Dated the 19th February, 2020

To
The Chairman & Managing Director,
Rural Electrification Corporation Limited,
Core-IV, SCOPE Complex,
New Delhi-110003

Subject: Review, Planning & Monitoring (RPM) meeting with Addl. Chief Secretary/Prl. Secretary /Secretary (Power/Energy) and CMDs/MDs of DISCOMS of all States/UTs under the Chairmanship of Secretary (Power) – regarding.

Sir,

I am directed to forward herewith a copy of Minutes of the Review, Planning & Monitoring (RPM) meeting of Ministry of Power held under the Chairmanship of Hon’ble MOSP(I/C) on 09-10 January, 2020 at New Delhi for taking necessary action and circulation to all the concerned.

Encl: as above.

(Narender Singh)
Under Secretary to the Govt. of India
Tel: 011-23708304
Email: narender.singh67@gov.in

To

1. Addl. Chief Secretary/Principal Secretary/Secretary (Power/Energy) of all States/UTs.
2. Chairperson, CEA, Sewa Bhavan, New Delhi.
3. CMDs of NTPC, PGCIL, DVC, PFC.
4. CMD, Solar Energy Corporation of India (SECI), 1st Floor, D-3, A Wing, Religare Building District Centre, Saket, New Delhi, Delhi 110017.
5. CMD, Indian Renewable Energy Development Agency (IREDA) Limited, India Habitat Centre Complex, Core-4A, East Court, 1st Floor, Lodi Road, New Delhi – 110003
6. DG, Bureau of Energy Efficiency (BEE), 4th Floor, Sewa Bhawan, New Delhi-110060.
7. CMDs/MDs of all DISCOMs

Copy to:

i. CMD, REC, Core-IV, SCOPE Complex, New Delhi - with the request to coordinate and circulate the agenda to all States/DISCOMs

ii. CMD, PFC, Urjanidhi 1, Barakhamba Lane, New Delhi.

Copy also to:

i) PPS to Hon’ble Minister.
ii) PPS to Secretary (P) / AS(SM) / AS&FA
iii) PS/PPS to all JSs / CE/EA/PS/PA to Dir(RE)/Dir(D)/DS(PFA), Ministry of Power.
Minutes of Review Planning and Monitoring (RPM) Meeting of Ministry of Power with Secretaries (Power/Energy) of States/UTs held on 9th to 10th January, 2020 at New Delhi.

The Review Planning and Monitoring (RPM) Meeting of Ministry of Power with Secretaries (Power/Energy) of States/UTs and CPSUs was held under the Chairmanship of Hon’ble Minister of Power, on 9th & 10th January, 2020 at New Delhi. The list of the participants is Annexed.

1.1 Joint Secretary (RE/Dist.), Ministry of Power, Government of India welcomed Hon’ble Minister of Power, Secretary (Power), Additional Secretaries of Govt. of India, Energy Secretaries of the States/UTs, other senior officers from States/UTs & CPSUs to the first RPM meeting of Year 2020 and presented the overview of the sector to setup the agenda of the meeting.

1.2 Secretary (Power) in his opening remarks highlighted the status of financial health of the DISCOMs and stressed upon sustainable development of the power sector with focus on consumer centric policies & services and financial viability of the sector.

1.3 Hon’ble Minister in his address emphasized the need for next level of reforms in the power sector; particularly in distribution segment in order to provide 24x7 quality and reliable power for all.

The agenda deliberated during the course of proceedings of the meeting are as follows:

2. New Reform Linked Distribution Scheme

2.1 Joint Secretary (RE/Dist) discussed the broad contours of a new comprehensive reform linked distribution scheme. It was shared that so far focus of the ministry had been creation of asset for energy access and for strengthening & augmentation of sub-transmission and distribution network, under schemes like Saubhagya, DDUGJY, IPDS. Next natural step is institutional reforms. The scheme, still at design stage, will have components to incentivize adoption of reform by the states. It will also focus on specific steps for reducing AT&C losses and making DISCOMs more financially viable and sustainable.

3. Smart Metering Implementation Models

3.1 Joint Secretary (RE/Dist) presented key dimensions of the rollout strategy covering the following aspects (i) Scope of implementation and key benefits; (ii) Business model for rollout of smart prepaid metering; (iii) Communication and Interoperability of AMI infrastructure; (iv) Financing mechanism; (v) Regulatory Considerations; and (vi) Key technological considerations with respect to MDM and billing systems. The following points were discussed.

3.2 Vision of Government of India: Hon’ble Minister stated that the reduction of AT&C losses to 15% and below is a key objective to ensure better consumer service levels. He further emphasized how smart prepaid meters will drive efficiency improvement in power distribution as smart pre-paid meters will enable better load management and improve the commercial efficiency of the s. Smart meter deployment needs to happen in prepaid mode and meters should have the capability to enable mobile phone based recharge by consumers.

3.3 Penalties on DISCOM for Outages and Option of Auto Dis-connect and Reconnect features were elaborated.

3.4 DISCOMs need to build capacity and create a dedicated IT cadre to manage such projects when the contracts with the vendor end. The transition strategy needs to be adequately planned by the DISCOMs.
3.5 Centralized MDM System: Secretary (Power) stated that like GSTIN, the MOP is planning to develop a centralized backend architecture to which all the states would have access on basis of suitable credentials. The Government of India can be one of the equity holders in such an institution created for managing the system with participation from all the states. Secretary (Power) advised the states to consider this solution as this would significantly bring down costs and drive technology innovations and improvements at a faster pace across the nation.

3.6 NTPC and the PGCIL expressed willingness to take up implementation of smart prepaid meter rollout on models like that of the EESL. Hon’ble MOS appreciated the same and advised states to also consider the same. It was also shared that the NTPC has a knowledge center which may be utilized for knowledge sharing.

3.7 It was noted that under the proposed implementation models no upfront investment would be required from the DISCOMs. However, to ensure payment security to AMI Service Provider, enablement of direct debit of annuity payment from consumer recharges is being considered.

3.8 Bihar mentioned that 3,536 smart meters have been rolled out in the most loss making divisions (including agricultural consumers). The implementation has so far shown positive results for the DISCOMs. Requirement of prioritizing the rollout in high loss areas within a specified timeline was highlighted.

3.9 Andhra Pradesh mentioned that recently the DISCOMs have replaced all electromechanical meters with electronic meters. It would be necessary to evaluate the option of retrofiting the existing meters to utilize the useful value of the meters.

3.10 Hon’ble MOS advised the states to evaluate their performance and identify key constraints towards operational and financial sustainability. One to one consultation would then be carried out with the MOP to decide on the loss reduction trajectory and identify necessary interventions. It was decided to share the smart prepaid meter rollout guidelines with the states along with the recommended business models for implementation.

4. Multiple Supply Franchisee Models

4.1 A presentation was made by the Director (Distribution) Ministry of Power on key dimensions of the rollout strategy covering the following aspects: (i) Objectives and Benefits of Introducing MSF; (ii) Salient Features of the MSF model incl. segregation of roles and responsibilities, overview of key functions such as power purchase, network and energy loss management, metering, billing and collection procedures to be followed etc; (iii) Regulatory Considerations; and, (iv) Communication and Interoperability of AMI infrastructure. The discussions veered around the following points.

4.2 Secretary (Power) stated that competition among the MSF for acquisition of consumers will lead to introduction to value added services benefiting consumers. Further, to improve the network management function, network franchisees (NF) would be introduced going forward.

4.3 It was stated that MSF would profit through arbitrage opportunity between the cost of regulated power determined by the Regulators and the efficient power procurement, as well as through value added services. Regulatory dispensations will be necessary for implementation of the model.

4.4 It was reiterated that ownership of meters will be with the network franchisee (NF) to enable consumer switching. Also, it was clarified that MSF and NF are franchisee arrangements, which are covered through contract laws and therefore even though DISCOMs would not be doing the network management and retail functions themselves, coordination role amongst the franchisees and oversight would continue with the DISCOMs. Regarding
Network Franchisee (NF) it was clarified that the NF will be regulated entity with annuity payments from the MSF.

4.5 It was shared that bouquet of options for institutional reforms will be provided to states. Further, Hon’ble MOS reemphasized that separation of the supply function will lead to better revenue recovery thereby improving performance of the DISCOMs.

4.6 **Management Operator Model Employed in Bhiwara:** Representative from Bhiwara, Rajasthan apprised everyone on the management operator model being implemented there for metering, billing and collection functions. The model so far has resulted in significant incremental revenue realization for the DISCOM.

4.7 It was decided that the concept note on multiple supply franchisees will be shared with the states for feedback.

5. **Power Market Design:**

The need for enhancing the power market from 4% at present was explained by Chief Engineer (RR), Ministry of Power. It was suggested to target the share of power traded in the power exchange to 25% in 5 years aligning with the proposed vision document of Ministry of Power. In this direction a committee has also been formed to look into the various possibilities of enhancing the liquidity in the power market so that the DISCOMs can buy the power when ever they need at a competitive price. In this direction the National level merit order despatch (ie security constraint economic despatch) has already been implemented for ISGS wef 1.04.2020 and the savings is around Rs 2.5 crore per day. The committee is also examining the possibility of including all Intra state generating stations as well so that the cheaper power can be optimally scheduled for the benefit of all the consumers of the country. It is expected that the savings may be at least doubled.

In order to take it further ahead, a presentation was made by CERC on Market Based Economic Despatch (MBED), where in all power plants can be optimally despatched at a market determined price. It was requested that the states may like to give suggestions on way forward to deepening of power market.

6. **Smart Meter Roll Out in Uttar Pradesh:** Principal Secretary Energy UP gave presentation on status of Smart Meter Roll Out in UP.

7. **Feeder and Distribution Transformer Metering**

7.1 Chief Engineer (Distribution), CEA made a presentation regarding status of feeder, distribution transformers and consumer metering in the country and highlighted the issue of non receipt of data from many of the States/UTs. With the help of 100% metering of Feeders and Distribution Transformers, the loss areas can be identified and these losses can be plugged up to improve the financial health of the DISCOMs. CEA has forwarded a format to all DISCOMs for collection of data on metering status of Feeders, DTs and Consumers with specific information regarding communicable meters. However, in spite of vigorously following up by the CEA and also by MoP, many of the distribution utilities did not furnish the data and some of the utilities furnished the partial data to CEA. Hence, CEA was not able to finalise the metering report.

7.2 It was further informed that an online format is under preparation by NIC for furnishing the distribution infrastructure and metering data on NPP by the utilities. After the completion of the online formats, NIC would provide the login ID and Password to the Nodal officers of DISCOMs to furnish the data online every month.

7.3 After comprehensive review of the status of Feeder, DT and consumer metering, all the states were requested to furnish their data regarding metering status of Feeders, DTs and
Consumers to MoP and CEA within one month. It was also emphasized that the details of
communicable meters on feeders and DTs should be specifically indicated in the data
furnished by the states.

8. MNRE Agenda

8.1 A brief presentation on renewable energy sector highlighting various issues was made
before the States/UTs regarding implementation of UMREPP scheme, solar rooftop program
Phase II, PM-Kisan Urja Suraksha evam Utthaan Mahabhiyan (KUSUM) scheme, CPSU
scheme Phase II, RPO compliance by States/UTs, curtailment of RE power, etc.

8.2 Secretary, MNRE requested States/UTs to identify land for UMREPP and form SPVs
with CPSUs to implement UMREPP scheme at the earliest in order to resolve issues related
to land availability and power evacuation infrastructure for large scale RE parks. He also
requested other States/UTs to send proposals for UMREPP to Ministry for sanction. He also
requested other States/UTs to participate in PM-KUSUM scheme and send their demand under
different components for sanction. Secretary, MNRE informed that Electricity Act is being
amended in order to ensure 100% RPO compliance by States/UTs. Secretary, MNRE also
raised the issue of delay in commissioning of RE projects in state of Andhra Pradesh.

8.3 Hon’ble Minister directed States/UTs to ensure 100% RPO compliance in order to
honour country’s INDC commitments and to avoid severe penalty that may be imposed in case
of non-compliance. He directed that States/UTs must implement PM-KUSUM scheme for
farmers in order to reduce burden of subsidized power supply by DISCOMs for agricultural
purposes and conserve ground water. Hon’ble Minister directed States/UTs that Solar rooftop
program Phase II may be implemented on mission mode in order to enable rooftop owners to
become power producers and all government buildings must set up solar rooftop plants. A
proposal in this regard will be sent to Cabinet. Hon’ble Minister stated that issues such as non-
honouring of PPAs, delay in payments to RE generators will discourage global investors from
investing in India; therefore, these issues may be resolved at the earliest by the States/UTs.

8.4 After detailed discussion with States/UTs, following was decided:-

8.5 Ultra Mega Renewable Energy Power Parks (UMREPP)
(a) Land identified in GO Zone may be acquired in consultation with Ministry of Defense
at the earliest and SPVs may be formed with SECI for 5000 MW capacity & NTPC for 5000
MW capacity in Gujarat.

(b) Land identified in GO Zone may be acquired in consultation with Ministry of Defense
at the earliest and SPVs may be formed with SECI for 5000 MW capacity, NTPC for 10000
MW capacity & PFC for 3000 MW capacity in Rajasthan.
(c) SPV may be formed with NTPC for implementing UMREPP in Maharashtra & land
may be identified at the earliest. SPV may be formed with NTPC for implementing UMREPP
in Madhya Pradesh at the earliest. 10000 MW UMREPP will be set by Andhra Pradesh on
own basis at the earliest.

(d) It was decided that power to be generated through UMREPP being set up in the state of
Karnataka by SECI will be sold outside the state. Lease charges to be paid for land to be
acquired under lease model.

(e) Kerala to set up floating solar power projects under UMREPP mode & SPV in this
regard may be formed with NHPC at the earliest.

(f) Floating solar power projects in Uttarakhnad may be included under UMREPP mode
for making it eligible for CFA.
Land to be identified in Tamil Nadu and SPV may be formed with NLC & PFC in this regard at the earliest.

SPV may be formed with SECI/NTPC for implementing UMREPP in Odisha at the earliest. SPV may be formed with SECI for implementing UMREPP in Jharkhand at the earliest.

8.6 **PM-KUSUM:** Solar plants under component A of the scheme may also be implemented on raised structures in order to conserve fertile lands in hilly states such as Uttarakhand, etc. Successful implementation models being implemented by Gujarat, Haryana & Maharashtra for solarization of farm sector may be circulated to other States/UTs for better implementation of the scheme.

8.7 **Solar rooftop program Phase II:** Net metering connection may be provided by DISCOMs to solar rooftop plants within stipulated time period. Tariff for surplus solar power generated by rooftop plants may be fixed by respective SERCs. Successful implementation models being implemented by Chandigarh, Andhra Pradesh, Delhi & Kerala for solarization of rooftops may be circulated to other States/UTs for better implementation of the scheme.

8.8 **CPSU Scheme Phase II:** DISCOMs may send their demand to Ministry under CPSU Scheme Phase II for sanction at the earliest.

(a) **Curtailment of RE power:** States/UTs must ensure must run status accorded to solar/wind power plants under Grid Code. For unauthorized curtailments, States/UTs are bound to pay for deemed generation.

(b) **Delay in payments to RE generators:** DISCOMs may avail short term loan facility from PFC/REC/IREDA to clear outstanding payments to RE generators.

9. **Transmission**

9.1 **Rationalization of Inter State Transmission System (ISTS) Charges**

(a) Additional Secretary (Transmission), MoP highlighted that beneficiaries of ISTS had raised concerns about few limitations in the current mechanism for sharing of ISTS transmission charges. Accordingly, MoP had constituted a Committee under the then Additional Secretary, MoP with representatives from Central Electricity Authority, Central Electricity Regulatory Commission and Central Transmission Utility to study the discrepancy in the current system of transmission charges in India and to suggest a way forward. The Committee examined the present system and proposed an alternative methodology comprising the best of the Point of Connection Charges (PoC) method and the postage stamp method. The proposed methodology addresses number of limitations of present system in terms of transparency, accuracy of data considered for load flow studies, and fairness. The proposed methodology for sharing of ISTS charges were shared with States/UTs by Secretary (Power) vide his DO letter dated 13.12.2019 and States were requested to share their comments with MoP within one month. He pointed out that the comments of most of the States/UTs were awaited and requested the States/UTs to share their comments on the proposed methodology at the earliest. He then requested Chief Engineer (PSP&PA-II), CEA to make a brief presentation on the proposed methodology.

(b) Chief Engineer (PSP&PA-II), CEA made a presentation highlighting the broad features of proposed methodology. He informed that the present methodology would use ex-post data and is based on lesser assumptions as compared to existing methodology, which is “ex-ante”. He stated that under the proposed methodology, transmission charges would have three components, i.e. Charges for specific transmission elements like Substations and HVDC, Usage based Component and Reliability Component. Usage based component would be calculated based on the capacity of transmission system used by the States/Designated Inter State Customers (DICs) considering the maximum power drawn by the States/DICs from ISTS one at a time. The balance part of ISTS transmission charge after accounting for charges for specific transmission elements and usage based component would be recovered as Reliability
Component and the same would be apportioned in the ratio of maximum of ‘LTA +MToA’ or ‘Maximum drawal’ of respective States/DICs in past month.

(c) Representative of Kerala pointed out that due to reliability based component, the proposed methodology may have higher percentage in the total ISTS transmission charges. Representative of Tamil Nadu expressed similar views. He also pointed out that transmission charges for RE generators should be per unit basis instead of per MW basis. The Chair allayed their apprehension and stated that the proposed methodology is objective as well as fair and transparent. Thereafter, the Chair requested them to send their formal comments at the earliest for further examination.

(d) All the States and UTs were requested to submit their comments at the earliest to the Ministry, so that the same could be examined and a considered view can be taken.

9.2 RoW issues faced by Transmission Licensee in construction of Transmission Lines

(a) Additional Secretary (Transmission), MoP informed that construction of number of important inter-state transmission lines/projects are held up in few States due to severe RoW issues. In fact with active co-operation of the State Authorities and vigorous follow-up by Power Grid, most of these RoW/forest clearance issues have been resolved except for a very few number of Transmission Towers due to which the entire Transmission Lines/substation that are complete are not becoming operational. Such cases are in Bihar, Karnataka, Tamil Nadu, Uttar Pradesh and West Bengal. The list of such lines/projects, which were affected due to RoW and Forest clearance issues, were circulated among the States during the RPM meeting.

(b) State Government representatives were requested to look into these issues and to facilitate resolving the same for early commissioning of the transmission lines/project.

10. Energy Conservation

10.1 Release of State Energy Efficiency Index (SEEI)-2019


(b) Hon’ble Minister released State Energy Efficiency Index 2019 and asked BEE to forward this report to Chief Ministers of all States / UTs from his office.

(c) Hon’ble Minister directed all States / UTs to immediately amend and adopt the Energy Conservation Building Code (ECBC) as per latest version. He also appealed to establish Stand Alone State Designated Agency (SDA) / wing for Energy Efficiency activities in all States / UTs. Reminder letter for this purpose may be send by the office of Hon’ble Minister to each States / UTs.

10.2 Implementation of Perform Achieve and Trade (PAT) Scheme for Electricity Distribution Companies and Thermal Power Plant under PAT Cycle-II

(a) DG, BEE informed that three new sectors namely Petroleum Refineries, Railways and Electricity Distribution companies (DISCOMs) are included into PAT cycle-II along with existing 8 sectors. He presented the detailed information on compliances and non-compliances by DISCOMs and Thermal Power Plants under PAT cycle-II. Hon’ble Minister of State (Independent Charge) for Power and New & Renewable Energy and Hon’ble Minister of Skill Development & Entrepreneurship appreciated the achievements of PAT cycle – II and reviewed the various compliance made by DISCOMs one by one.
(b) Hon'ble Minister directed all DISCOMs to submit the Monitoring & Verification (M&V) report immediately and also make all necessary compliances without any further delay. He appealed all DISCOMs / Thermal Power Plant from all States / UTs for submission of M&V report immediately, so that the outcomes of PAT cycle - II can be submitted to Ministry of Power.

(c) The list of DISCOMs who have not submitted the M&V report are as follows:

(d) The list of State owned Thermal Power Plants who have not submitted the M&V report are as follows:
11. Distribution Reforms in Odisha: Principal Secretary Energy Odisha made a detailed presentation on the reforms carried out in the states. He brought out the specific differences in the reform carried out in 1999 and now in 2020. It was directed to share copy of presentation with all states.

12. Pradhan Mantri Sahaj Bijli Har Ghar Yojana – Saubhagya

12.1 ED (PMD), REC presented the status of electrification of 19.09 Lakh now willing (earlier unwilling) Households of 7 States viz. UP, Assam, Jharkhand, Rajasthan, Karnataka, Chhattisgarh & Manipur which were identified before 31.03.2019 to electrified under Saubhagya. As on 31.12.2019, States have electrified 9.98 Lakh Households & still 9.24 Lakh unelectrified Households are under progress. States viz. Chhattisgarh, Jharkhand, Assam, Karnataka & Uttar Pradesh stated to complete Household electrification by 31.03.2020. Principal Secretary (Energy), Govt of Rajasthan stated that they have completed Household electrification. Accordingly, necessary certification of achievement will be sent to Ministry of Power. States were requested to complete the remaining work expeditiously.

13. Deen Dayal Upadhyaya Gram Jyoti Yojana – DDUGJY

13.1 ED (PMD), REC has stated that West Bengal has achieved only 42% of the awarded scope of 12,464 Ckm feeder segregation. ACS (Power) WB informed that some portion of feeder segregation has been shifted to system strengthening component. Hon'ble MOSPA clarified that scope sanctioned under Feeder segregation should not be shifted to any other component by any state.

13.2 Feeder and DT Metering is essential to assess quantum of supply of Power and auditing. It was shared that Feeder and DT Metering have been included in monitoring dashboard at highest level and all the states were requested to expeditiously complete the works. All the state were also requested to send a certificate regarding 100% completion of metering works.

13.3 Poor progress for Feeder Metering is reported by State/UTs viz. Himachal Pradesh, J&K, Ladakh, Karnataka, Nagaland, Puducherry, West Bengal, Meghalaya, Odisha & Rajasthan. It was stated that Feeder metering being an essential component for energy accounting and audit the same must be completed on priority.
13.4 Poor progress is reported for DT Metering by State/UTs viz. Assam, Haryana, J&K, Ladakh, Nagaland, Odisha, Puducherry, Chhattisgarh, Tripura, West Bengal & Bihar.

13.5 All the states were requested to complete the DDUGJY work including Feeder Separation, setting up of Sub Stations & DTs, Feeder & DT Metering, and expeditiously process for closure of all works so that States may avail the funds available under the scheme.

14. Integrated Power Development Scheme

14.1 A presentation was made by ED (IPDS) PFC. The following action points emerged:

14.2 States/DISCOs to expedite progress of strengthening work to ensure Circle-wise completion of projects by March 2020 with more focus required by states of J&K, Ladakh and Sikkim. All States to ensure compliance to the Quality observations pointed out by TPCEA.
   (a) States should capitalize on the IT infrastructure created and ensure moving forward in terms of standardized billing solutions. Bihar, MP (2 DISCOMs), NER to ensure award of IT Phase – II by March, 2020 in accordance with advisories/decisions of Monitoring Committee else they run a risk of cancellation of funds sanctioned. States to ensure boarding of Urban 11 kV feeders on NPP by March 2020 for the towns to be declared Go-Live. Bihar committed to award IT Phase – II and ERP work by Mid- Feb 2020. NER states to resolve issues and proceed with implementation of IT Phase -II as decided in meeting held in MoP on 07.01.2019.

14.3 DISCOMs of Bihar, Haryana, Karnataka (BESCOM), Manipur, Meghalaya, Tripura and Uttarakhand to ensure award of ERP by March, 2020 in accordance with advisories/decisions of Monitoring Committee else they run a risk of cancellation of funds sanctioned.

14.4 In accordance with Ministry’s direction on shifting over to Smart/pre-paid meters within 3 years, States to come forward regarding implementation of Smart Metering projects (in pre-paid mode) on standalone procurement or use services of EESL, PFCCCL, RECPDCL etc. as aggregators for early roll out of Smart Metering projects. States which have signed MOU with EESL to expedite finalization of award and proceed with implementation of Smart Meters.

14.5 States to also expedite award of RT-DAS system for accurate calculation of feeder level SAIDI/SAIFI and GIS substations sanctioned under IPDS by March 2020.

14.6 Fund release – DISCOMs to ensure timely release of payments to stakeholders, updation of details on PFMS and submission of Utilisation Certificate.

14.7 States/ DISCOMs of AP, Gujarat, Jharkhand, Kerala, Punjab and Telangana to ensure completion of verification of SCADA by March 2020.
   (a) Submission of Closure proposals / compliances for closure or RAPDRP projects by March 2020. NER, Bihar, Haryana, Jharkhand, Rajasthan and UP for R-APDRP IT projects. All States for SCADA projects. AP, Assam, Chhattisgarh, Jharkhand, Meghalaya, Odisha, Punjab, Rajasthan, UP and Uttarakhand for Part B towns.

15. Cyber Security issues: Director/IT/MoP gave a brief presentation on Cyber Security issues. Hon’ble Minister re-emphasised the importance and urgency of cyber security in power sector.
15.1 All the states were requested to urgently take following actions:

(a) Identification of Critical Information Infrastructure (CII)
(b) Implementation of Crisis Management Plan (CMP)
(c) Nominate Chief Information Security Officer (CISO)

All the states were requested to send updates to it-mop@nic.in. For any assistance regarding cyber security issues, states may contact CISO/MoP Sri MAKP Singh at makp.singh@gov.in and phone number 011-26732321.

The meeting ended with vote of thanks to the Chair.

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List of Participants in the RPM Meeting
held on 9th & 10th January 2019 at PravasiBharatiya Kendra, New Delhi

In the Chair: Hon'ble Minister of State (IC) for Power and New & Renewable Energy and Minister of State for Skill Development & Entrepreneurship

- **MoP**
  1. Shri Sanjiv Nandan Sahai, Secretary, Power
  2. Shri S.K.G. Rahate, Additional Secretary, Power
  3. Shri Sanjay Malhotra, Additional Secretary, Power
  4. Shri Raj Pal, Economic Adviser
  5. Shri Mritunjay Kumar Narayan, Joint Secretary, Power
  6. Shri Aniruddha Kumar, Joint Secretary, Power
  7. Shri Vivek Kumar Dewangan, Joint Secretary, Power
  8. Shri K. K. Mishra, Director
  9. Shri Vishal Kapoor, Director
  10. Shri Manoj Kumar Singh, PS to Hon'ble Minister

- **MNRE**
  1. Shri Anand Kumar, Secretary
  2. Shri Bhanu Pratap Yadav, Joint Secretary
  3. Shri Dinesh Dayanand Jagdale, Joint Secretary
  4. Shri Ruchin Gupta, Director

- **CEA**
  1. Shri Prakash S. Mhaske, Chairperson
  2. Shri Dinesh Chandra, Member
  3. Shri Mangal Hembram, CE
  4. Shri Sunil Kumar Jain, Director

- **REC**
  1. Shri Ajeet Kumar Agarwal, CMD
  2. Shri S.K. Gupta, Director (Technical)
  3. Shri R. Lakshmanan, ED
  4. Shri T.S.C. Bosh, ED
  5. Shri G.S. Bhati, ED

- **PFC**
  1. Shri Ravinder Singh Dhillon, Director (Projects)
  2. Shri Praveen Kumar Singh, Director (Commercial)
  3. Ms. Palka Sahni, ED

- **NTPC**
  1. Shri Gurdeep Singh, CMD
  2. Shri A.K Gupta, Director (Commercial)
- **PGCIL**
  1. Shri K. Sreekant, CMD
  2. Smt Seema Gupta, Director (Operations)
  3. Shri R.K. Chauhan, Director (Projects)

- **SECI**
  Shri Jatindra Nath Swain, CMD

- **IREDA**
  Shri Chintan Navinbhai Shah, Director (Technical)

- **BEE**
  Shri Abhishek Sharma, Joint Director

- **Andhra Pradesh**
  Dr. Srikant Nagulapalli, Secretary (Energy)

- **Assam**
  Smt Syeda Hasina Murshid Rehman, Secretary (Power)

- **Bihar**
  Shri Pratyaya Amrit, Principal Secretary (Energy)

- **Chhattisgarh**
  Shri Mohammed Qaiser Abdulhaque, MD, CSPDCL

- **GOA**
  Shri Mayur P. Hede, Executive Engineer, GoA Electricity Dept.

- **Gujarat**
  1. Shri Tushar Y. Bhatt, MD, MGVCL
  2. Shri Yogesh Choudhary, MD, DGVCL
  3. Shri K. M. Bhuva, Director (Tech.), GUVNL

- **Haryana**
  1. Shri Trilok Chand Gupta, Additional Chief Secretary, Power
  2. Shri Shatruteet Kapur, CMD, DHBVNL & UHBVNL

- **Himachal Pradesh**
  Shri Vipan Pal Singh, Director (Operations), HPSEB

- **Jammu & Kashmir**
  Shri Mohammad Aijaz, MD, KPDCL
• Jharkhand
  1. Shri L. Khiangte, Additional Chief Secretary, Energy
  2. Shri Rahul Kumar Purwar, MD, JBVNL

• Karnataka
  1. Shri Mahendra Jain, Additional Chief Secretary, Energy
  2. Shri M.B. Rajesh Gowda, MD, BESCOM
  3. Shri G. Bhimsha, CEO, KSPDCL
  4. Shri K. Siddaraju, Director (Transmission), KPTCL

• Kerala
  Shri N.S. Pillai, CMD, KSEBL

• Ladakh
  Shri G. A. Mir, CE, PDD, Ladakh

• Madhya Pradesh
  1. Shri Vikas Narwal, MD, MPPKVVCL, Indore
  2. Shri Vishesh Garhpale, MD, MPMKVVCL, Bhopal

• Maharashtra
  Shri Sanjeev Kumar, Principal Secretary (Energy) (I/C) & CMD, MSEDCL

• Manipur
  Shri H. Shantikumar Singh, ED-Tech, MSPDCL

• Meghalaya
  Smt A. Nikhla, CMD, MePDCL

• Mizoram
  1. Shri Laldhuzaual Sailo, Engineer-in-Chief, P&E Deptt
  2. Shri C. Lalramliana, Jt. Secretary

• Nagaland
  Shri Indianoba Tally, CE, Department of Power

• Odisha
  1. Shri Bishnupada Sethi, Principal Secretary, Energy
  2. Shri Saurabh Garg, CMD, GRIDCO & OPTCL

• Puducherry
  Shri R. Murali, SE-cum-HoD, Electricity Department
• **Punjab**
  1. Shri Ravneet Kaur, Additional Chief Secretary (Power)
  2. Shri Baldev Singh Sran, CMD, PSPCL

• **Rajasthan**
  1. Shri Kunji Lal Meena, Principal Secretary, Energy
  2. Shri A.K. Gupta, MD, JVVNL, Jaipur
  3. Shri Avinash Singhvi, MD, JdVVNL, Jodhpur
  4. Shri V. S. Bhati, MD, AVVNL, Ajmer

• **Sikkim**
  Shri D. K. Pradhan, CE, Energy & Power Department

• **Tamil Nadu**
  Dr. S. Vineeth, Joint MD, TANGEDCO

• **Telangana**
  1. Shri G. Raghuma Reddy, CMD, TSSPDCL
  2. Shri T. Srinivas, Director (Projects), TSSPDCL
  3. Shri P. Mohan Reddy, Director (Projects), TSNPDCL

• **Tripura**
  Dr. M.S. Kele, MD, TSECL

• **Uttar Pradesh**
  1. Shri Arvind Kumar, Principal Secretary, Energy
  2. Shri M. Devraj, Secretary (Power), UPPCL
  3. Shri Rakesh Kumar, Director (Tech), DVVNL Agra

• **Uttarakhand**
  1. Smt Radhika Jha, Secretary (Power)
  2. Shri Sandeep Singhal, MD, Power Transmission Corporation
  3. Shri Atul Kumar Agarwal, Director, UPCL

• **West Bengal**
  1. Shri S. Suresh Kumar, Additional Chief Secretary (Power)
  2. Shri Santanu Basu, CMD, WBSEDCL