Inadequate response was needed to be taken up by SLDCs with respective SERC's in line with Hon'ble CERC Orders in respect of Petition No. 84/MP/2015 and 302/MP/2013. The non-performance of the generators under SRLDC control would be taken up by SRLDC with the respective generators.**
 - KPTCL had informed that they had convened the state level Meeting on 28.10.2018. Minutes of the Meeting will be issued shortly.
- 8.4 **Automatic Demand Side Management Scheme (Petition No. 250/MP/2012) & GSES (Petition No. 265/MP/2012)**
- Status update
- 8.5 **Grouping of loads (IEGC clause 5.4.2 (e))**
- Regulations to be complied by all the concerned utilities
- 9 **LVRT Implementation**
- Status update.
- 10 **Emergency Restoration System (ERS)**
- As per ERS requirement outlined in MoP letter dated 05.12.2014, status update on ERS is given at **Table IV of Appendix**. The same is furnished to CEA vide E-mail dated 08.10.2018 as required by them.
- 11 **SCADA AND COMMUNICATION**
- Any specific issues may be brought to the forum.
- 12 **TRANSMISSION NETWORK ISSUES AND SYSTEM OPERATION ISSUES**
- SRLDC to bring out the specific issues.
- 13 **Black Start Procedure**
- Mockdrills conducted in November 2018.
 - Mockdrillsscheduled for December 2018 & January 2019 to June 2019.
 - Point to point mock exercise for black start by all constituents
 - **Mock drill at Kaiga GS and MAPS.**
MAPS vide E-mail dated 30.11.2018 had informed that 230kV BUS-B is under permit for carrying out the bus maintenance from 28-11-2018 and normalization is planned 30-11-2018 approximately between 18-00 to 22-00

hrs. It is planned to carry out the Black start procedure w.r.t. MAPS, Kalpakkam during this time.

KGS had informed that the Unit I will be taken out at the end of December 2018 and during this period they are planning to conduct the Black Start

- TSTRANSCO had informed that TSGENCO was planning to procure DG set of appropriate capacity for Jurala HEP.
- Mock drill of Bhadravathi HVDC back to back.
- Proposed Black start study workshop **21st to 23rd January 2019**. (i) Reviewing and finalizing SR BSRP procedure 2019 with appropriate studies. (ii) Representation from Railways requested on 23rd for updating procedure w.r.t traction supply(SRLDC Agenda item 2 (e))

14 Upcoming Generating Stations

- Status update of Central sector and State Sector Upcoming generating stations are at **Table VI of Appendix**.
- Declaration of COD letter from SLDC was required to be submitted to CEA, Fuel Management Division for purpose of coal linkages etc.

15 Any other point with the permission of the Chair.

16 Date and Venue of the next Meeting

Appendix Follow up Issues

REMC Project Training	4 th and 5 th modules completed in July 2018.6 th module on RE forecasting completed in August 2018. 7 th and 8 th module on system hardware is scheduled in December 2018
VC facility	➤ Puducherry to take up VC requirement in 2018-19
Closing of 220 kV Upper Sileru- Balimela line	➤ Idle charged from 8 th January 2015 from Upper Sileru end.
PMU Status	➤ PGCIL informed that a separate meeting will be called to discuss on the second stage after stream lining/usage of the first stage.

TABLE I PSS TUNING

SRT of following units had been analyzed upto 6th Meeting of PSS and necessary action had to be taken as per Recommendations

Entity	Generating Stations/Units
APGENCO	Rayalaseema TPS U1 to U5; VTPS U1 to U4 & U7; SDSPP U1&U2; Srisailam RB HEP U1 to U7; Lower Sileru HEP U1
AP IPP	HNPCL U1 & U2
TSGENCO	Nagarjunasagar HEP U1 to U8; Srisailam LB HEP U1 to U6; Kakatiya TPS U1 & U2; Kothagudem TPS U7 to U11 [U9 to U11: 22-12-18]; Singareni Collieries U1 & U2
KPCL	Raichur TPS U1 to U8 [U5: 24-11-18, U6 & U7: 17-12-18, U8: 19-11-18]; BTPS U1 to U3 [U1: 15-10-18, U2: 31-12-18]; Varahi UGPH HEP U1 to U4; Nagjheri HEP U1 to U6; Sharavathy HEP U1 to U10
KAR IPPs	UPCL U1 & U2 [U1: 04-10-18, U2: 23-10-18] ; JSWEL U1 to U3
KSEBL	
TANGEDCO	MTPS St-I U1 to U4; NCTPS St-I U1 to U3; Tuticorin TPS U1 to U5; NCTPS St-II U1, U2(U2 Report submitted for analysis); Kadamparai HEP U1 & U2, Mettur St-III
TN IPPs	
CGS	NTPC- Ramagundam U3, U4 & U7; NTPC-Simhadri U1 to U4; NTPC-Talcher STPS St-II U3 & U6; NTECL-Vallur TPS U1 to U3; NLC-Neyveli TPS II U4 to U7; NLC-Neyveli TPS II U1 to U3; NPCIL-KGS U2, U4(Full Report not submitted for U4); NPCIL-KKNPP U1 & U2; NLC-Neyveli TPS II Exp. U1 & U2; (NLC & TN JV) NTPL U1; NTPC-Kudgi U1 & U2
ISTS connected IPPs	TPCIL U1 & U2; Coastal Energen U1 & U2; IL & FS U1 & U2 [U1: 12-04-18]

- For the following Units, PSS is to be tuned and SRT to be carried out / information not available.

Entity	Generating Stations/Units
APGENCO	VTPS U5 & U6; Lower Sileru HEP U2 to U4
AP IPPs	
KPCL	Yeramarus TPP
KAR IPPs	JSWEL U4
KSEBL	Idukki HEP U1 to U6
TANGEDCO	Kadamparai HEP U3 & U4
TN IPPs	STCMS
CGS	NTPC-Ramagundam U1, U2, U5 & U6; NLC-Neyveli TPS I Exp. U1 & U2 (SRT reports not submitted) [U1: 12-10-18, U2: 05-11-18]; NTPC-Talcher STPS St-II U4, U5; NTPC-Kudgi U3; NPCIL- KGS U1, U3 [U3: 19-4-10]; NPCIL-MAPS U1 & U2 [U1: 11-01-09, U2: 03-08-06]
ISTS connected IPPs	Lanco Stage II & III; SGPL-Nellore; SEL U1 to U4; MEL U1 & U2

- Note: In the above two tables the date [in “dd-mm-yy” format] mentioned in the braces represents 3 years completion of PSS tuning of the AVR

of the generating units upto December 2018. PSS tuning is to be again carried out for these units

Table –II- Reactor Installation Status

Entity	Bus Name	Status	REMARKS
KPTCL	Hoody	Reactor erected on platform.	March 2018
	Nelamangala	Reactor erected on platform	March 2018

Entity	Bus Name	Capacity in MVAR	Approved in	Type	Remarks
PGCIL	Yelahanka	2x63	40 th SC	Bus	Deferred as per 40 th SCPSPSR. When Madhugiri line will come it will be expedited.
	Cuddapah	50 to 125	39 th SC		Yet to be awarded
	Kurnool 765 kV	2 x 240			42 nd SCPSPSR
	Raichur 765 kV	2 x 240			42 nd SCPSPSR
	Thiruvalam 765 kV	2 x 240			42 nd SCPSPSR
	Pavagada	2 x 125			42 nd SCPSPSR
	Nellore (PG)	2 x 50	42 nd SC	Line to Bus	
	Hosur	63 to 125	42 nd SC	Bus	
	Madhugiri	63 to 125	42 nd SC	Bus	
	Dharmapuri	125	42 nd SC	Bus	
	Hiriyur	125	42 nd SC	Bus	
	Pugalur	125	42 nd SC	Bus	
	Pugalur HVDC	2 x 125	42 nd SC	Bus	
APTRANSCO	Vemagiri	125	36 th SC	Bus	December 2017 – LOA issued on 18.06.2017
	Kurnool	125		Bus	December 2017 – LOA issued on 18.06.2017
	Kalpaka	125		Bus	March 2018
	Chittoor	125	39 th SC		APERC approval awaited
	Vijayawada	125	39 th SC		It was noted that a separate reactor at Vijayawada in scope of AP had been identified.

					The exact location could be firmed up by APTRANSCO.
	Uravakonda	125	42 nd SC	Bus	
	Uravakonda	80			42 nd SCPSPSR
	Jammalmadug u	80			42 nd SCPSPSR
	Sattenapalli	125			42 nd SCPSPSR
	Rachagunneri	125	42 nd SC	Bus	
	Hindupur	80 to 125	42 nd SC	Bus	
APGENCO	VTPS Stage IV	125	39 th SC		APGENCO informed that reactor enquiry was being taken up. It was noted that this reactor was different from the APTRANSCO reactor.
	Polavram HEP	2 x 125	42 nd SC	Bus	
KPTCL	Davanagere	125	39 th SC		41 st SCPSPSR: Members agreed with already approved additional reactors of 1x125 MVAR (400kV) each at Talaguppa and Davanagere 400/220kV Substations.
	Talaguppa	125	39 th SC		
	C N Halli	2 x 125	42 nd SC	Bus	42 nd SCPSPSR : KPTCL stated that they will send their consent within 15 days of the meeting.
	Jagalur	2 x 125	42 nd SC	Bus	
KPCL	Yeramarus	125	42 nd SC	Bus	
	Bellary	2 x 125	42 nd SC	Bus	
KSEBL	Wayanad	125	42 nd SC	Bus	
TANTRANSCO	Almathy	125	39 th SC		Specification under process
	Manali	125	39 th SC		
	Kayathar	125	39 th SC		
	Kamuthi	2 x 80			42 nd SCPSPSR
	Virudhnagar (765 kV)	2 x 330	42 nd SC	Bus	
		2 x 330	42 nd SC	Line	
	Coimbatore (765 kV)	2 x 240	42 nd SC	Line	
	Kayathar	125	42 nd SC	Bus	
	Kamuthi	125	42 nd SC	Bus	
	Thappagundu	125	42 nd SC	Bus	
Kadaladi	125	42 nd SC	Bus		

	Parali	125	42 nd SC	Bus	
	Arni	2 x 125	42 nd SC	Bus	
	Velalividu	125	42 nd SC	Bus	
TANTRANSCO/ TANGEDCO	Mettur	125	39 th SC		To be diverted from Palavadi and works to be taken up.
TSTRANSCO	Mamidipally	125	36 th SC	Bus	Commissioned
	Asupaka	80			42 nd SCPSPSR
	Suryapet	125	42 nd SC	Bus	42 nd SCPSPSR: TSTRANSCO stated that they will send their consent within 15 days of the meeting.
	Raidurg	2 x 125	42 nd SC	Bus	
	Kamalapuram	125	42 nd SC	Bus	
	Narsapur	125	42 nd SC	Bus	
	Maheshwaram	125	42 nd SC	Bus	
	Tippapur	125	42 nd SC	Bus	
	Manikonda	125	42 nd SC	Bus	
	Jangaon	125	42 nd SC	Bus	
	Choutuppal	125	42 nd SC	Bus	
	Yellampalli	125	42 nd SC	Bus	
TSTRANSCO/ TSGENCO	Srisailam LB	125	39 th SC		42 nd SCPSPSR: CEA Meeting (06.02.2018)- It was decided that a team comprising officers from CEA, CTU and TSTRANSCO would visit SLBHES switchyard to explore the feasibility to accommodate the reactor (125 MVAr).
NPCIL	Kaiga	2 x 125		Bus	One reactor by December 2019. For 2 nd reactor, NPCIL will get in touch with PGCIL.
UPCL	Udupi	2 x 125	39 th SC		41 st SCPSPSR: It was informed that the requirement was

					assessed based on system studies, therefore, it was decided that the decision taken in 39 th SC Meeting may be implemented.
NLC	NLC TPS-II 2 nd Expansion	125	42 nd SC	Bus	

Table III- Capacitor Installation

Utility	Reactive Power Planning	Voltage level	Remarks
APTRANSCO	Kadapa: 187.2 MVAR Vijayawada:144 MVAR Visakhapatnam:165.6 MVAR	On 33 kV side	50.4 MVAR commissioned 21.6 MVAR commissioned 7.2 MVAR commissioned
APSPDCL	640 MVAR		22 MVAR commissioned
APEPDCL	234 MVAR		127 MVAR commissioned.
KPTCL	Bengaluru Tr. Zone:784 MVAR	12.1 kV	LOA issued. 30 MVAR Installed
	Bagalkot Tr. Zone :258.1 MVAR	12.1 kV	Material supplied. Erection completed/under progress. 78.3 MVAR Installed
	Hassan Tr. Zone 150.8 MVAR		Material supplied. Erection completed/under progress. 43.5 MVAR Installed
	Mysore Tr. Zone :60.9 MVAR		60.9 MVAR commissioned
	Gulbarga Tr. Zone :98.60 MVAR		Installed Nil
	Tumkur Tr. Zone :281.3 MVAR	12.1 kV	46.4 MVAR commissioned. 34.8 MVAR EI approval awaited.
Telangana	TSNPDCL: 288 x 2 MVAR 110x1 MVAR TSSPDCL: 223X2 &48X1 MVAR		282 x 2 MVAR commissioned 110 x 1 MVAR commissioned. 72X2 MVAR & 32X1 MVAR commissioned.
KSEBL	360 MVAR	66 kV	Works will be taken up after approval.
		11kV	
TANGEDCO	34 x 2.4 MVAR	11 kV	16 numbers 22 kV capacitor banks commissioned. M/s
	16 x 2.4 MVAR	22 kV	

			Herodex not completed balance works. Action is being taken to short close the LOA/PO
	94 x 2 MVAR	11 kV	IPDS tender to be floated for revised requirement of Auto type capacitor Bank
	78x2. MVAR	11 kV	DDUGJY - Tender to be floated for revised requirement of Auto type capacitor Bank
	13 x 2.4 MAVR	110 kV	PO placed on M/s Shreem Electric Limited and under execution
	Erection of 80 MVAR of BR at Kamuthi 400 kV S/S		BLTC Note for approval of specification sent to A/c Br.
	101 x 2.4 MVAR	11/22 kV	Erode region: Tender to be floated
	32 x 2.4 MVAR	11/22 kV	Vellore Region: Tender to be floated
	82 sets of 11 kV, 2.4 MVAR Capacitor Banks in Coimbatore Region	11 kV	BLTC recommended for retendering.
	822 MVAR capacitors at Distribution level had been commissioned out of 931 MVAR capacitors planned.		Balance 109 MVAR to be commissioned. However, for further enhancement of Reactive Power, Capacitor bank provisions have to be arranged by Planning/Transmission wings.

Table –IV- ERS status

State-wise Emergency Restoration system for SR (as on 08.10.2018)				
Transmission Licensee	Requirement of Total no of ERS in State	Number of ERS available in state	No of ERS to Be Procured	Remark if Any .

APTRANSCO	3	2	1	33rd TCC (10.08.2018): ERS III would be taken up through own funding and is under process.
TSTRANSCO	1	0	1	33rd TCC (10.08.2018): Tendering under progress.
KPTCL	2	2	0	
KSEBL	1	0	1	33rd TCC (10.08.2018): ERS would be taken up through own funding.
TANTRANSCO	2	0	2	33rd TCC (10.08.2018): ERS would be taken up through own funding.
Puducherry ED	0	0	0	
PGCIL-SRTS-I (400 kV)	2	2	0	
PGCIL-SRTS-II (400 kV)	2	2	0	
PGCIL-SRTS-I (765 kV)				33rd TCC (10.08.2018): Under inspection. Expected by January, 2019.
PGCIL-SRTS-II (765 kV)				33rd TCC (10.08.2018): Under inspection. Expected by January, 2019.
RSTCPL	Special meeting (31.07.2018): RSTCPL informed that they were in contact with M/s Sterlite to have tie up for ERS and for which enquiry has been raised			
KTL	Special meeting (31.07.2018): KTL had been suggested to have an arrangement for restoration of transmission lines			
PVTL	Special meeting (31.07.2018): PVTL informed that they had an agreement with PGCIL and sharing of ERS (on chargeable basis) was in place			
PNMTL	Special meeting (31.07.2018): PNMTL informed that they had an agreement with PGCIL and sharing of ERS (on chargeable basis) was in place			
MTL	Special meeting (31.07.2018): MTL had been suggested to have an arrangement for restoration of transmission lines			

Table-V
RGMO status extension to SLDC/SRLDC

State/Entity	RGMO Status extension to SLDC/SRLDC	Comment
TS	Thermal updated. Hydro Manually updated at the TSSLDC	TSTRANSCO is requested to take up the issue with GENCO and solve the issue
KAR	RTPS-4, Supa and LDPH	RTPS Unit IV: will be made available during R & M works. LDPH: Carried out the works. Complete wiring is over. Extended upto SLDC. Supa: yet to be carried out.
KER	Sholayar	Sholayar: One unit is out of service and is undergoing Renovation and RGMO/FGMO with MI will be available when the unit is put back after Renovation. The Renovation of other two units will be carried out subsequently.

Table –VI Generating Units- Under Progress

Central Sector

Station	Unit	Installed Capacity MW	Scheduled date of synchronizing / commissioning	Remarks
NTPC				
Telangana STPP Phase I		2 x 800	U-1 CoD May 2020 U-2 CoD December 2020	
Pudimadaka AP		4 x 1000	52 Months from Zero Date	85% share to AP. Zero date yet to be finalized. AP requested NTPC to firm up the zero date at the earliest. AP informed evacuation system would be developed by PGCIL
NLC				
New Thermal Power Project	I	500	Synchronisation by December 2018	
	II	500	First Synchronisation by April 2019.	
TPS –II 2 nd Expn	1&2	2 x 660		42 nd SCPSPSR: Seeking connectivity for 1320

				MW w.e.f. 01.04.2021
NPCIL				
BHAVINI				
Kalpakkam (PFBR)	I	500	Synchronization by 2017-18 COD by 2017-18 Synchronization by	
KKNPP	III & IV		2023 & 2024	
UMPP				
Krishnapatnam		3960 (6 x 660)		APEPDCL and PCKL had taken steps with their legal counsel to expedite the hearing before Honorable High Court of Delhi
Cheyur		4000		New bids would be called

NEW PROJECTS OF STATE SECTOR & IPP

SI No	Name of project	Located in	Capacity in MW	Commissioning Schedule /Remarks
1	Rayalaseema TPS ST-IV	AP	1 x 600	2018-19
2	Dr. NTPS, Vijayawada	AP	1 x 800	June 2019
3	Krishnapatanam Stage II (U3)	AP	1 x 800	
4	Polaki	AP	4000 (5 x 800 MW)	
5	Edlapur	KAR	1 x 800	
6	North Chennai Stage III	TN	1 x 800	2019-20
7	North Chennai Stage IV	TN	2 x 800	Beyond 2019-20
8	Ennore TPS Exp	TN	1 x 660	2018
9	Ennore replacement	TN	1 x 660	2018
10	Udangudi Stage I	TN	2 x 660	2019-20
11	Uppur TPP (TBCB)	TN	2 x 800	2019-20
12	Manuguru PPP	Telangan a	4 x 270	U1 : March 2018 U2: June 2018 U3: Sep 2018 U4:Dec 2018
13	Kakatiya TPP Stage	Telangan	1 x 800	2017-18

	III	a		
14	Kothagudem TPS Phase VII	Telangana	1 x 800	December 2018
15	Damaracherla (Yadadri)	Telangana	5 x 800	U1 &2 Nov 2020 U3to5 20121

IPPs

SI No.	Name of project	Located in	Capacity in MW	Commissioning Schedule /Remarks
1	Meenakshi PH-II	AP	2 x 350	2017-18 Untied: 640 MW
2	East Coast Energy Thermal	AP	2 x 660	2017-18 AP : 300 MW
3	Thermal Powertech (TPCIL) Unit-III	AP	1 x 660	2017-18
5	Godhna TPP, Janjir – Champa Dist, Chhattisgarh	For KAR	2 x 800	2017-18

Data to be submitted

	Data to be furnished	By whom	To whom	Frequency	Comments
1	OCC approval requests for Generation Units Outages	Generators	SRPC/SRLDC	3 rd of every month	
2	ISTS/State Sector Transmission Lines and Elements Outage Proposals	Transmission Licenses/Generators	SRPC/SRLDC	3 rd of every month	Outage proposals for the months of December/January 2018 in respect of Central and State Transmission lines and elements are to be submitted
An outage coordination group had been created (sr_outage_coordiantion@googlegroups.com) for review of the previous OCC approved shut downs (construction/critical).					
3	Availed and non-availed transmission elements report	SRLDC	Requestors/SRPC	3 rd of every month	
4	Comments/Reasons for non-availing the	Transmission License	SRPC/SRLDC	6 th of every month	

	shut down.	es/Generators			
5	Mid review Outage proposals	Transmission Licenses/Generators		23 rd of every month	
6	Annual Outage plan schedule vs Actual maintenance	All Generators	SRPC	Monthly	Information is required for the Annual Outage Plan Deviation Report being submitted to CERC. (CGS, State & IPPs) and Transmission Licensees
7	<i>Reasons for demand-supply gap and its variations</i>	Constituents	SRPC for further communication to MoP/CEA	Every month along with PSP	MoP/CEA specifically needed the reasons for load shedding like transmission constraints, distribution constraints, regulatory constraints viz the power purchase not allowed beyond an agreed cost or quantum, natural calamities, tripping of some of major transmission lines etc. All the constituents to furnish the information in the specified format. Even if load shedding is zero a 'Nil' report needed to be furnished on monthly basis.
8	LS(In MU/MW)	States	SRPC/S RLDC	Monthly	
9	Bilateral Purchases	states	SRPC/S RLDC	Monthly	
10	Installation/healthy capacitors	All Constituents	SRPC/S RLDC	Monthly	Installation & ensuring healthiness of capacitor banks at distribution level should be ensured by all the constituents.
11	MVAR Interchange/MVAR capability testing	All Generators/SLDCs	SRPC/S RLDC	4 th of every month	All the SLDCs to kindly monitor VAR absorption/injection of generating units in their respective control areas in real-time. Order of Hon'ble CERC dated 23.12.2009 merited attention in this regard. All agencies needed to provide required reactive compensation thus avoiding the need for exchange of reactive power to/from ISTS and maintain ISTS voltage within specific range.
12	AUFR & df/dt schemes	All constituents	SRPC/S RLDC	Updates if any changes	Details of the feeders implemented in AUFR & df/dt schemes along with the status of SCADA mapping as per the specified Formats.

13	Detailed report of operation of AUFR	All constituents	SRPC/S RLDC	Daily basis	In accordance with clause 9 (2) of CEA (Grid Standards) Regulations, 2010. It was noted that only KSEBL and PED were submitting the daily report regarding operation of relays.
14	Upcoming Wind/Solar Projects	All Constituents	SRPC/S RLDC	Monthly	Procedure for RE Frameworks had been notified and is available at NLDC website.
15	Outage deviation report	All States/Entities	SRPC/S RLDC	Monthly	Outage plan deviation Generating Units/Transmission Elements of Southern Region needed to be submitted by all the concerned which is to be communicated to Hon'ble CERC.
16	Power Supply to Rural Areas	All DISCOMS	SRPC	First week of the month for previous month.	In the Meeting held at MoP on 09.04.2014 it had been decided to collect the data invariably from DISCOMs. It is requested that the data in this regard in the required format may please be arranged to be communicated to SRPC Secretariat at the following E-mail addresses: msssrpc-kar@nic.in / seoprnsrpc@kar.nic.in
17	Status of implementation of the recommendations of the Enquiry Committee			3 rd and 17 th of every month	
18	Energy Generation data Management from Renewable Energy Sources	All the states	To CEA with a copy to SRPC	Monthly	
19	Power supply hours in various States/UTs (Rural and Urban areas)	All States	SRPC	Monthly	For Replying to Parliament Questions: CEA Requirement

20	Physical and Cyber Security/Crisis Management Plan/Black Start Procedure		CEA/SRPC	Quarterly	Cyber Security: To be furnished to Chief Engineer, DPD, CEA, Sewa Bhavan, New Delhi-110066. Physical Security, other Mock Drills for CMP, Mock Drill for Black Start Restoration: Chief Engineer, DMLF, CEA, Sewa Bhavan, New Delhi-110066. Information required by CEA (vide letter dated 26.11.2013) regarding Security of power installations was to be furnished to CEA.
21	Declaration of availability and healthiness of various protection / defense mechanism	All States	SRLDC/SRPC	Monthly	Validated certificates needed to be communicated in a timely manner.
21	Tripping Details/Reports	All the concerned	SRLDC		Within 24 hrs as per IEGC/CEA regulations. Para 29 of Hon'ble CERC Order dated 20.02.2014 in respect of Petition No.146/MP/2013 was brought to attention of the OCC.
22	Compiled Telemetry status	Utility wise			As directed by Hon'ble Commission Hon'ble Commission vide order dated 19.12.2013 on Suo-moto petition No. 56/SM/2013 had directed all the utilities to provide the required telemetry within six months of this order. It was requested that MAPS, KGS & KKNPP may please furnish the compliance status of pending SCADA inputs the earliest. Details in this regard were available on SRLDC web site. For KKNPP only 2 points are pending w.r.t GT tap position. Re-tendering was going on and it will take 5 more months to complete the works.
23	Prolonged outage	States	SRPC/SRLDC	Monthly	All constituents were requested to convey the schedule of revival for the elements under prolonged outage to SRPC, which was to be reported to Hon'ble CERC on monthly basis. (CERC Order on petition no 146/MP/2013).
24	Nodal Officer list : Disaster Management	All utilities	SRLDC	Update	The updated status as per the information available with SRLDC has already been shared.

25	Presentation on Operational issues	All States/ Entities	SRPC/ SRLDC	5 th of every month	
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