

SUMMARY RECORD OF DISCUSSIONS HELD

AT

SPECIAL MEETING OF POWER UTILITIES OF NORTHERN REGION

A special meeting of power utilities of the Northern Region was held on 27th March 2006 at NRPC, New Delhi. The list of participants is enclosed at Annexure-I.

Shri Rakesh Nath, Chairman, BBMB / NREB and Chairperson, CEA welcomed the delegates of various power utilities of the Northern Region and informed that in accordance with the provisions of Electricity Act 2003, Regional Power Committees including Northern Regional Power Committee (NRPC) had been constituted by the Government through resolution dated 25th May 2005 and amendment resolution dated 29th November, 2005. The principal objective of the meeting was formal composition of NRPC and preliminary discussions on business regulations of the Committee. These regulations would be modified, wherever required, based on today's deliberations and put up to NRPC at its first meeting for further discussion and approval. Mentioning that NRE Board had played an important role in resolving various operational and commercial issues in a cordial manner, he called upon the new forum to carry on this tradition and further improve the system operation.

Referring to another important issue related to financing or re-imburement of expenditure of NRPC secretariat by the members, he stated that the constituents of Northern Region have already agreed at 140th NRE Board meeting held on 17th December, 2005 to bear expenditure of NRPC secretariat. MoP has desired that expenditure of RPC secretariat should be fully financed by constituent members. However, CEA has recommended to MoP that expenditure of RPC secretariat may continue to be financed by the Government of India from Consolidated Fund of India and it may be re-imbursed by the members. The matter was under consideration by Ministry of Power. With these remarks, he requested Member Secretary, NRPC to take up the agenda for discussion.

Shri B.K. Misra, Member Secretary, NRPC welcomed Shri Rakesh Nath, Chairman, BBMB / NREB & Chairperson, CEA and the Heads & representatives of various Northern Region power utilities. He especially welcomed newly nominated members of Northern Regional Power Committee, who were attending this meeting for the first time. Mentioning that such meetings had already been held in Western, Southern and North-eastern Regions, he intimated that in the Regional Power Committees, representation had also been given to States' generating companies, transmission companies, State Load Despatch Centres, Distribution Companies and the IPPs. The Regional Power Committees were, therefore, required to be constituted through invitation of nominations from the power utilities. NRPC secretariat had already taken action in the matter, in response to which nominations had been received from Delhi, Haryana, Rajasthan and Uttaranchal. He added that electricity traders had also communicated their decision - taken at a conference at Mumbai - to nominate Adani Exports Ltd. as their representative at NRPC. He further stated that nominations had not been invited from CPSUs as they were already represented at NREB and therefore, their nominations for the Board had been retained for NRPC. In case, any CPSU wanted to review its nomination, it might inform NRPC secretariat accordingly. He pointed out that all newly nominated representatives had been invited to the meeting. However, nominations were still awaited from Punjab, HP, J&K and the IPPs' association. As nominations from UP had just been received, he requested representatives of other states to get the nominations forwarded

at the earliest so that NRPC might be formally composed in its entirety. Member Secretary, NRPC mentioned that status of membership of BBMB at NRPC was not clear in the GoI Resolution, and Chairman, NREB had taken up the matter with MoP for clarification or amendment of resolution. He informed with pleasure that MoP had clarified that BBMB would also be a member of NRPC. He added that chairmanship of NRE Board was lastly with BBMB and one-year tenure of Chairman, BBMB as Chairman, NREB was to continue upto 30th June, 2006. Citing example of decision taken in other regions, he suggested the constituents to decide chairmanship of NRPC w.e.f. 1st April, 2006.

1. CONSTITUTION OF NRPC

Member (GO&D), CEA stated that as per the resolution, the RPCs including NRPC have already come into existence. Therefore, formal composition of NRPC was required to be completed at the earliest so that NRPC might start its business w.e.f. 1st April, 2006.

PSEB representative informed that **nominations from Punjab had already been forwarded to NRPC secretariat** and a copy of the concerned letter was also handed over by them to NRPC secretariat during the meeting. **PowerGrid, NTPC, NHPC, NRLDC and SJVN confirmed their respective nominations as shown in Annexure-III to the agenda.** HPSEB representative was requested to get the nominations from HP expedited. Thus nominations were left only from J&K, with whom the matter would be taken up by NRPC secretariat.

NDPL stated that in the government owned companies, the level of Director / Executive Director was well known / understood and as such, there was no doubt about nomination from such companies to NRPC. However, in private companies, like theirs, it was difficult to identify an equivalent level. Member (GO&D), CEA pointed out that RPC is the highest forum for discussing grid related issues and as such, the representation from the organisations should also be at the highest level. As per guiding principle laid down in RPC resolution too, **the representative from a private organisation would be the head of the organisation.** Accordingly, CEO of the private company should be the member of RPC.

The issue of nomination of alternate members to NRPC also came up for discussion. The CPSUs wanted continuation of practice of having alternate members - as was the case in approvals of MoP for membership of REBs - with the proviso that only one member, either main or alternate, would attend the NRPC meeting and intimation in this regard should be communicated by the concerned CPSU to the NRPC secretariat in advance of the meeting. Chairman appreciated the need for alternate member from the CPSUs as the CPSUs were generally the members of RPCs of more than one region, and it might be difficult for a single member of a CPSU to attend meetings of all concerned RPCs. **It was, therefore, agreed to continue the practice of having alternate NRPC members from the CPSUs with the proviso that the meeting of NRPC would be attended either by the main member or the alternate member and intimation in this regard would be communicated to Member Secretary, NRPC in advance of each meeting. However, there would be no alternate members to the NRPC from other constituents.**

Regarding nominations of IPPs and electricity traders, the constituents noted that they did not have registered all India associations. It was also noted that as per

RPC resolution, respective associations of IPPs / Traders are required to send their representatives to the NRPC. Nomination of M/s Adani Exports Ltd. to represent electricity traders at NRPC had been decided in a conference of traders and not by the association. Further, the conference was not attended by all licensed electricity traders of the country. Hence, nomination of M/s Adani Exports Ltd. to NRPC was not in conformity with the provisions of RPC resolution. Member (GO&D), CEA pointed out that constituents of Southern Region were also of the same opinion. In view of the foregoing, **it was agreed that IPPs and electricity traders would form respective All India Registered Associations, which would pass resolutions in regard to nomination of their representatives to RPCs of different regions including Northern Region. Until such time this was done, the appropriate representative of M/s Adani Exports Limited could attend NRPC meetings as a special invitee on behalf of electricity traders. Similarly, until IPPs formed a registered all India association, one of the largest IPPs of the Northern Region (Baspas, Malana, etc.) might decide among themselves as to which particular company would represent the IPPs at NRPC and send a communication in the matter to NRPC secretariat. An appropriate representative of such IPP might attend NRPC meetings as a special invitee.**

2. RULES FOR CONDUCT OF BUSINESS OF NRPC

HVPN suggested to include regional energy accounting as one of the functions of NRPC in para 3 of the draft business rules. This was, however, not accepted as the issue was to be decided by Government of India.

Referring to para 13.2 of the draft business rules viz. "All decisions in the NRPC shall be taken by consensus as far as possible or by majority of members present", NTPC suggested that decisions should be taken by consensus only and proposed deletion of the phrase "as far as possible or by majority of members present". The suggestion was accepted as was the case in Western Region.

DTL suggested that training on Power System simulators needed to be imparted to personnel of all SLDCs in the region once a year. A provision in this regard might be included in the draft business rules. Chairman, while appreciating the suggestion, opined that this could not be a part of the business rules.

BBMB, DTL and Rajasthan wanted USMG Group to be made a permanent Sub-committee of NRPC like OCC, PCC, CC, etc. Chairman and Member (GO&D), CEA felt that this had been constituted as an ad-hoc sub-group to address issues related to implementation of Unified Scheme and once, this task was over, the sub-group would be abolished. NRLDC suggested review of the Sub-committees proposed in the draft business rules as of late, some of the sub-committees like Protection Sub-committee had become weak due to improper representation / poor attendance from the constituents. According to NRLDC, rigorous introspection on all issues related to the Sub-committees like constitution, chairmanship, regular meetings, powers of the sub-committees and the methodology of taking decisions by them, was needed so that such sub-committees might play proper roles assigned to them. NRLDC proposed formation of a Group to discuss such issues of draft business rules. Member (GO&D), CEA agreed that Protection Committee of Northern Region was not meeting regularly and emphasised the need for holding regular meetings thereof.

The issue of number of participants from member organisations to attend NRPC meetings, was also discussed and **it was agreed that NRPC meeting would be attended by the Members of NRPC and at the most, two more officers inclusive of TCC member, from each member organisation.** It was also decided that NRPC meetings might be attended by non-members as special invitees provided Member Secretary, NRPC so desired in consultation with Chairman, NRPC. Member (GO&D), CEA advised that no agenda-item except policy issue and urgent issue, be put up directly before NRPC for discussion unless it has been discussed by the TCC. The constituents noted the advice.

NPC suggested to include the phrase “or equivalent level” in para 18.2.1 of draft business rules which laid down the level of representation at the TCC. This was agreed.

PSEB suggested the following amendments to the draft business rules:

- a. As per para 28(3) of CERC (Terms & Conditions of Tariff) Regulations, 2004, *“The operating log books of the generating station shall be available for review by the Regional Electricity Board or Regional Power Committee, as the case may be. These books shall keep record of machine operation and maintenance.”* Similarly, as per para 46(3) of the Regulations related to hydro-electric power stations, *“The operating log books of the generating station shall be available for review by the Regional Electricity Board or Regional Power Committee, as the case may be. These books keep record of machine operation and maintenance, reservoir level and spillway gate operation..”* These needed to be included as one of the functions mentioned under para 4.1 of draft business rules. The suggestion was accepted by the constituents.
- b. As per paragraphs 29 & 47 of CERC (Terms & Conditions of Tariff) Regulations, 2004 (valid and notified for a five-year period from 1.4.04 to 31.3.09), *“Regional Power Committee or the Regional Electricity Board shall issue the Regional Accounts for energy on monthly basis as well as UI charges on weekly basis.”* However, according to IEGC - to be effective from 1.4.06 - energy accounting was to be carried out by RLDCs. This anomaly needed to be looked into. Chairman assured to take up the issue with CERC.
- c. “Certification of generation carried out by central sector gas based stations under open cycle” be also included as one of the duties under para 4.1 of the draft business rules. This was agreed to by the constituents including NTPC.
- d. Para 7 of the rules might be modified as “Existing website of NREB shall be amended / redesignated as NRPC website”. This suggestion was also accepted.
- e. Para No. 9.6 might be added to the effect that “On receipt of specific requisition of a Member, Member Secretary, NRPC may convene a meeting as per para 9.5 above.”.
- f. Referring to para 18.2.2 of the draft business rules, PSEB sought clarification on the number of additional representatives of DISCOM, IPPs less than 1000 MW and electricity traders in the TCC. Whether no. of such representatives was two from each of them ? After brief discussions, it was agreed that like NRPC, there would be only one member from each organisation in the TCC also. Para 18.2.2 19.2.1, 20.2.1 & 21.2.1 would be redrafted accordingly.
- g. The following might also be added as functions of OCC in para 19.1:

- i). Monitor / review violation of IEGC, which were of operational nature.
 - ii). Review / discuss measures for ensuring economic grid operation including optimisation of energy transfer with other regions.
 - iii). Examine possibility of optimising intra-regional energy exchanges.
 - iv). Discuss optimisation of energy transfer with other regions.
- h. Under para 19.3, proviso might be added for participation of NRPC secretariat representative in monthly Technical Committee meetings of BBMB. The constituents through appreciated the need, did not agree to the suggestion as an amendment to the business rules. BBMB and NRPC secretariat confirmed that BBMB had been regularly inviting NREB / NRPC secretariat to its Technical Committee meetings.
- i. The following might also be added as functions of System Study Sub-committee in para 22.1:
- i). System studies related to transmission constraints.
 - ii). Studies specific to high / low voltage conditions with specific reference to reactors or capacitors operation / requirement.

With the above agreed suggestions, the modified draft business rules are enclosed at Annexure-II. These would be put up to NRPC at its first meeting for ratification / finalisation.

3. MODALITIES FOR RE-IMBURSEMENT OF EXPENDITURE OF NRPC SECRETARIAT

Chairman stated that with estimated annual expenditure of NRPC secretariat to the tune of Rs.210 Lakh and number of members being of the order of 30, per member contribution worked out to about Rs.7 Lakh per annum. With sharing on per constituent basis, this amount would work out to about Rs.12 Lakh per annum. He sought the opinion of the constituents as to whether they wanted sharing of expenditure on per member basis or per constituent basis.

HVPN was in favour of sharing on per constituent basis as otherwise their contribution would work out to more than the states of Punjab, HP, etc wherein SEBs were yet to be unbundled. Chairman opined that all states had to ultimately carry out unbundling / reforms in compliance of the Electricity Act 2003 and it was just a matter of time. PSEB wanted the expenditure of NRPC secretariat to be borne by the CPSUs only, as these were profit making organisations paying considerable dividend to the government. This was not accepted by the forum as the matter had already been discussed and decided by NRE Board at its 140th meeting. DTL wanted sharing on per member basis. NDPL supported the view of DTL and added that payment of Rs.7-8 Lakh per annum was not a big issue. AEL - representative of electricity traders - wanted that their contribution should be less than that for other members of NRPC, specifically in view of CERC order regarding fixation of trading margin. Other constituents, however, did not agree to it and stated that it is the traders who would be benefited the most on participation at NRPC meetings and hence, they should not have any reservation to pay a small sum of Rs.7 Lakh per annum. Chairman advised AEL to discuss the matter within their association.

After discussions, it was decided that expenditure of NRPC secretariat would be borne equally by all the members of NRPC i.e. on per member basis. Further modalities in the matter would be discussed at the first meeting of NRPC as by that time, the issue regarding financing or re-imbursement of the expenditure by the members was also likely to be clarified by the MoP.

4. CHAIRMANSHIP OF NRPC

Chairman, NREB / BBMB stated that although the one-year tenure of Chairman, BBMB as Chairman, NREB was to continue upto 30th June, 2006 and as per RPC resolution, BBMB is the first organisation in the list of member organisations of NRPC in alphabetical order, it was not clear in the resolution as to whether BBMB member was also eligible for chairmanship of NRPC in rotation at par with members from NR States. In view of this, **he suggested chairmanship of NRPC by a member from the State of Delhi w.e.f. 1st April, 2006 as Delhi is next in the list of member states in an alphabetical order.**

All constituents endorsed the suggestion of Chairman. Accordingly, Members from Delhi were requested to decide and forward the nomination of Chairperson, NRPC among themselves to NRPC secretariat.

5. ROSTER FOR HOSTING THE MEETINGS

In order to have better interaction among the constituent members and to evolve better understanding and coordination among them, it was proposed that the meetings of NRPC - which are required to be held at least once in six months as per the resolution - be hosted by the constituent members in rotation as was the practice of NRE Board. Following tentative roster was proposed for hosting the meetings :

1.	NPC	7.	NTPC	13.	Member Trader
2.	J&K	8.	Rajasthan	14.	Delhi
3.	THDC	9.	PowerGrid	15.	BBMB
4.	Haryana	10.	Chandigarh	16.	Uttaranchal
5.	SJVN	11.	NHPC	17.	HP
6.	Punjab	12.	UP	18.	Member IPP

(All special meetings of the Committee and its Sub-committees shall be hosted by NRPC secretariat).

Nevertheless, final host for a meeting would be decided by Member Secretary, NRPC in consultation with Chairperson, NRPC and announced at the previous meeting. In case of a state being a host, the NRPC members from that state would decide among themselves as to which particular member would host the meeting.

Utilities noted the above proposal.

ANNEXURE-I

PARTICIPANTS AT SPECIAL MEETING OF POWER UTILITIES OF NORTHERN REGION HELD ON 27th MARCH, 2006 AT NEW DELHI

Organisation	S.No.	Name & Designation
BBMB	1. 2.	S/Shri Rakesh Nath, Chairman, NREB / BBMB & Chairperson, CEA Sharat C. Mahajan, Member (Power)
Delhi	1. 2. 3. 4.	S.R. Sethi, Director (Operations), DTL P.K. Chakraborty, MD, IPGCL A.K. Kaul, GM (SLDC), DTL Arup Ghosh, COO, NDPL
Uttaranchal	1. 2.	S.P. Singh, Director (Operations), UJVN Vivek Singh, Executive Director (BD & Comml), UJVN
PSEB	1. 2. 3. 4.	Padamjit Singh, Advisor T.P.S. Bawa, OSD (Comml.) V.K. Gupta, Consultant Sukhvinder Kumar, Addl. SE
HPSEB	1. 2.	Manmohan Singh, Chief Engineer (SO) R.N. Kaul, Director (I/S)
Haryana	1. 2. 3.	P.S. Bhatia, Chief Engineer (P&C), HVPN Sudhir Rajpal, MD, UHBVNL Sunil Sethi, Executive Engineer, SLDC
Rajasthan	1. 2.	A.K. Jain, Director (Technical), RVPN S.C. Datta, Chief Engineer (LD), RVPN
UPPCL	1. 2.	Ashok Kumar, CGM (PS) V.K. Punhani, DGM (PS)
NPC / NAPS / RAPS	1.	Subhash Mittal, Executive Director (Op), NPC

NHPC	1.	S.D. Tripathi, Executive Director (Comml)
NTPC	1. 2. 3. 4. 5. 6. 7.	N.N. Misra, Executive Director (NCR) V.B.K. Jain, General Manager (Commercial), CC T.R. Sohal, General Manager (Commercial), NCRHQ Rajneesh Bhagat, DGM (C), NCRHQ Manoj Saxena, DGM (Comml) - CC S.D. Jha, Sr. Manager (Comml)-CC R.P. Sharma, Dy. Manager, NCRHQ
POWERGRID	1. 2. 3. 4.	J. Haque, Director (Operations) N.R. Chanda, Executive Director (NR-I) D.B. Tripathi, DGM (HVDC) N.L. Jain, Manager (O&M), NR-I
NRLDC	1. 2. 3.	S.K. Soonee, Executive Director P.K. Agarwal, Chief Manager (Comml) S.R. Narasimhan, Chief Manager (Tech. Services)
AEL	1.	R.B. Mathur, Advisor
IPPs	1.	Anil Kumar Garg, Manager (BD), Malana Power Co. Ltd.
CEA	1. 2. 3.	Santosh Kumar, Member (GO&D) T. Chatterjee, Chief Engineer (GM) Rafi-Ud-Din, Director (GM)
NREB	1. 2. 3. 4. 5. 6. 7. 8.	B.K. Misra, Member Secretary B.K. Jain, Superintending Engineer (Commercial) R.P. Agrawal, Superintending Engineer (Operations) Bhim Rai, Superintending Engineer (Services) Dinesh Chandra, Executive Engineer (Commercial) Prahlad, Executive Engineer (Operations) A.K. Agnihotri, Executive Engineer (Services) A.K. Singh, Sr. Manager, NTPC deputed at NREB

DRAFT

**Northern Regional Power Committee
(Conduct of Business) Rules 2006**

(Based on discussions at meeting of NR Power Utilities on 27.3.06)

CHAPTER I

GENERAL

1. Short title and commencement:

- (i) Government of India, under the provision of Section 2, Subsection 55 of the Electricity Act 2003 vide resolution F.No.23/1/2004-R&R dated 25th May, 2005 and subsequent amendment dated 29.11.2005 (copies enclosed) published in the Gazette of India has established the Northern Regional Power Committee herein after referred to as NRPC comprising of States of Delhi, Haryana, Himachal Pradesh, Jammu & Kashmir, Punjab, Rajasthan, Uttaranchal and Uttar Pradesh and the Union Territory of Chandigarh.
- (ii) As per the clause –9 of the aforesaid resolution dated 25th May 2005, the NRPC hereby makes the following rules which may be called “The Northern Regional Power Committee (Conduct of Business) Rules, 2006”.
- (iii) These rules shall come into force from the date of its approval by the NRPC and shall remain in force unless otherwise modified.

2. Definitions:

2.1 In these Rules unless the context otherwise requires:-

- (a) ‘Act’ means the Electricity Act, 2003.
- (b) ‘Agenda’ means the list of business proposed to be transacted at a meeting of the Committee.
- (c) ‘Authority’ means Central Electricity Authority.
- (d) ‘Commercial sub-committee (CC)’ means a sub committee constituted by the Committee to consider commercial related issues.
- (e) ‘Commission’ means Central Electricity Regulatory Commission.
- (f) ‘Committee’ means the Northern Regional Power Committee constituted by the Central Government under Sub-Section (55) of Section 2 of the Electricity Act, 2003.

- (g) 'IEGC' means the Indian Electricity Grid Code specified by Central Electricity Regulatory Commission.
- (h) 'Meeting ' means a meeting of the Committee or sub-committee convened by the head of the Secretariat or any member authorized to convene a meeting in the absence of the head of Secretariat.
- (i) 'Member' means the member of the NRPC as per Resolution of the Government of India on establishment of RPC dated 25.05.2005 and 29.11.2005 and as amended from time to time.
- (j) 'Operational Coordination Sub-Committee (OCC)' means a sub-committee constituted by the RPC to consider all issues related to operation of the regional grid.
- (k) 'Protection sub-committee (PC)' means a sub-committee constituted by the Committee to consider all power system protection related issues.
- (l) 'Rule' means Northern Regional Power Committee (Conduct of Business) Rules 2006.
- (m) 'System study sub-committee' means a sub-committees constituted by RPC to carry out the system studies.
- (n) 'Sub-committee' means the Sub-Committees constituted by RPC to guide and assist it in conducting the functions assigned to it.
- (o) 'Technical Coordination Sub-committee (TCC)' means a sub-committee constituted by the RPC to assist the RPC on all technical, commercial and other matters.

2.2 The words and expressions used and not defined in these Rules shall be construed as having the same meaning as defined in the Act.

3. Functions of NRPC

As per para 6.of the MOP Resolution dated 25.5.2005 RPC shall carry out following functions:-

- (i) To undertake Regional Level operation analysis for improving grid performance.
- (ii) To facilitate inter-state/inter-regional transfer of power.
- (iii) To facilitate all functions of planning relating to inter-state/ intra-state transmission system with CTU / STU.
- (iv) To coordinate planning of maintenance of generating machines of various generating companies of the region including those of inter-state generating companies supplying electricity to the Region on annual basis and also to undertake review of maintenance programme on monthly basis.

- (v) To undertake planning of outage of transmission system on monthly basis.
- (vi) To undertake operational planning studies including protection studies for stable operation of the grid.
- (vii) To undertake planning for maintaining proper voltages through review of reactive compensation requirement through system study committee and monitoring of installed capacitors.
- (viii) To evolve consensus on all issues relating to economy and efficiency in the operation of power system in the region.

4. Secretariat of NRPC

4.1 Secretariat shall perform the following duties namely;

- a) Keep custody of records of proceedings of the Committee, sub-committees, task force and working groups of the RPC.
- b) Prepare agenda for the Committee and Sub-Committee meetings.
- c) Prepare minutes of Committee and Sub-Committee meetings.
- d) Take follow-up action on the decision taken in the Committee & Sub-Committee meetings.
- e) Maintain archive of data and information pertaining to operating parameters, protection system and communication system of the regional power system.
- f) Collect from constituent members or other offices, companies, firms or any other party as may be directed by Committee, such information as may be considered useful for the efficient discharge of functions of the Committee under the Resolution and place the information before the Committee and its sub-committees.
- g) The operating log books of the generating stations shall be available for review by the Northern Regional Power Committee. The log books of thermal power stations shall keep record of machine operation and maintenance. The books of hydro-electric power stations shall also keep the additional record of reservoir level and spillway gate operation.
- h) Certification of open cycle generation carried out by central sector gas based stations.

4.2 The duties and responsibility envisaged under CEA Regulations, Indian Electricity Grid Code (IEGC), Regulations made by CERC, RPC Resolution and NRPC from time to time shall be carried out by the Member Secretary, NRPC Secretariat .

In line with the provisions of IEGC the details of functions are given below:

- a) The Member Secretary, RPC shall investigate and endeavor to resolve the grievance regarding unfair practices, delays, discrimination, lack of information, supply of wrong information or any other matter related to open access in inter-state transmission.
 - b) The Member Secretary, RPC shall, for the purpose of payment of transmission charges/ capacity charges and incentives, certify:
 - (i) Availability of Regional AC and HVDC transmission system
 - (ii) Availability and Plant Load Factor for ISGS (Thermal)
 - (iii) Capacity Index for ISGS (Hydro)
 - c) Member Secretary, RPC, shall verify and take up the matter regarding persistent non-compliance of IEGC with the defaulting agency for expeditious termination of the non-compliance. RPC shall maintain appropriate records of such violations.
 - d) RPC is to carry out periodic inspection of Under Frequency Relays installed by the constituents and investigate cases of non operation of such relays at set frequency in actual system operation.
 - e) The RPC Secretariat shall review on quarterly basis the Annual outage plan prepared by CEA in consultation with ISGS/other generators in advance for the financial year review on monthly basis for the concerned quarters.
 - f) The RPC Secretariat shall be responsible for analyzing the outage schedule given by all Regional Constituents, preparing a draft annual outage schedule and finalization of the annual outage plan for the following financial year by 31st January of each year.
 - g) Any other responsibilities assigned by CERC/ CEA Regulations/ RPC Resolution shall also be carried out by secretariat.
- 4.4 RLDC shall provide to Member Secretary, NRPC a computer terminal to have a view of all the parameters in real time frame of Regional grid system.

5. Furnishing of data / information to Secretariat of RPC.

RLDC and the constituents of the region shall make available all data / information required by the Secretariat to discharge its functions or to carry out any other responsibility / function assigned to it by the Authority / Commission / Committee. It shall also be responsibility of the constituents to ensure that any data though not specifically asked for by the Secretariat, but which may be required for the specific responsibility / function assigned to the Secretariat is also made available to the secretariat.

6. Chairperson of NRPC

The Chairperson of NRPC would be appointed as per GOI Notification No 23 / 1 / 2004-R&R dated 25.05.2005 and 29.11.2005 as amended from time to time.

7. Website of NRPC

Existing website of NREB shall be amended / redesignated as NRPC website and it shall be maintained by NRPC Secretariat.

CHAPTER II

PROCEDURE FOR CONDUCTING NRPC MEETINGS

8. Place and date of NRPC Meeting

- 8.1 The place and date of the meeting will be decided by Member Secretary, NRPC in consultation with Chairperson, NRPC. The will generally be held within the region.
- 8.2 Meeting will be hosted by the member organizations as per the roster prepared by Member Secretary, NRPC in consultation with the members of the NRPC.

9. Notice for the Committee meetings and Agenda

- 9.1 Notice for the Committee meetings shall be issued by Member Secretary, NRPC at least 2 / 3 weeks in advance in consultation with Chairperson, NRPC. In case of emergency meetings required to be conducted to carry out urgent business, notice of one week is to be given.
- 9.2 The Agenda points for the meeting shall be sent to the Member Secretary by the members at least 20 days in advance of the meeting. The member Secretary, NRPC shall finalize the agenda and circulate the same to all its members at least 10 days in advance and also be posted on the website.
- 9.3 Agenda for Committee meeting shall generally be put up after discussions in Technical Co-ordination Sub-Committee (TCC). Agenda items can be put up directly only in the cases involving urgent matters /policy issues.
- 9.4 Member Secretary, NRPC may also put any agenda involving urgent matters / policy issue directly in consultation with Chairperson, NRPC.
- 9.5 Member Secretary, NRPC may convene a meeting on short notice on any urgent matter in consultation with Chairperson of the committee.
- 9.6 On receipt of specific request from a member too, Member Secretary, NRPC may convene a meeting in accordance with para 9.5 above.

10. Effect of Non-receipt of Notice of Meeting by a Member

The non-receipt of notice by any member of NRPC or sub-committee shall not invalidate the proceeding of the meeting or any decision taken in the meeting.

11. Cancellation / re-scheduling of Meeting

If a meeting is required to be cancelled or rescheduled the same shall be intimated to the members at the earliest by telephone / fax and also posted in NRPC website immediately.

12. Periodicity of meetings

The Committee members shall meet at least once in six months as per para-11 of amended Resolution of GOI dated 29.11.2005. However, the Committee may meet to discuss any issue as and when required in consultation with Chairperson, RPC.

13. Quorum of NRPC Meeting

13.1 The Quorum of the meeting shall be 50 % of its members.

13.2 All decision in the NRPC shall be taken by consensus.

13.3 In case the votes of the members present in favour of or against any proposal are equal, the Chairperson presiding over the meeting shall have a second vote or a deciding vote.

13.4 The decisions / ratifications made by the Committee during the meeting with the above quorum shall be treated as final.

13.5 The decision of the NRPC arrived at for Operation of the Regional Grid and Scheduling and dispatch of Electricity shall be followed by Northern Regional Load Despatch Centre (NRLDC) subject to the directions or regulations of the Central Commission.

13.6 Only members of NRPC and not more than two representatives of his organization shall participate in the Committee meeting. Other persons may attend the meeting by invitation / permission only. However, voting rights will be available only to the Members of NRPC.

14. Presiding Authority

14.1 The Chairperson, NRPC shall preside over the meeting of NRPC and conduct business. The Member Secretary, NRPC shall assist the Chairperson of NRPC in conducting the meeting. If the Chairperson is unable to be present at the meeting for any reason, other members present in the meeting shall nominate a person among themselves to preside over the meeting.

14.2 In the absence of Member Secretary, NRPC such of the officer as may be designated by Authority shall function as Member Secretary to assist Chairperson, NRPC.

15. Recording of the minutes

- 15.1 The minutes of the meeting shall be finalized and circulated to all its members by the Members Secretary, NRPC within 15 working days from the date of the Committee Meeting. The minutes shall also be posted on the website of NRPC.
- 15.2 The discussions during the meeting shall be Audio recorded and the record shall be kept at the secretariat of NRPC till the confirmation of the minutes. The member organization hosting the meeting shall extend all facilities for audio recording of the proceedings of the meeting.

16. Confirmation of the Minutes

Minutes of the NRPC meeting shall be placed in the next meeting for confirmation. However, in case of urgency the minutes may be confirmed by circulation.

CHAPTER III

SUB-COMMITTEES OF NRPC

17. Constitution of Sub-Committees of NRPC

- 17.1 Following Sub-Committees will be constituted by NRPC to guide and assist it in conducting the functions assigned to it.
- a) Technical Co-Ordination Sub-Committee (TCC)
 - b) Operation Co-Ordination Sub-Committee (OCC)
 - c) Commercial Sub-Committee (CC)
 - d) Protection Sub-Committee (PC)
 - e) System Study Sub-Committee
- 17.2 NRPC or Member Secretary, NRPC or any Sub-Committee may constitute task force, core group for specific purpose from among the members and external experts to advice on any specific issue.

Functions and Composition Of Sub-Committees Of NRPC

18. TECHNICAL CO-ORDINATION SUB-COMMITTEE (TCC)

18.1 Functions:

- 18.1.1 Technical Co-ordination Sub-Committee, shall consider all issues referred by the Operation Co-Ordination Sub-Committee, Commercial Sub-Committee and Protection Sub-Committee concerning operation of regional grid, commercial aspects, inter-state / inter-regional transfer of power, grid stability etc. leading to economy and efficiency in the operation of power system in the region
- 18.1.2 TCC shall implement the decisions of the NRPC and also provide guidance and assist NRPC in discharge of its functions and formulation of policy matters on regional grid operation, grid security, commercial matters.

18.2 Composition Of Technical Co-ordination Sub-Committee:

- 18.2.1 TCC shall be represented by the Technical Members of the NRPC constituents dealing with the Generation / transmission / Distribution and representative from Central Electricity Authority. The representation shall be at the level of Technical Members in State Utilities, Executive Directors / General Managers or equivalent in PSUs / Technical Heads of Distribution company / Traders / IPPs and Chief Engineer in CEA.
- 18.2.2 Other than members of NRPC constituents, there shall be one representative each of DISCOM, IPPs less than 1000 MW and Electricity Traders in the TCC.

18.2.3 Chairperson, NRPC from their concerned State shall appoint the Chairperson of TCC. Chairperson, TCC shall be rotated every year from among the States in the same order as Chairperson of NRPC.

18.3 Meetings:

18.3.1 TCC shall meet before the NRPC meeting and put up its recommendations to the NRPC.

18.3.2 TCC shall meet separately also as and when needed to address urgent issues or specific issues, if any, concerning the operation of regional grid, security of the grid, commercial matters and other issues.

18.3.3 The Chairperson of the TCC shall preside over the meeting. In case Chairperson is unable to be present, members present shall elect a person among themselves to preside over the meeting.

18.3.4 Member Secretary, NRPC shall assist Chairperson, TCC in conducting TCC Meeting.

19. OPERATION CO-ORDINATION SUB-COMMITTEE (OCC)

19.1 Functions:

Operation Co-ordination Committee(OCC) shall discuss all issues related to operation of the regional grid viz. reviewing the schedule v/s. actual generation of various power stations drawn up in the previous month; estimating availability of power and energy from each power station and demand of each State for the current and next month; drawing up coordinated maintenance schedule for generating units and major transmission lines; reviewing operational discipline and its norms to be observed by constituents; reviewing the operation of Automatic Under-Frequency Relays; discussing system occurrences, if any, during the previous month and reviewing the status of implementation of the recommendations of the Inquiry Committees; monitoring / reviewing violation of provisions of IEGC related to grid operation; discussing / reviewing measures for ensuring economic grid operation including optimisation of energy transfer with other regions; examining possibility of optimising intra-regional energy exchanges; discussing optimisation of energy transfer with other regions; and any other matter referred by the TCC/NRPC.

19.2 Composition Of Operation Co-Ordination Committee:

19.2.1 OCC shall be represented by the representatives of the constituent members of NRPC. Other than members of NRPC constituents, there shall be one representative each of DISCOM, IPPs less than 1000 MW and Electricity Traders in the OCC. The nominated representative shall be at the level of Chief Engineer and equivalent level.

19.2.2 Member Secretary, NRPC shall be Chairperson of the OCC and preside over the meetings. Superintending Engineer of secretariat shall be convener of the OCC.

19.3 Meetings:

The meeting will be held every month generally before 10th day of that month.

20. COMMERCIAL SUB-COMMITTEE (CC):

20.1 Functions:

Commercial Sub-Committee(CC) shall discuss all commercial related issues viz. energy accounting, schemes required for inclusion in the Bulk Power Supply Agreements, requirement of power from the new projects, installation of special energy meters and its cost sharing, etc., metering aspects, reviewing of the payments towards UI charges, treatment of transmission losses, commercial declaration of lines/substation and Generating units , commercial issues in inter-state and inter-regional exchange of power, issues concerning settlement of payments among constituents, if any, etc. and any other matter referred by the TCC/NRPC. Commercial Committee shall audit the Regional Energy Accounts and UI & Reactive Pool Accounts.

20.2 Composition Of Commercial Sub-Committee (CC):

20.2.1 Commercial sub-committee shall be represented by the representatives of the constituent members of RPC. Other than members of RPC constituents, there shall be one representative each of DISCOM, IPPs less than 1000 MW and Electricity Traders in the OCC. The nominated representative shall be Commercial Heads in the member organisation.

20.2.2 Member Secretary, NRPC shall be Chairperson of the CC and preside over the meetings. Superintending Engineer of secretariat shall be convener of the CC.

20.3 Meetings:

The meeting will be held quarterly or as and when required to address the issues of urgent nature.

21. PROTECTION SUB-COMMITTEE (PC)

21.1 Functions:

Protection Sub-Committee (PC) shall discuss all power system protection related issues viz. analysis of system disturbances in the region, review of protective relaying schemes, relay co-ordination islanding schemes, automatic under frequency load shedding schemes, review of the implementation of recommendations made by the Inquiry Committee of the grid disturbance in

the region concerning the above matters, etc. and any other matter referred by the TCC/NRPC.

21.2 Composition Of Protection Sub-Committee:

21.2.1 Protection Sub-Committee shall be represented by constituent members of NRPC. Other than members of NRPC constituents, there shall be one representative each of DISCOM, IPPs less than 1000 MW and Electricity Traders in the PC. The nominated representative shall be at the level of Chief Engineers or equivalent level and concerns with power system protection / testing in the region.

21.2.2 Member Secretary, NRPC shall be Chairperson of the PC and preside over the meetings. Superintending Engineer of secretariat shall be convener of the PC.

21.3 Meetings:

The meeting will be held quarterly or as and when required to address the issues of urgent nature.

22. System Study Sub-Committee:

22.1 Functions:

System Study Sub-Committee shall carry out following system studies:

- i) Studies for assessment of the quantum of capacitors required in the region taking into account the expected additions in the generation and transmission systems and the low voltage conditions in the system.
- ii) Studies for review of reactive compensation requirement.
- iii) Operational load flow studies, as and when required, for peak conditions off peak conditions etc.
- iv) Short-circuit studies as and when required
- v) Transient stability studies for major events like grid disturbances or other issues as and when necessary
- vi) System studies related to transmission constraints.
- vii) Studies specific to high / low voltage conditions with specific reference to reactors or capacitors operation / requirement.
- viii) Identification of requirement of reactors as and when required
- ix) Co-relation of protection related issues from Studies as and when required
- x) Any other technical study referred by the NRPC/TCC.

22.2 Composition Of System Study Sub-Committee:

22.2.1 System Study Sub-Committee shall be represented by the Members of the NRPC constituents at the level of Superintending Engineer familiar with the subject.

22.2.2 Superintending Engineer of secretariat shall be convener of this Sub-Committee.

22.3 Meetings:

As and when required, as decided by the convener.

CHAPTER IV

PROCEDURE FOR CONDUCTING SUB-COMMITTEE MEETINGS OF NRPC

23. Conducting of Sub-Committee Meetings, issue of Notice, Agenda & its Minutes

- 23.1 The notice for the above sub-committee meeting shall be issued at least 10-15 days before the date of meeting and agenda points one week before the meeting by the NRPC Secretariat. The minutes of the meeting shall be finalized by Member Secretary and issued by NRPC Secretariat within 15 working days of the meeting.
- 23.2 The decision of the Committee arrived at for Operation of the Regional Grid and other above functions shall be implemented by the Constituents. In case the Sub-committee recommends the matter to the TCC / NRPC, for further deliberation or decision, the same shall be referred by NRPC secretariat to TCC/NRPC.
- 23.3 The meetings will be conducted at the place and venue preferably located in the Region to be decided by Member Secretary, NRPC.
- 23.4 Meeting may be hosted by the member organizations as decided by Member Secretary, NRPC in consultation with the members of the sub-committee. All the arrangements required for conducting the meeting shall be made by the host member organisation.

CHAPTER V

24. REPORTS BY NRPC

The following reports shall be prepared and furnished by RPC secretariat:

S. No.	Name of the report	Periodicity
1	Monthly Progress Report Northern Regional Grid / Operational Data	Monthly
2	Annual Report of NRPC	Annual

CHAPTER VI

MISCELLANEOUS

25. Saving of inherent Power of the NRPC.

- 25.1 Nothing in these Rules shall bar the NRPC from adopting in conformity with the Act a procedure that is at variance with provisions of these Rules, if the NRPC in view of the special circumstances of a matter or class of matters deem it necessary or expedient to deal with such a matter or class of matters.
- 25.2 Nothing in these Rules shall expressly or by implication, bar the NRPC to deal with any matter or exercise any power under the Act for which no Rules have been framed and NRPC may deal with such matters, and functions in a manner it thinks fit.
