


भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति बेंगलूर- 560 009				Government of India Central Electricity Authority Southern Regional Power Committee Bangalore- 560 009	
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सं/No.	SRPC/SE(O)/145 th OCC/2018-19	दिनांक/ Date	05.07.2018		

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

प्रचालन समन्वय समिति की 145 वी बैठक की कार्यसूची ।

AGENDA FOR THE 145th MEETING OF THE OPERATION COORDINATION COMMITTEE

महोदय / Sir,

दक्षिण क्षेत्रीय विद्युत समिति की प्रचालन समन्वय समिति की 145 वी बैठक दिनांक 17 जुलाई 2018 (मंगलवार) बेंगलुरु 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 09 जुलाई 2018 तक भेजने की कृपा करें।

The agenda for the 145th Meeting of the Operation Coordination Committee to be held on 17th July 2018 (Tuesday) at 1000 hrs at **Bengaluru** 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 09th July 2018 to enable this office to prepare review sheet etc.

KPTCL had kindly agreed to host the Meeting. Venue and coordinators details are available at SRPC website.

भवदीय / Yours faithfully

ASIT SINGH

(असित सिंह / ASIT SINGH)

अधीक्षक अभियंता

SUPERINTENDING ENGINEER

Southern Regional Power Committee Bengaluru
Agenda for the 145th OCC Meeting of Operation Coordination Committee
to be held on 17.07.2018 at Bengaluru

- 1 Confirmation of the Minutes of the 144th Meeting of OCC of SRPC held on 12th June 2018 at SRPC, Bangalore.

2 MAJOR ISSUES

2.1 Tripping of 400 kV lines connected to 400kV Uravakonda SS

- It is observed that 400 kV lines connected to 400 kV Uravakonda S/S are tripping frequently due to high voltage. 400 kV Uravakonda SS, 400 kV Jammalamadugu SS and 400kV Mahabubnagar SS voltages are persistently very high. There were two instances of complete outage of 400 kV Uravakonda SS and 400kV Jammalamadugu SS during June 2018.
- SRPC vide letter dated 03.07.2018(**Annexure-2A**) had taken up this issue with APTRANSCO. It was proposed to constitute a Group of officers from SRPC, SRLDC and States who will visit the major RE nodes facing high voltage and suggest any improvement in the Operating Procedure.
- SRLDC vide letter dated 08.06.2018 had raised issues regarding persistent high voltage condition in 400kV and 220kV grid at Uravakonda and Jammalamadugu. (**Refer SRLDC Agenda item 2(b)**)

2.2 Review of Physical regulations adopted in Southern Region during distress situation of Grid

- Physical Regulatory measures are identified with the aim to enforce Grid discipline on the constituents to ensure Grid Security. SRLDC suggested that the Physical Regulatory measures which were approved by OCC earlier needs to be revised due to major network changes (addition of transmission elements and generating stations). Reviewed physical regulatory measures has been proposed by SRLDC (refer SRLDC Agenda Item 2(c))

2.3 Charging of LILO portion of 400kV Neyveli-II-Pondy line as Antitheft measure

- SR II, Powergrid vide letter dated 20.06.2018(**Annexure-2B**) addressed to NLCIL had informed that as per agreement with NLCIL, Powergrid had completed all the works during April 2018 and CEA clearance of energisation of the asset was obtained on 27.04.2018, but they could not charge since the bays at NNTPP are not ready for completion of the LILO. NLC had informed PGCIL that their bays would be ready by 23.05.2018 but bays are not ready yet. SR II had informed NLC that since prolonged delay in charging of line may lead to theft of the transmission line materials etc. SR II is planning to charge the LILO as an anti - theft majeure.
- SRLDC had furnished their observations in this regard. (Item no 2(d) of SRLDC agenda).

2.4 TN SLDC freezing of Data

- TANTRANSCO vide letter dated 20.06.2018 (**Annexure-2C**) had informed that some of the SCADA drawal points are not updated particularly at 400 kV levels. On 13.06.2018 due to non updation of dates of 400 kV KV Pattu – Vallur feeders I & II and KV Pattu – Thiruvalam I & II the Grid was being operated taking the value visible to the operator at that time and requested to consider this discrepancy in the UI Account.

2.5 Scheduling of power from Machkund and TB Dam Inter State HEPs to Telangana State

- TSTRANSCO vide letter dated 02.07.2018(**Annexure-2D**) had informed that AP has completely stopped scheduling power from Machkund and TB Dam to AP from

11.06.2017. TSTRANSCO had requested SRLDC to suitably advise AP to schedule eligible share to TSTRANSCO.

- SRPC vide letter dated 04.07.2018 (**Annexure-2E**) had requested APTANSCO to arrange to examine the concern of TSTRANSCO and to take necessary steps to schedule power from the stations to TSTRANSCO at the earliest.

2.6 **High Voltage at Kaiga**

- Implementation of 2x125 MVAR reactors at Kaiga was approved by 37th Standing Committee held in July 2014. In the Special Meeting held on 22.06.2018 at Kaiga KPTCL had expressed concern regarding the high voltage prevailing at Kaiga. KGS had informed that Unit III & IV cannot absorb VAR because of some machine limitations and it was felt imperative to install both reactors at Kaiga without further delay. Chairperson SRPC vide letter dated 26.06.2018 (**Annexure-2F**) had requested CMD,NPCIL that necessary arrangements for installation of Reactors at Kaiga may kindly be made on priority basis.

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

- CEA vide letter dated 15.06.2018 had sought updated information in respect of status of implementation of revised FGD Installation/ESP Up gradation Plan. SRPC vide letter dated 25.06.2018 (**Annexure-2G**) had requested all entities to furnish the information. It was noted that HNPCL, NTECL, CEPL, JSWL, UPCL Adani, KPCL, NTPL & NLC TS II had furnished the information. Others are requested to furnish the same on urgent basis.

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

SRLDC vide letter dated 21.06.2018 (**Annexure-2H**) had furnished the data in respect of deviations by SR Regional Entities and zero crossing violations for the period from 01.05.2018 to 31.05.2018. It was observed that there were sign change violations of around 2146 w.r.t states (AP-274, TS-283, **KPTCL-556**, KSEBL-92, **TN-355**, **Pudu-586**) and 10733 (RSTPS St I & II-417, RSTPS Stage- III-411, **Talcher-498**, Simhadri-227, NTECL-348, **NLC TS II Stage I-817**, **Stage II-594**, **NLC Expn I-1913**, **NLC TS II Expn-904**, NTPL-460, **TPCIL-925**, MEL-194, **SEL-1022**, CEPL-146, IL & FS-152, **SGPL-1027**, **Simhadri I-523**, Kudgi-155) w.r.t generators.

2.9 **Review of UFR quantum and set points**

- NPC vide letter dated 30.05.2018 had communicated regarding review of UFR quantum/Set points.
- In the 144th OCC Meeting it was noted that states would revert back on the NPC proposal of the set points for UFR (49.2 Hz, 49.0 Hz, 48.8 Hz & 48.6 Hz) or (49.4 Hz, 49.2 Hz, 49.0 Hz & 48.8 Hz) positively by 19.06.2018.
- It is noted that KSEBL vide letter dated 20.06.2018(**Annexure-2I**) had communicated their views in this regard. TSTRANSCO vide letter dated 20.06.2018(**Annexure-2J**) had communicated that this issue may be put up for discussion in next TCC/SRPC Meetings.APTRANSCO vide letter dated 05.07.2018(**Annexure-2J-1**) had communicated their acceptance of the proposal of NPC.
- Other states to revert back on the same.

2.10 **Low Voltage in certain pockets in SR**

- A detailed study was carried out by SRPC/SRLDC on low voltage prevailing in some of the nodes of Karnataka, Kerala and Tamil Nadu and the study report had been submitted.
- In the 144th OCC Meeting, KSEBL had stated that they would revert back on the study report of SRLDC / SRPC considering the Edamon – Kochi line and the issue would further be discussed through VC.

- Regarding the low voltage in Bengaluru 400 kV ring (SRLDC/SRPC study report), it was noted that a special meeting would be called with participation from BESCOM, KPTCL, SRLDC and SRPC. There was huge drawal of VARs. The delay in commissioning of the capacitors would be discussed.
- A Special Meeting is scheduled on 09.07.2018 at SRPC Bangalore to discuss on all the pending issues w.r.t KPTCL, KPCL and UPCL in which this also is an Agenda Item.

2.11 **CPU Card Replacement of GE make**

- SRPC vide letter dated 24.05.2018 had communicated the concern to ED (LD & C), PGCIL and requested that a review exercise regarding this may kindly be taken up for SR also.
- PGCIL, LD & C vide letter dated 15.06.2018(**Annexure-2K**) had informed that GE make D20 RTUs have been installed in SR under ULDC project and there are no S900 RTUs in SR and all the RTUs are working satisfactory and spares are also available. Upgradation of RTUs had been initiated for RTUs belonging to PGCIL and other central sector entities also may join. All other constituents shall do the up gradation at their own.
- SR II Powergrid vide letter dated 27.06.2018(**Annexure-2L**) had communicated regarding the offer received from GE for replacing the existing CPU card for facilitating upgradation of RTUs.

2.12 **Scheduling of Ramagundam NTPC Solar Plant**

- The matter regarding scheduling of Ramagundam Solar Plant had been under discussion in the SRPC forum for some time. In the Special Meeting conducted at NTPC SRHQ, Secunderabad on 15.06.2018, wherein consensus had been arrived that 10 MW of Ramagundam Solar Power Project would be availed by Telangana from 1st July 2018 along-with 10 MW of pooled unallocated power from NTPC stations for SR. SRPC vide letter dated 15.06.2018 had requested CEA that necessary concurrence for allocating 10 MW of unallocated power of coal based NTPC stations in SR for pooling with power from solar power project 10 MW at Ramagundam to Telangana may kindly be conveyed. CEA vide letter dated 27.06.2018(**Annexure-2M**) had conveyed the concurrence for the same and accordingly SRPC vide letter dated 28.06.2018 had revised the allocation w.e.f 01.07.2018. Further SRPC vide letter dated 27.06.2018 had communicated to AP and TS regarding the implementation of the same w,e,f 01.07.2018

2.13 **Overarching Agreement**

- It was noted that Overarching Agreement in SR had been signed by all states in SR except Tamil Nadu.
- SRPC vide letter dated 27.06.2018 had requested TN to kindly sign the Agreement. It was noted that in the South Zonal Council Meeting held on 28.11.2017 Tamil Nadu had stated that it is considering signing the agreement.
- CEA vide E-mail dated 22.06.2018 (**Annexure-2N**) had sought status of update on the agenda item of 10th Meeting of the Standing Committee of Southern Zonal Council - Optimum Harnessing of renewable energy available in SR States without endangering grid security. SRPC vide letter dated 27.06.2018(**Annexure-2O**) had replied for the same.

2.14 **Kudgi –schedules requested from states for performance tests**

- In the 144th OCC Meeting it was suggested that NTPC may kindly furnish a complete plan like number of tests, likely date of tests, block wise needed schedules etc well in advance (by next week) and the same would be discussed in the next Meeting of OCC.

- 2.15 **RE Generators for Reactive Compensation & High Voltage**
- SRPC vide letter dated 24.05.2018 had circulated a Note regarding MVAR power restrictions/support from RE generators.
 - .In the 144th OCC Meeting, after deliberations it was agreed that comments on SRPC note on reactive support by RE Generators would be furnished by the states by month end. It was noted that the reactive support was required from grid operation / reliability perspective and the same needed to be internally discussed by the SLDC / TRANSCO / DISCOMs / Commercial sections and then it could be taken up with the RE generators.
- 2.16 **URS from CGS/ISGS-Surrender on day ahead basis**
- TSTRANSCO vide letter dated 08.06.2018 had pointed out certain practical difficulties in the surrendering of URS by entities on day ahead basis at different timings for various time blocks as per their convenience.
 - After deliberations in the 144th OCC Meeting it was decided that regarding URS and other scheduling aspects, the agenda would be furnished by the state and the same would be discussed through VC.
 - In the VC it was agreed that URS on D-1 would be processed at 20:00 hours after PX transactions are cleared. For other issues SRLDC agreed to take up with developer. URS and own share surrender in same block, simplifying the URS availing, downloading from/to format(presently monthly uploads are possible) etc.
- 2.17 **SPS Mock Tests**
- Mock tests to check the healthiness of KKNPP & Talcher-Kolar SPSs were carried out on 21.05.2018 and for Raichur -Sholapur SPS on 22.05.2018. SRLDC had submitted the Reports on Mock Test.
 - After deliberations in the 144th OCC Meeting it was agreed that a compliance report on the SPS mock test would be furnished by SR-II. The link between Doddaballapura – Gowribidanur would be established. The link issues (between Erode and Trichy would be addressed and compliance would be communicated by TANTRANSCO.
 - KPTCL vide E-mail dated 04.07.2018 had informed the following:
 - During mock test, SPS signal was not extended to 220kV Gowribidanur SS from Doddaballapura due to problem in the circuitry which was rectified and signal transmission from DB Pura to Gowribidanur checked, found OK.
 - Problem with 220kV Kadakola –Chamarajanagar PLCC link was attended on 23.05.2018.
- 2.18 **PPA wise DC to be furnished by the IPPs**
- In line with CERC Order dated 31.08.2017 in Petition No 28/MP/2016 PPA wise DC has to be furnished by all ISGS. In the 144th OCC Meeting it was noted that the PPA wise DC was being furnished by all IPPs **except CEPL.**
- 2.19 **Relocation of SPS schemes**
- In the 144th OCC Meeting it was decided that a comprehensive report on the SPSs to be shifted to Raichur and SPSs being retained at Kolar would be furnished by SR-I and SR-II to all the states/UT, SRPC and SRLDC. States would also communicate the corresponding load to be mapped to the respective SPSs. The location of new DTPCs would also be coordinated in the exercise.
 - KPTCL vide letter dated 19.06.2018(**Annexure-2P**) had requested Powergrid to kindly arrange to extend the SPS signals directly to Guttur, Shanthigrama and Bastipura substations. It is also requested to extend the necessary signals from DTPC to PLCC panels of Shimoga and Hassan line bays for onward transmission

through PLCC network at 400 kV Shanthigrama and Bastipura substations and from DTPC to PLCC panels of Hootahalli, Kadakola, Tubinkare and Gopalpura lines.

2.20 **Frequent auto reclosing of Pavagada-Bellary I & II and 220 kV Kochi lines**

- In the 144th OCC Meeting it was suggested that KPTCL would communicate to the respective transmission zone for improved maintenance of Pavagada-BPS lines. Copy of the communication would be furnished to SRLDC/SRPC. Auto Reclose would be kept enabled. SR-II would furnish the Auto Reclose incidents for Kochi lines. KSEBL would revert back.

2.21 **Extension of PMU data to RTAMCs**

In the 144th OCC Meeting it was decided that SRLDC would revert back on the request of specific PMU data to RTAMC.

2.22 **Compliance of CEA Regulations for Grid connectivity of Renewable Energy Sources**

- The following was the updated status on RE SCADA availability as noted in the 144th OCC Meeting:

SCADA availability as on 30.06.2018 Mapped I/C	Remarks
AP Wind: 3951.87/3977.87 MW (99.35%) Solar: 2147.88/2213.78 MW (97.02%) Total: 6699.75/6191.65 MW (98.52%)	Pending SCADA availability was for RE connected distribution level and for which action had been taken for compliance.
TS Wind: 100.8/100.8 MW (100%) Solar: 3126.62/3269.93 MW (95.62%) Total: 3227.42/3370.73 MW (95.75%)	Action for balance SCADA availability at 33 kV and below was being followed up and notices had been issued.
KAR Wind: 4398.895/4419.695 MW (99.53%) Solar: 4409.56/4848.55 MW (90.95%) Total: 8808.45/9268.25 MW (95.04%)	
KER Wind: 16/59.3 MW (26.99%) Solar: 71.18/90.858 MW (78.34%) Total: 87.18/150.133 MW (58.07%)	
TN Wind: 7988.96/8152 MW (98%) Solar: 648/1918 MW (33.79%) Total: 8636.96/10070 MW (85.77%)	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.

2.23 **Daily Load Forecasting by SLDCs**

- SRLDC to present the error (forecast Vs actual demand) for the month of June 2018. States had been requested to break the state load into sub components like district wise/substation wise while carrying out the forecasting incorporating weather conditions etc.

2.24 **Task Force Committee Report on Flexibilisation of Thermal Power Plants-Unit identification for Pilot project demonstration**

- APTRANSCO had informed that APGENCO had agreed for any of the Rayalaseema unit for flexibility (CEA letter 16.02.2018). APGENCO would be informing the same to CEA.
- CEA vide letter dated 10.04.2018 had requested for Location of installed capacity of all current renewable energy sources and location of anticipated RES installations by 2022.
- All except AP and KPCL were kindly requested to furnish the location of installed capacity of all current renewable energy sources and location of anticipated RES installations by 2022.
- TSTRANSCO had submitted the locations of current RE Generators.

2.25 **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 latest by 31.05.2018. SLDCs were kindly requested to communicate the requirements to DISCOMs and other entities in the control area.
- KPCL had furnished the information. **(Annexure-2Q)**

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

2.27 NLDC needed to implement the NRCE procedure

2.28 **Certification of availability of Transmission system of Inter State/RPC certified lines**

- SRLDC had pointed out that the inter-state lines were to be certified by the SLDCs of both ends before submitting to SRLDC for verification. SLDCs agreed to coordinate in this regard.

2.29 **Control(AGC) (Refer Item No. 4 in the Minutes of 7th NPC Meeting)**

- KPCL had informed that M/s Andritz for Varahi and M/s ABB for Sharavathy have been identified for the AGC implementation by USAID / PRDC for which, KPCL had given approval. This was expected to be completed by December 2018. Further, AGC for 10 MW of Solar project at Sivasamudram was also under consideration. Simhadri, NTPC informed that the infrastructure readiness for AGC was likely to be in place by August 2018.

2.30 **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.

2.31 **Monitoring of scheme funded from PSDF**

- NPC has furnished the latest status which is at **Annexure-2R**.
- **.All the states/entities were requested to kindly furnish the updated status in a time bound manner.**

2.32 **PSS Tuning of generators**

- 5th Meeting to review the status of PSS tuning of the generators had been convened on 26th July 2017 and minutes of the Meeting are available at SRPC website. All the generators need to follow the action plan finalized in the 5th PSS meeting. In the 5th Meeting of Grid Study Committee held on 18th June 2018, it was agreed that NPC would constitute a Committee for PSS Tuning at national level.

2.33 **Prolonged Outage**

- KKNPP had informed that tender for second reactor was opened in May 2018 and would be commissioned by December 2018. SRLDC had requested KKNPP to furnish the schedule of works planned till commissioning of the reactor which was agreed by KKNPP.

2.34 **Issues taken up with Hon'ble CERC**

- Chairperson SRPC vide letter dated 03.07.2018(**Annexure-2S**) had taken up the following issues with Hon'ble CERC
 - Determination of Relinquishment charges
 - Transmission charges associated with RE Projects.
 - Recovery of Transmission charges for delay in commissioning of SPDs.

2.35 **Difficulties in implementation of RSD Procedure**

SRPC vide letter dated 05.07.2018 (**Annexure-2T**) had communicated certain difficulties/issues faced by states in the actual implementation of RSD Procedure.

3 **Monthly Outage Plan/ Annual Outage Plan**

3.1 **ISGS/CGS: Generating Units**

a) Shut Down Proposals for July/August 2018

- ❖ Shut Down carried out during June 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).
- Non-availing the OCC approved shut downs
- Non-Submission of outage requests on D-3 basis(Refer SRLDC Agenda 2(e))

4 **LGBR for upcoming five months**

4.1 **TTC/ATC computations**

- All states were requested to furnish PSSE base case for November 2018.
- 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

6.1 **High Frequency**

6.2 **Low Frequency**

6.3 Summary statement of different violation messages issued by SRLDC.

6.4 In the 124th OCC Meeting it was suggested that SRLDC may identify incidents of UD/OD for Analysis by States. SRLDC to furnish the incidence for analysis, if any.

7. VOLTAGE PROFILE

7.1 Low voltage

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

7.3 High Voltage

In the 144th OCC Meeting with respect to mitigating high voltages, SR II was requested to furnish specific requests and SRLDC would consider the feasibility. Status review of GT Tap positions (Refer Table-III)

7.4 MVAR Interchange

- All the SLDCs to kindly monitor VAR absorption/injection of generating units in their respective control areas in real-time.

7.5 MVAR Testing summary

- Concerned generators had been requested to furnish the status update on recommendation of MVAR testing at the earliest on the Summary furnished by SRLDC.
- In the 144th OCC Meeting, TSTRANSCO had stated that they will ensure the tap change to 400 kV level at Singareni TPS as suggested by SRLDC during the MVAR testing carried out on 3rd August during the next AOH of the units.
- Subsequently TSTRANSCO vide letter dated 15.06.2018 (**Annexure-7A**) had taken up the issue with Singareni TPS
- Details of nodes of high voltage coupled with MVAR injection during October 2017 to January 2018 is given below:

Nodes with MVAR injection during V > 103%				
AP	KAR	KER	TN	TS
Cuddapah	Bidadi	Kochi	Alamathy	Gajwel
Chittoor	Munirabad	Trivandrum	Kalavinthapattu	Hyderabad
Gazuwaka	Mysore		Karaikudi	Khammam
Kurnool	Madhugiri		Pugalur	Mehaboobnagar
Nellore PG	Nelamangal a		S V Chatram	Malkaram
NP Kunta	Pavagada		Trichy	Warangal
Vijayawada	Raichur			Dichipally
				Maheshwaram

In the Meeting it was noted MVAR injection at high voltage nodes - action taken report needed to be furnished before end of June 2018 and the issue would be discussed in 145th OCCM.

7.6 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-IV**)

7.7 Capacitor Installation status: (Refer table-V)

8 Network Protection/Security issues

8.1 U/F & df/dt Relays Schemes

- In the 144th OCC Meeting it was noted that UFR & df/dt relief visualization of TSTRANSCO was less. TSTRANSCO had informed that the mapping was being undertaken. It was agreed that mapping validation would be undertaken on 27.06.2018 between SRLDC and TSSLDC. A report would be prepared and communicated.

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

State	SCADA mapped %	Status
AP	65.49	One RTU to be commissioned. Balance RTUs are covered under OPGW scheme approved through PSDF.
TS	79	6 RTUs had been provided for Solar Generators and for 17 RTUs, procurement was being taken up and it could take 4-5 months. There were 18 RTUs for Interstate feeders and some would provide UFR and df/dt relief quantum also. With this they were likely to achieve 100% mapping.
KAR	101	
KER	119	
TN	105	Additional RTUs needed to be procured for 100% SCADA mapping. Transducers to be procured.
Pudu	92	
SR	88	

- UFR & df/dt relief mapping was less for AP, TS and Puducherry and they were requested to furnish the action plan for improving the mapped figures.

8.3 RGMO/FGMO

- RGMO implementation/ Extension of RGMO status point to SLDC (**Refer Table-VI 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. SLDCs were requested to take action to comply the Amendment. TN was requested to share the communication taken up with their gas generators. LANCO Stage I & II had confirmed FGMO and they have requested to confirm RGMO. Other stations of AP have responded that there were no schedules, however the issue was being followed up. SRLDC to ensure compliance of RGMO/FGMO by LANCO units under its control. All the SLDCs were requested to take up the issue of non-performance of RGMO/FGMO with MI with the respective generators. A meeting of RGMO/FGMO may be convened in July 2018.

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

- Quarterly reports to be furnished by the states.
- Status update on SRLDC vide letter dated 29.11.2017.

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 VI of Appendix**.
- In the Meeting held under the Chairmanship of Secretary (Security) on 28th June 2017 it was noted that ERS were in procurement stage in most of the states and the response from the states was not very encouraging.

11 **SCADA AND COMMUNICATION**

- A Special Meeting was held on 13.03.2018 to deliberate on pending SCADA/Communication issues. Minutes of the Meeting is uploaded on SRPC website. The status of pending Items as deliberated in the Special Meeting is at **Table VIII of Appendix**.

12 **TRANSMISSION NETWORK ISSUES AND SYSTEM OPERATION ISSUES**

- Over loading of ICTs and N-1 violation at Hoody, Vemagiri, Gazuwaka & Nellore was being observed.

13 **Black Start Procedure**

- Mockdrills conducted in June 2018.
- Mockdrill Schedule for July to December 2018
- Point to point mock exercise for black start by all constituents
- In the 144th OCC Meeting, SRLDC requested KPTCL plan the BSRP in respect of Nagjheri to BTPS. KPTCL informed that they will furnish the detailed plan for the BSRP by month end.
- BSRP mock exercise for inter-regional links will be submitted by SRLDC in the next OCC Meeting.
- Mock drill at Kaiga GS and MAPS

14 **Upcoming Generating Stations**

- Status update of Central sector and State Sector Upcoming generating stations are at **Table VII 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

ROW issue of 400 kV Nelamangala-Hoody Line/ commissioning of 400 kV Yelahanka substation/220 kV evacuation system of KPTCL at Yelahanka substation.	PGCIL: S/s commissioned on 22.03.2018 by PGCIL, SR II KPTCL: 13/17 sections (4.5 km out of 5.9) cable laying completed from Yelahanka station end. 11/16 cable jointing completed. One circuit cable termination completed at PGCIL end and another under progress. Section 4, work stopped by Local villagers in Singanayakanahalli. Commissioning of the cable from PGCIL SS to KPTCL SS at Yelahanka is expected by July 2018.
REMC Project	03 modules of Training programs at contractor's premises are completed & 4th & 5th are to commence from 25.06.18
VC facility	➤ Puducherry to take up VC requirement in 2018-19
Completion of Kamudhi bays at Karaikudi by PGCIL	➤ First bay charged. ➤ Works are completed. Ready for commissioning.
Closing of 220 kV Upper Sileru- Balimela line	➤ Idle charged from 8 th January 2015 from Upper Sileru end.
PMU Status	➤ All the States were requested to give the requirements for Second Phase to CTU. KSEBL & APTRANSCO had submitted the requirement.

**TABLE I
PSS TUNING**

SRT of following units had been analyzed upto 5th 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(Reports to be analysed); 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 U 7&8(Report to be analysed) U10 & U11; Singareni Collieries U1 &U2 (Reports to be analyzed)
KPCL	Raichur TPS U1,2,3,5,6,7& 8; BTPS U1 to U3; Varahi UGPH HEP U1 to U4; Nagjheri HEP U1 to U6 (U6 report to be analyzed); Sharavathy HEP U1,2,3,4,5,6,7,9, 10 & 8 (Report to be analyzed), Raichur TPS U4 (Report to be analyzed)
KAR IPPs	UPCL U1 & U2; JSWEL U1 to U3
KSEBL	
TANGEDCO	MTPS-I U1 to U4 (U1 Report to be analyzed); NCTPS St-I U1 to U3; Tuticorin TPS UI(Report to be analysed)U2 to U5; NCTPS St-II U1; Kadamparai HEP U1 & U2, Mettur-II (Report to be analyzed).
TN IPPs	
CGS	NTPC- Ramagundam U7 & U4 (reFport to be analyzed); NTPC-Simhadri U1 to U4; NTPC-Talcher STPS St-II U3 to U6; NTECL-Vallur TPS U1 to U3; NLC-Neyveli TPS II U4 to U7; NLC-Neyveli TPS II U1 to U3; KGS U2 (Report to be analyzed); NPCIL-KKNPP U1 & U2 (Report to be analyzed); NLC-Neyveli TPS II Exp. U1 & U2; (NLC & TN JV) NTPL U1; NTPC-Kudgi U1
ISTS connected IPPs	TPCIL U1 & U2 (U2 Report to be analyzed); Coastal Energen U2; IL & FS U1 & U2

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	NCTPS St-II U2; Kadamparai HEP U3 & U4
TN IPPs	STCMS
CGS	NTPC-Ramagundam U1, U2, U3, U5 to U6; NTPC-Kudgi U2; NLC-Neyveli TPS I Exp. U1 & U2 (SRT reports not submitted); NPCIL- KGS U1, U3 & U4 (Full Report not submitted for U4); NPCIL-MAPS U1 & U2;
ISTS connected IPPs	Coastal Energen U1; Lanco Stage II & III; SGPL-Nellore; SEL U1 to U4; MEL U1 & U4

Table II- URTDSM UPDATES

	Status as on 13.03.2018 Meeting	Remarks
URTDSM Status	Region: Approved/Installed/Integrated/Validated SR I SS 27/25/24 SR I PMU 113/104/98 SR II Supplied -: 142 Installed-:142 Integrated-: 142 Ready for validation-:140	Kaiga to extend the digital status
Supply and installation of APS-Auxiliary power supply system as part of URTDSM project	<ul style="list-style-type: none"> SR-II had intimated that the Auxiliary Power Supply System is under manufacturing and is expected to reach site by 20thApril 2018 and commissioning will be completed by 15th May 2018 AP and TS had expressed concern regarding delay in supply of Auxiliary power supply system. SR-I confirmed that the APS System is expected to reach site in April 2018 and commissioning was expected by May 2018. 	Will be supplied by 31.07.18
Status of SAT and SAVT of URTDSM project in SR	SRLDC - SAT completed and SAVT is yet to commence. KSEBL - SAT and SAVT completed. KPTCL - SAT and SAVT completed. TNEB - SAT completed and SAVT is yet to commence TSTRANSCO - SAT completed and SAVT has commenced from 1st March 2018 APTRANSCO – SAT at SLDC completed	Will be commenced from 10.06.18
Powergrid Analytical Application installed as part of URTDSM	All the control centers were requested to use the software and report the deficiencies.	PGCIL had agreed to make a Web group of all the Control Centers, LD&C, IIT Mumbai, SR-I/SR-II etc for exchanging the information/usage and for deficiencies / rectification etc.

Table –III- 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
	Thiruvalem 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
	Jammalmadugu	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 SCSPSR: 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 SCSPSR: 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 IV- Reactive Power Planning

Utility	Reactive Power Planning	Voltage level	Remarks
APTRANSCO	Kadapa: 244.8 MVAR Vijayawada: 122.4 MVAR Visakhapatnam:158.0 MVAR	On 33 kV side	0 MVAR commissioned 0 MVAR commissioned 0 MVAR commissioned
APSPDCL	640 MVAR		02 MVAR commissioned
APEPDCL	276 MVAR		54 MVAR commissioned.
KPTCL	Bengaluru Tr. Zone:784	12.1 kV	LOA issued. 30 MVAR Installed

	MVAR		
	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: 259 x 2 MVAR TSSPDCL :110x1 MVAR		105 x 1 MVAR commissioned 97 x 1 MVAR commissioned.
KSEBL	360 MVAR	66 kV 11kV	Works will be taken up after approval.
TANGEDCO	34 x 2.4 MVAR	11 kV	
	16 x 2.4 MVAR	22 kV	16 x 2.4 commissioned
	59 x 2.4 MVAR	11 kV	IPDS tender to be opened on 30.11.2017
	19x2.4. MVAR	22 kV	IPDS tender to be opened on 30.11.2017
	13 x 2.4 MAVR	110 kV	PO placed on M/s Shreem Electric Limited.
	53 x 2.4 MVAR	11/22 kV	RAPDRP tender to be floated
	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 note for price bid opening to be submitted.
	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 –V- ERS status

Transmission Utility	Requirement as per MoP	Existing	Status/Remarks
APTRANSCO	3	2	PSDF funding proposal was rejected and AP will carry out the works unde O & Works
TSTRANSCO	1		Being retendered. Subsequently, it would be taken up for PSDF funding.
KPTCL	2	2	

KSEBL	1		Tenders to be floated. Being followed up.
TANTRANSCO	2		As per Minutes of BLTC held on 03.01.2017, Procurement is put on hold
PED	NIL	NIL	
PGCIL	4 (2 Nos. Additional)	4 (SR I & SR II is having 2 no. Each)	765 KV ERS (one each for SR-I and SR-II) tendering under progress.

Table –VI- Generating Units- Under Progress

Central Sector

Station	Unit	Installed Capacity MW	Scheduled date of synchronizing / commissioning	Remarks
NTPC				
Kudgi TPS Stage-I	III	800	Unit–III : COD from August 2018	72 hours continuous test carried out from 00:00 hours of 30 th April 2018.
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	First Synchronisation by Aug 2018. COD by October 2018	
	II	500	First Synchronisation by Aug 2018. COD by October 2018	
TPS –II 2 nd Expn	1&2	2 x 660		42 nd SCPSR: Seeking connectivity for 1320 MW w.e.f. 01.04.2021
NPCIL				
BHAVINI				
Kalpakkam (PFBR)	I	500	Synchronization 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. NTTPS, 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	Telangana	4 x 270	U1 : March 2018 U2: June 2018 U3: Sep 2018 U4:Dec 2018
13	Kakatiya TPP Stage III	Telangana	1 x 800	2017-18
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

Update as per Meeting on 13.03.2018	Latest update
ICCP link failure/not stable	
<p>ICCP link failure/not stable</p> <ul style="list-style-type: none"> ➤ There should not be any license renewal issues during the project cycle of the project and it needed to be ensured by Control Centers (through M/s GE). ➤ Updated communication network diagram to be submitted by SR-I and SR-II to all SLDCs & SRLDC. Further any changes done in the communication network needed to be informed to all. 	<p>SR II informed that Necessary standby channels are made available and updated communication network is ready and shall be communicated</p>
Frequent data outage(State Sector/Central Sector)	
<ul style="list-style-type: none"> ➤ PGCIL to share their observations for communication failure on the instances of data outage beyond 8 hrs put up by SRLDC. ➤ PGCIL to share all fibre cut/equipment outage information in real time. ➤ DCPC at Narendra is faulty which is being attended by GE(SRLDC to follow up) 	<p>SR II : Complied and all communication failures are being informed timely to SRLDC</p>
Data outage after commissioning	
<ul style="list-style-type: none"> ➤ Cross checking to be done with site daily values for newly commissioned elements for a period of two week duration from commissioning. 	<p>SR II : Complied and SRLDC may check and intimate any failures</p>
RTU/SAS Maintenance/Upgradation	
<ul style="list-style-type: none"> ➤ All states/Powergrid/CGS to explore option of replacement of old RTUs and AMC for SAS, as getting spare is difficult for old RTU. ➤ AMC need to be provided for all RTU/SAS gateways by CTU/STU. ➤ A life/functional assessment report and action plan by PGCIL/ISGS on old RTUs would be prepared and submitted to SRLDC/SRPC. 	<p>POWERGRID, SR-II does not feel to have AMC for SAS stations. However, the conventional RTUs, commissioned during 2001-02 are proposed to be upgradated / replaced. The offer obtained from GE for upgradation and process to be initiated</p>
Backup Control Centre	

<ul style="list-style-type: none"> ➤ Backup SCADA functionality testing frequency needs to be done once in 6 months to ensure high availability of data/preparedness to operate from Back up CC in event of any contingency. Compliance report may be furnished to SRLDC. ➤ Periodical testing was being carried out by SRLDC and KSEBL. ➤ TN stated that communication network is being strengthened to Backup CC. Once same is completed, TN will do the testing. ➤ PGCIL would be floating new combined Open Tender for Backup SLDCs for AP (Tirupati), TS (Warangal) along-with few other states. ➤ Backup control centre establishment for AP & TS need to be expedited. 	
ICCP with NTAMC	
<ul style="list-style-type: none"> ➤ PGCIL had confirmed that due to cyber security concerns data would not be extended to SRLDC from NTAMC ICCP. ➤ Functional requirement of the requisite data by SRLDC would remain, which needed to be ensured by PGCIL. SRLDC would furnish the list of telemetry points that have to be extended to PGCIL within 10 days, and within 1 month PGCIL would come out with a detailed plan to be completed within 6 months (October 2018) 	SR II : Additional data points have been received from SRLDC and action is being taken to extend the inputs by Oct' 18
Modification of EMS package	
<ul style="list-style-type: none"> ➤ TSTRANSCO had received estimate of Rs 47 lakhs and the contract was being firmed up. ➤ SRPC had requested that PGCIL to render assistance to TSTRANSCO as requested by them if possible. 	
Sparing of Fibre in Central Sector Project	
<ul style="list-style-type: none"> ➤ TANTRANSCO had again requested for sparing of fibre in Central Sector Project. SR-II stated that request for sparing of fibre in new FO links could be communicated for consideration. 	<ul style="list-style-type: none"> ➤ SR II : Once again taken up with Higher Management and is under review
VC issues	
<ul style="list-style-type: none"> ➤ TSTRANSCO Video Conference issue at TSSLDC. There was disturbance in Video Conference at TS end when connected to SRLDC. 	<ul style="list-style-type: none"> ➤ TSSLDC and SRLDC were requested to coordinate and sort out the issue.

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 April /May 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	Requests/SRPC	3 rd of every month	
4	Comments/Reasons for non-availing the shut down.	Transmission Licenses/Generators	SRPC/SRLDC	6 th of every month	
5	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
6	<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.
7	LS(In MU/MW)	States	SRPC/SRLDC	Monthly	
8	Bilateral Purchases	states	SRPC/SRLDC	Monthly	
9	Installation/healthy capacitors	All Constituents	SRPC/SRLDC	Monthly	Installation & ensuring healthiness of capacitor banks at distribution level should be ensured by all the constituents.
10	MVAR Interchange/MVAR capability testing	All Generators/SLDCs	SRPC/SRLDC	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.

11	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.
12	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.
13	Upcoming Wind/Solar Projects	All Constituents	SRPC/S RLDC	Monthly	Procedure for RE Frameworks had been notified and is available at NLDC website. Progress of works of RE Generators and evacuation system are available in the minutes of the LVRT/RE Meeting held on 25.10.2017.
14	Power Flow Analysis under high RE scenario	All Constituents	SRPC/S RLDC	Monthly	A project has been undertaken jointly by POSOCO, USAID and NREL for power flow analysis under high RE scenario. APTRANSCO needed to furnish the data and requested them to furnish the details at the earliest.
14	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.
15	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/seopnrsrpc@kar.nic.in
16	Status of implementation of the recommendations of the Enquiry Committee			3 rd and 17 th of every month	

17	Energy Generation data Management from Renewable Energy Sources	All the states	To CEA with a copy to SRPC	Monthly	
18	Power supply hours in various States/UTs (Rural and Urban areas)	All States	SRPC	Monthly	For Replying to Parliament Questions: CEA Requirement
19	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.
20	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	