



Government of India
 Ministry of Power
 North Eastern Regional Power Committee
 Meghalaya State Housing Finance Co-Operative Society Ltd. Building
 Nongrim Hills, Shillong – 793003.



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No.: NERPC/COM/CC_Min/2013/3728-66

Dated: 3rd July 2013

To

1. Director (Distribution), MeECL, Lumjingshai, Short Round Road, Shillong – 793 001
2. Director (Transmission), MeECL, Lumjingshai, Short Round Road, Shillong – 793 001
3. Engineer-in-Chief (P&E), Department of Power, Govt. of Mizoram, Khatla, Aizawl – 796 001
4. Chief Engineer (WE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
5. CGM, AEGCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
6. CGM (Comml), APDCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
7. CGM (Comml), APGCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
8. Chief Engineer (P), Electricity Department, Govt. of Manipur, Keishampat, Imphal – 795 001
9. Chief Engineer (P&E), Department of Power, Govt. of Nagaland, Kohima – 797 001
10. General Manager (C&SO), TSECL, Agartala – 799 001
11. ED, NERTS, PGCIL, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
12. GM (LD&C), PGCIL, “Saudamini” Plot No.. 2, Sector – 29, Gurgaon, Haryana – 122 001
13. General Manager, NERLDC, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
14. ED (O&M), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
15. ED (Commercial), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
16. ED (O&M), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
17. ED (Commercial), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
18. RED (East-II), NTPC Limited, ER-II HQ, Plot No. N-17/2, Third Floor, Naya Palli, Bhubaneswar-751012
19. General Manager, OTPC, Palatana, Kakraban, Gomati District, Tripura - 799116
20. Vice President, PTCIL, 2nd Floor, NBCC Tower, 15, Bhikaji Cama Place, New Delhi - 110066
21. AGM (BD), NVVN, Core 5, 3rd floor, Scope Complex, 7 Institutional Area, Lodhi Rd., N. Delhi-3
22. Member Secretary, ERPC, 14 Golf Club Road, Tollygunge, Kolkata-700033
23. Chief Engineer, GM Division, CEA, Sewa Bhawan, R.K. Puram, New Delhi – 110066

Sub: Minutes of the 20th CC meeting held on 21/06/2013 at Spring Valley Resort, Sonapur, Guwahati.
Sir,

Please find enclosed herewith the minutes of 20th Commercial Committee Meeting held at Spring Valley Resort, Sonapur, Guwahati on 21st June, 2013 for your kind information and further necessary action.

Encl.: As above

Yours faithfully,

(10a) **S. K. Ray Mohapatra**
 I/C 0203000000 / Member Secretary

1. SA to Member(GO&D), CEA, Sewa Bhawan, R.K. Puram, New Delhi – 110066
2. Head of SLDC, SLDC Complex, AEGCL, Kahilipara, Guwahati - 781019
3. SE (EM), MePDCL, Lumjingshai, Short Round Road, Shillong – 793 001
4. Head of SLDC, MeECL, Lumjingshai, Short Round Road, Shillong – 793 001
5. Head of SLDC, Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
6. A.C.E. (Power-I), Electricity Department, Govt. of Manipur, Keishampat, Imphal – 795 001
7. Head of SLDC, Electricity Department, Govt. of Manipur, Keishampat, Imphal – 795 001
8. S.E. (Commercial), Department of Power, Govt. of Mizoram, Khatla, Aizawl – 796 001
9. Head of SLDC, Department of Power, Govt. of Mizoram, Aizawl – 796 001
10. A.C.E. (Gen & Trans), Department of Power, Govt. of Nagaland, Kohima – 797 001
11. Head of SLDC, Department of Power, Dimapur, Nagaland
12. DGM (C&SO), TSECL, Agartala – 799 001
13. Head of SLDC, TSECL, Agartala – 799 001
14. Chief Engineer, Loktak HEP, Vidyut Vihar, Komkeirap, P.O. Loktak, Manipur – 795 124
15. DGM (Comml), OTPC, 6th Floor, A Wing, IFCI Tower-61, Nehru Place, New Delhi-110019
16. AGM (Comml), NTPC Limited, ER-II HQ, Plot No. N-17/2, Third Floor, Naya Palli, Bhubaneswar-751012

North Eastern Regional Power Committee

Minutes of the 20th Commercial Coordination Sub-Committee Meeting

Date : 21st June 2013

Venue: Spring Valley Resort, Sonapur, Guwahati

The 20th Commercial Sub Committee meeting of NERPC was held on 21st June, 2013 at Spring Valley Resort, Sonapur, Guwahati. The meeting was hosted by NTPC Limited. The list of participants is given at **Annexure-A**.

The meeting commenced with welcome of all the participants with flower bouquet by NTPC Limited and ceremonial lighting of lamp by the dignitaries followed by welcome address by Shri S K Kar, AGM, NTPC Ltd. Shri Kar welcomed all the delegates of CC and informed that NTPC was privileged and thankful to NERPC for giving the opportunity to host the CC meeting of NERPC at Guwahati. He wished all the participants a pleasant and comfortable stay. In his brief speech, Shri Kar informed that first unit of Bongaigaon TPS of NTPC is likely to be commissioned during current financial year. He stated that with the commissioning of Unit# I of OTPC at Palatana, and the expected commissioning of Bongaigaon, the generation capacity of NER will be enhanced. He wished the CC meeting a grand success. Then, Shri S. K. Ray Mohapatra, Member Secretary (I/C), NERPC welcomed all delegates of the CC meeting on behalf of NERPC. He thanked NTPC Limited for hosting the meeting in a short notice and for making excellent arrangement and comfortable stay of the delegates. He stated that the contribution of NTPC is going to be very significant in NER after commissioning of first major coal based Thermal Power Plant at Bongaigaon with installed capacity of 750 MW (3x250MW) which will play a major role in meeting the power demand of the region in the coming days. Shri Mohapatra expressed that the importance of CC meeting is likely to increase in future. After the grid disturbance of July 2012, number of system improvement schemes has been recommended by enquiry committee headed by Chairperson, CEA for smooth and reliable operation of the grid which has huge commercial implication and financial burden on the constituents. Based on the recommendation of the enquiry committee, protection audit of the NER was carried out for about 135 numbers of substations and generating stations of 132kV and above voltage class and the Detailed Project Report (DPR) has been submitted to CEA/MoP for funding to take up rectification of deficiencies in various substations / generating stations. He also informed the house that as decided in last TCC meeting, NEC/DoNER has been approached by NERPC for possibility of funding for Upgradation & expansion of SLDCs, setting of new SLDCs and establishment of reliable OPGW based communication link, but confirmation is still awaited. He also requested the house that the issue of open cycle generation of NEEPCO should be resolved considering all possible aspects and the committee should come up with appropriate commercial settlement. He informed the house that in the evening of June 20, 2013 (at the same venue), presentation by NERLDC on "Recent amendments in CERC Regulations etc." was very informative and interactive. The presentations have been sent through e-mail to all the constituents.

Member Secretary (I/C) then requested Mr. Lalrinsanga, Assistant Secretary, NERPC to take up the agenda items.

1. Confirmation of the minutes of 19th CC Meeting held on 26th February 2013 at Hotel grand Starline Guwahati.

Minutes of the 19th CC Meeting held at Hotel Grand Starline on the 26th February 2013 were circulated, vide letter no. NERPC/COM/CC_Min/2013/1835-71 dated 23rd April 2013.

The following observations have been received and modification of minutes has been proposed as given below:

(A) TSECL has proposed modification of minutes under Agenda 5.6 which was recorded as "After

discussion, it was decided that TSECL will install the SEM and the reading will be booked against Tripura drawal and the same will be reflected in monthly REA." TSECL instead proposed to modify the above as **"After discussion, it was decided that NEEPCO will take up the matter with PGCIL for installation of SEM and the reading will be booked against Tripura drawal and the same will be reflected in monthly REA".**

(B) NEEPCO has proposed for modification of minutes as given below:

Agenda No.	Agenda	Minutes as issued by NERPC	Modified minutes as proposed by NEEPCO
1	2	3	4
2.4	Set of meters used for calculation of open cycle generation of AGBPP	<p>After detail deliberation, the following points were agreed:</p> <p>(a) NEEPCO should not claim commercial benefits based on indicative figure (in %) of open cycle operation by NERPC secretariat unless the same is approved in OCC/CC forum.</p> <p>(b) The words indicated in monthly REA, henceforth, will be corrected as "Open cycle generation based on SEM reading of AGBPP for the month" in place of "Open cycle generation Certification of AGBPP". The above information will be used for billing purpose only after approval in OCC/PCC/CC forum.</p> <p>(c) NEEPCO should inform NERLDC about operation of the module in open cycle mode. The reason/urgency of such operation and tentative duration should be intimated to NERLDC.</p> <p>(d) NERLDC should intimate beneficiaries about Open Cycle operation of the plant as beneficiaries may not like to buy such power at a higher price. Unless scheduling of generation of AGBPP is done on unit basis (not on plant/station basis) by NERLDC, the segregation of open cycle operation will be difficult / may not be feasible.</p> <p>(e) As RPC Secretariat is certifying open cycle generation of combined cycle plants in other regions, the same will be required to be certified by NERPC Secretariat. The issue may be referred to OCC forum to find out a suitable method of certifying open cycle generation for combined cycle plants.</p>	<p>(a) NEEPCO should not claim commercial benefits based on indicative figure (in %) of open cycle operation by NERPC secretariat unless the same is approved in OCC/CC forum. However, the representative from NEEPCO expressed their disagreement to the same and stated that the said procedure can be implemented with prospective effect only on finalization & adoption of related methodology by the appropriate authority.</p> <p>(b) The words indicated in monthly REA, henceforth, will be corrected as "Open cycle generation based on SEM reading of AGBPP for the month" in place of "Open cycle generation Certification of AGBPP". The above information will be used for billing purpose only after approval in OCC/PCC/CC forum. However, representative of NEEPCO disagreed to the same and stick to their comments as mentioned at (a) above.</p> <p>(c) NEEPCO should inform NERLDC about operation of the module in open cycle mode. The reason/urgency of such operation and tentative duration should be intimated to NERLDC. Representatives from NEEPCO expressed that NERLDC requires to modify their format immediately for revising Declared Capacity by the thermal generating stations in such cases, so that the details, as required, may be incorporated & communicated to them.</p>

The members may discuss and approve the 19th CCM minutes.

Deliberations in the Meeting

The minutes were confirmed along with modification as mentioned above.

2. Agenda items from NERPC

2.1 Tabulation of revenue earned through regulation of power to beneficiary states of NER:

As agreed in the 19th Commercial Committee Meeting, POWERGRID, NEEPCO, NHPC and TSECL are requested to submit the details of revenue earned through regulation of power during the financial year 2011-2012 in the following format. Submission of such detail is to be done on monthly basis.

Financial Year : e.g. 2012 - 2013								
Regulating Entity:	Generating station from where regulation is done	Quantum of regulated power (in MWH)	Mode of sale of regulated power (through exchange or through traders or UI etc)	Total revenue earned from sale of regulated power (In Rs.)	Detail of expenditure incurred towards (a) adjustment of energy charges (b) registration fee for exchanges or traders' fee etc (c) Any other incidental expenses with detail (In Rs.)			Remaining amount, if any, to be passed on to the Regulated Entity (In Rs.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(5)-(6)-(8)
					(a)	(b)	(c)	

NOTE: If (9) is negative, then it indicates that outstanding due has not been recovered fully.

Deliberations in the Meeting

After detail discussion it was agreed that concerned constituents (NEEPCO / NHPC / POWERGRID / NETC / NTPC / OTPC) will submit detail information month-wise beginning from the financial year 2011-12 onwards. The constituents (NEEPCO / NHPC / POWERGRID / NETC / NTPC / OTPC) have agreed to submit the information for the financial year 2011-12 & 2012-13 by the next CC Meeting.

2.2 Revised bills of NHPC for Loktak HEP:

NHPC has agreed to the suggestions in the 19th Commercial Committee Meeting and they will raise revised bills to the beneficiaries accordingly.

For information of members.

Deliberations in the Meeting

The committee noted.

2.3 Methodology adopted in REA for calculating scheduled energy to beneficiaries from of Central Generating Station:

The issue was discussed in 19th Commercial Committee Meeting and it was agreed that the regulated entity need not pay energy charges when there is 100% regulation of power. NHPC and NEEPCO are requested to inform whether they have raised energy charge bills during such period of 100% regulation. In case they have raised such bills, the amount is to be adjusted based on corrected REAs that will be issued soon by NERPC.

It was also agreed that NERPC and NERLDC will discuss the problem of reflecting regulated power in monthly REAs. The same has been discussed and rectified and the agreed methodology is being adopted in the monthly REA from May 2013. The schedule depicted in the monthly REAs is for settlement of Energy Charge only and therefore need not match with the ex-PP schedule depicted in the weekly UI Account.

For information of members.

Deliberations in the Meeting

Members of CC noted as above. Committee further requested beneficiaries to find out if any bill has been raised during the period of 100% regulation and come up with details so that amount may be adjusted based on corrected REAs to be issued by NERPC.

2.4 Certification of Open Cycle Generation of AGBPP:

The issue was discussed in 19th Commercial Committee Meeting and it was agreed that the issue may be referred to OCC forum to find out a suitable method of certifying open cycle operation of gas based combined cycle power plants. The feasibility of scheduling in respect of each module has been discussed in the OCC forums where representative from NEEPCO expressed that it is not feasible to give schedule of generation in respect of each module. The schedule of generation for entire plant can only be given as the gas allocation is being done on the basis of Installed Capacity (not on module basis). Regarding commercial implication, the committee decided to refer the matter to commercial sub-committee.

The following points were suggested by GM Division of CEA for certification of open cycle operation of plants in Western Region:

- 1) GTs/ STs are asked to close down due to low system demand by RLDC or trip out due to high system frequency and subsequently this come on bars on the request of NERLDC.
- 2) STGs tripped on station fault but back in service within a short time, unless RLDC specifically directs the GT operating in open cycle to close down.
- 3) STGs are on long outages and instructions for running GTs in open cycle are given by RLDC.
- 4) Restarting of GTs after tripping during grid disturbances.
- 5) GTs start up after annual maintenance and statutory Boiler inspection of WHRB duly approved by REB. Open cycle operation not to be certified for GTs tripping on station fault and shutdown other than for annual maintenance and statutory boiler inspection duly approved by REB.

6) In the start up phase open cycle operation may be certified as per the start up curves of the respective units.

The above methodology may be discussed and adopted for certifying open cycle generation.

Regarding payments to NEEPCO for certified open cycle period, it may be noted that beneficiaries will have to pay the energy charges for generation made by AGBPP, NEEPCO which was clearly indicated by Hon'ble CERC in recent hearings. Enhanced rates are provided in the tariff regulation for recovering energy charges while generating in open cycle mode. NEEPCO is requested to intimate the difference in energy charges while generating in 1) closed cycle and 2) open cycle.

During the hearing of petition of NEEPCO, Hon'ble CERC advised to settle the issue in RPC forum, and the same is brought for deliberations.

Deliberations in the Meeting

NERLDC circulated a format for declaration of capability of the combined cycle Gas based power plant of NEEPCO at Kathalguri. The format allows module-wise declaration of open cycle and combined cycle capability of the plant. It was stated that the declaration would be either mailed to the beneficiaries or be made a part of the schedule file to disseminate the information.

NERLDC further clarified that the beneficiaries would be able to know the quantum of power that can be drawn from open cycle/combined cycle mode of operation, but they would not be able to submit specific requisition unless full block-wise requisition based scheduling is implemented as discussed in Item No. 2.5

NEEPCO representative wanted to know the modality of filling-up the format. It was explained with an example as follows:

Kathalguri Module I: GT: Unit 1 & 2 (each of 33.5 MW) and ST: Unit 7 (30 MW)

When all three units are available: DC 90 MW (say) for combined cycle operation of Module-I

After sudden tripping of ST (Unit 7) of 30 MW, the revised DC becomes [90MW-30MW=60 MW (say)] for open cycle mode of operation of Module-I [to be implemented after 4th time blocks as per IEGC]

It was agreed to discuss the matter in next OCC before implementation of the format. The committee also suggested to discuss suggestions of GM division of CEA regarding open cycle operation of Gas based power plants of WR in OCC forum before adoption in NER.

Regarding the past period from April 2009 till date where NERPC has indicated open cycle operation percentage in the monthly REAs, possibility of revising relevant REAs considering certain criteria was discussed so that the concerned beneficiaries may settle the pending issues. However, it was agreed to wait for CERC judgement on the petition filed by NEEPCO on this issue.

2.5 Requisition based scheduling:

The issue was discussed in 86th OCC Meeting where DGM NERLDC informed that the requisition based scheduling will be implemented in NER very soon. Members agreed that mock scheduling may be initiated by NERLDC vis-à-vis present method of scheduling.

In this regard, the forum may deliberate about the roles of SLDCs in requisitioning power from the declared capabilities of generating stations. SLDCs, being an apex body in the state sector, may also start intra-scheduling based on such requisitions from distribution companies within its control region. The distribution

companies will have to ensure that requisition of power is done considering the most economical and reliable power stations.

Deliberations in the Meeting

NERLDC in its presentation highlighted the following:

- When ABT was implemented in NER in November, 2003, NER Constituents expressed inability to provide station-wise, time block-wise requisition for day ahead scheduling.
- It was agreed to put in place a mechanism where requisition would be equal to entitlement so as to help the States.
- Since then the States in NER have been submitting requisition stating that it is equal to entitlement.

During the meeting, NERLDC stated that States of NER should start adopting requisition based scheduling and submit time block wise requisition. To start with the system, station-wise requisition for 96 time blocks of a day has to be filled up by each SLDC and mailed to NERLDC. There are nine (9) ISGS in NER. States would have to fill-up 96x9 matrix with requisition of quantum of power for every time block from all ISGS based on the entitlement conveyed by NERLDC. The figures would have to be filled-up in excel sheet and mailed to NERLDC. It was also mentioned that once the new system is introduced, the beneficiaries will have to send requisition (in excel sheet) by e-mail only.

NERPC also highlighted the role of SLDCs in estimating their demand accurately and furnishing requisition on day ahead basis. It was also mentioned that SLDCs being apex body within State should start intra-State scheduling to obtain such requisition from DISCOMs.

The representative of Assam agreed with shifting to requisition based scheduling but expressed difficulty of SLDC in estimating demand and submitting block-wise requisition as accountability would be with SLDC. He requested NERPC to publish energy cost of all ISGS so as to help SLDC to decide merit order. He proposed to carry out a mock exercise for some period.

NERPC stated that in last OCC meeting, it has already been decided to carry out mock exercise for requisition based scheduling. The energy cost of ISGS would be provided before next OCC meeting. NERPC further suggested for commencement of mock exercise at the earliest which will be in the interest of constituents of the region. Other regions of the country have already implemented the requisition based scheduling.

NERLDC representative stated that all seven states should start filling-up the time block-wise requisition and mail to NERLDC. This would be first step of mock exercise. Date and modality for such mock exercise can be discussed in next OCC forum. Once States are geared up through mock exercise, it would be easy to use web based scheduling software of RLDC, which is likely to be in place in 2-3 months for which tendering process is in progress.

On an enquiry from NEEPCO regarding technical minimum, ramp-up rate etc, it was clarified that as per IEGC, RLDC would ensure that schedule would be operationally implementable. For this purpose, Generators should intimate NERLDC the technical minimum level, ramp-up rate, dead band etc of their units/stations.

Tripura representative raised some issues like revision of schedule of ROR stations, modality of real time revision of schedule etc. The committee decided to start with mock exercise for requisition based scheduling and requested SLDCs to go ahead with filling up 96x9 matrix with requisition of quantum of power for every time block and in the process other issues will be addressed as and when such situation is encountered.

2.6 Grid Security Expert System (GSES):

The issue was discussed in special TCC meeting held at Shillong on 9th February 2013. The implementation of the above scheme has been proposed through following projects:-

(i) GSES System: This would involve the installation of relays, PLCs etc at Substation/Generating station level and advance GSES Software at all SLDCs and RLDC. The list of feeders where the relays shall be put has been proposed by RLDC and is proposed to be monitored in the Centralized GSES system at SLDCs. The logics for operation of the above relays shall be finalized by RLDC/RPC in consultation with SLDCs. As per this plan, the automated feeder disconnection has been proposed at 125 numbers of substations in North-Eastern Region.

(ii) Communication System for GSES system: This would require dedicated and reliable communication system. Accordingly Fiber Optic based Communication from Substations to SLDCs/RLDC has been proposed. The communication system for GSES system shall have to be reliable, dedicated and fully secure system. Further, the system shall have to be monitored and operated in real time and hence a fast and dedicated communication network based on fiber optics would be required. The Detailed Project Report for the Fiber Optic based communication for GSES system has been prepared separately.

The Region wise estimated cost based on the feeders identified by POSOCO including IDC shall be as follows:

S.N	Subject	NR	SR	WR	ER	NER	All India
1.	Estimated DPR cost of GSES (in Rs. Crores)	82.59	42.13	124.85	55.42	49.47	354.46
2.	Number of Feeders	1064	763	1502	503	410	4242
3.	Estimated DPR cost of OPGW based communication system (in Rs. Crores)	141.61	368.37	174.24	83.18	80.42	847.82
4.	Length of OPGW	4967	14706	6111	2868	2688	31340
	Total Estimated cost (in Rs. Crores)	224.20	410.50	299.09	138.60	129.89	1202.30

Further, the details of OPGW links covered by GSES are given below:

Name of Sector	Lenth of link (in kms)	Name of places covered by the link (Rs. Crs)
Arunachal Pradesh	214	The details were e-mailed by NERPC
Assam	1022	- do -
Manipur	192	- do -
Meghalaya	55	- do -
Mizoram	347	- do -
Nagaland	537	- do -
Tripura	321	- do -
Total	2688	

The following decisions of TCC were conveyed to CERC: -

- All constituents agreed in principle to the technical requirement of the GSES scheme for NER grid.
- The basic infrastructure at most of Sub-station like circuit breakers, protection relays, etc. are not adequate for implementation of the scheme.
- There are no full fledged SLDCs in Ar. Pradesh, Manipur, Mizoram and Nagaland.
- Funding is major concern as NER states are financially weak.
- The quantum of UFR based load shedding needs to be relooked for NER States.
- More deliberation on technical and commercial issues is required before formulation/implementation of the scheme.

All constituents agreed in principle to the technical requirement of the GSES scheme for NER grid but more deliberation on technical and commercial issues is required before formulation/implementation of the scheme.

In 86th OCC meeting, AEGCL representative pointed out that project will be funded by POWERGRID from internal resources (equity component = 30 %) and domestic fund (loan component = 70%). The interest rate for domestic funding is 10.5 % p.a. The NER beneficiaries, who are already weak financially, will be further burdened. Implementation of this project will only be feasible in NER, if fund is provided in the form of grant or through POC as is done in case of Transmission tariff.

POWERGRID is requested to enlighten the forum on the interest rates applicable if recovery of such project costs will be done based on the provisions in tariff regulations.

Deliberations in the Meeting

Member Secretary stated that the technical details as far as number of feeders in a particular substation, no. of UFR, length of communication links between nodes etc. have been provided which is to be checked by respective constituents. If there is any discrepancy, it should be brought to the notice of POWERGRID. However, none of the constituents, except Assam, have replied to the mails forwarded to them.

Assam representative stated that communication links length is to be checked properly along with geographical route maps and it is to be ensured that there is no repetition of the communication link in other projects.

Mizoram representative informed that their SLDC would take necessary action.

Manipur representative informed that their SLDC may have received the details and necessary action would be taken up by SLDC.

Chief Manager NERTS confirmed that there are no repetitions of communication links. He informed that in next OCC meeting, Powergrid will provide details including interest rates applicable if recovery of such project costs will be done in line with the provisions in tariff regulations.

Member Secretary requested all constituents to study the details and accordingly inform POWERGRID directly with a copy to NERPC secretariat so that concerns of constituents can be taken up by Powergrid / NERPC for further necessary action.

2.7 a) Expansion and Up-gradation of SCADA/EMS System and setting up new SLDCs of North Eastern Region:

b) Establishment of OPGW communication link

Cost break-up of installation of SLDCs in four states:			
Name of State	Building cost (Rs. Crs)	SLDC system cost (Rs. Crs)	Total cost (Rs. Crs)
Arunachal Pradesh	40.37	57.25	97.62
Manipur			42.96
Mizoram			40.62
Nagaland			33.8
Sub Total			215.00
Cost break-up of up gradation of SCADA in following three states:			
Assam			6.14
Meghalaya			6.91
Tripura			6.90
Sub Total			19.95

In the special TCC meeting held at Shillong, GM PGCIL indicated that the cost in respect of SCADA/ EMS up-gradation project in NER has gone up to about Rs. 70 Crores. POWERGRID enlighten the forum about the present status and give the detail cost breakup for Assam, Meghalaya and Tripura.

It may be noted that 2688 kms of OPGW communication link are covered under GSES in NER (Item 2.6). The details regarding state-wise OPGW length and connected nodes was provided by PGCIL and the same have been circulated to beneficiaries of NER by e-mail.

In addition to the above link, there is a proposal to cover 1960 km of NER with OPGW communication link as below: -

OPGW Communication link:			
Name of Sector	Length of link (in kms)	Name of places covered by the link (Rs. Crs)	Estimated cost (Rs. Crs)
Central Sector	1349	?	40.08
State Sector:			
Manipur	149	?	4.427
Meghalaya	107	?	3.179
Mizoram	59	?	1.753
Nagaland	25	?	0.7428
Tripura	271	?	8.05
Total	1960		58.24

POWERGRID is requested to enlighten the forum regarding the details of state-wise OPGW length and connected nodes for proposed link to ensure that there is no duplication with the GSES or URTDS schemes.

In 13th NERPC meeting, the committee had unanimously decided to submit a resolution, signed by Ministers of Power of NER states, to Ministry of Power, Govt. of India to approach DoNER / NEC for funding of above two schemes (2.7 a & 2.7 b). The matter was discussed in special TCC meeting held at Shillong on 9th February 2013. It was agreed that NERPC will approach Ministry of DoNER and NEC to enquire about the status of funding. NERPC has already taken up the matter with concerned authority of NEC & DoNER. Confirmation from NEC and DoNER for funding of such projects is still awaited.

The forum may discuss on how to go ahead with the project if funding is not made available from DoNER or NEC.

Deliberations in the Meeting

The Chief Manager, NERTS informed that details of status including cost break-up for upgradation of SCADA for Assam, Meghalaya & Tripura and OPGW communication links will be provided within next seven (7) days.

Assam representative stated that the fund requirement of the scheme should be met either through grant from central government or as per applicable tariff regulation of CERC.

Member Secretary informed that NERPC has already taken up the matter with concerned authority of NEC & DoNER regarding possibility of funding and confirmation from NEC and DoNER for funding of such projects is still awaited.

After detail deliberation, the members agreed that the issue will be forwarded to TCC for review including possibilities for the source of funding.

2.8 Independent third party audit of protection system:

The issue has been discussed in the OCC forums and third party audit was carried out for about 135 sub-stations and generating stations of 132 kV and above voltage class in NER. Based on the finding of protection audit team, the DPRs have been prepared station wise for rectifying the deficiencies observed. The same has been submitted to CEA with request for funding through PSDF or any other source without any financial burden to the constituents. The total cost of DPRs for NER is Rs. 815.90 and the same is reproduced below for information:

TOTAL ESTIMATES COST		
FOR NER		
Sl. No.	Name of State	Amount (Rs. Crs.)
1	Arunachal Pradesh (6 Stations)	33.454
2	Assam (48 Stations)	381.584
3	Manipur (9 Stations)	40.815
4	Meghalaya (21 Stations)	183.659
5	Mizoram (8 Stations)	65.247
6	Nagaland (6 Stations)	37.525
7	Tripura (13 Stations)	73.618
	GRAND TOTAL (111 Stations)	815.90

Deliberations in the Meeting

Member Secretary informed that based on the recommendation of the enquiry committee, protection audit in NER was carried out for about 135 numbers of substations and generating stations of 132kV and above voltage class and the Detailed Project Report (DPR) has been submitted to CEA/MoP for funding to take up rectification of various deficiencies in substations / generating stations. The estimated cost for up gradation/rectification of various deficiencies in substations / generating stations, covering 111 stations of state sector in NER is Rs 815.9 Crores. He stated that the source of funding for taking up the work is being planned by MoP/CEA to reduce burden on the constituents. If funding is not made available for total estimated cost, the constituents should plan for meeting the balance expenditure, as the rectification / upgradation work is essential for smooth & reliable operation of the grid and for overall benefit of the constituents.

2.9 Unified Real Time Dynamic State Measurement (URTDSM) Scheme:

The issue was discussed in special TCC meeting held at Shillong on 9th February 2013 it was agreed that the scheme shall be implemented as system strengthening and cost shall be added in the National transmission pool account and to be shared by all the Designated ISTS Customers (DICs) as per the POC mechanism under the CERC regulation. Estimated cost of the scheme is about Rs.655.98 Crore for all the five regions and the estimated cost in respect of NER is Rs. 50.77 Crore (Phase I - Rs. 24.23 Crore + Phase II - Rs. 26.54 Crore).

For information only.

Deliberations in the Meeting

The members of the committee noted.

3. Agenda items from APDCL (ASEB)

3.1 Commissioning of separate 33 KV Delivery Line to APDCL substation at Umrangsu:

On the basis of an APDCL Agenda item on this subject the 19TH CC meeting has decided to install a new energy meter at the newly drawn 33 KV feeder from 132 KV Khandong substation of NEEPCO to its Umrangsu 33/ 11 KV Substation thereby separating the colony supply of Umrangsu, NEEPCO. CTU is therefore requested to provide an energy meter of requisite parameters in that feeder for the purpose of proper accounting and billing of APDCL. This new meter would be the drawl point of APDCL and therefore it would be the additional METERING point of inter-state metering of NER. The existing 33 KV meter at the Umrangsu substation would now record the colony and other consumption of NEEPCO.

NERLDC/ NERPC is further requested to show the monthly readings of the old existing meter of Umrangsu 33 KV feeder in monthly REAs so that energy consumed by NEEPCO colony from its station generation or from UI can be made known to Beneficiaries.

Deliberations in the Meeting

Powergrid was requested to confirm the status of installation of new meter for drawal of Assam at Umrangsoo. Powergrid agreed to provide the status in next OCCM.

3.2 Information regarding Open Cycle Generation of AGBPP:

As intimated by CERC in the hearing dated 11.06.2013 on open cycle generation of AGBPP, as per provisions of scheduling the ISGS are supposed to give schedule of such combined cycle gas turbine generating stations declaring capacity on the basis of units/ module so that Beneficiaries may know in details about open cycle and combined cycle operation of the plant. In the hearing NEEPCO representative informed the Commission that it is giving schedule on station-wise basis as per Formats provided by NERLDC. As soon as NERLDC changes the pattern of Formats NEEPCO shall definitely submit schedules on unit/ module basis.

NERLDC/ NERPC is therefore requested to look into the matter and do the needful accordingly.

Deliberations in the Meeting

Discussed in item 2.4

3.3 Request of Arunachal Pradesh for a new 33 KV supply point:

The 19TH CC meeting deliberated on the proposal of Arunachal Pradesh to have a new 33 KV feeding point from Jonai 33 KV substation of Assam to its territory. Assam has agreed to the proposal of Arunachal subject to condition that the applicable tariff for this new connection be as per STOA tariff decided by AERC

from time to time. The 19th Commercial Forum advised Arunachal to settle the issue with APDCL through bilateral discussion.

Arunachal is requested to intimate its decision on the subject.

Deliberations in the Meeting

Ar. Pradesh representative informed that so far no decision has been taken. He, however, stated that office of the Chief Engineer, DoP, Ar. Pradesh has already taken up the issue and the status will be intimated within a fortnight.

3.4 Energy supply to Arunachal and Nagaland through 33 KV/ 11 KV network of Assam (APDCL):

Arunachal and Nagaland has been drawing energy through 33 KV/ 11 KV network of Assam since pre UCPTT period. But with the implementation of Point of Connection (PoC) system of transmission charges, continuation of existing supply mechanism is commercially not possible. The only solution for continuation of existing system is that such states are to pay against such 33 KV/ 11 KV drawl to APDCL at its tariff applicable for Bulk (others) or Short Term Open Access (STOA) rate approved by AERC from time to time.

APDCL therefore put an Agenda in this respect also in 19TH CC Meeting asking Nagaland and Arunachal either to agree for bilateral arrangement of purchase as per STOA tariff decided by AERC from time to time or stop drawl of such energy under the existing arrangement.

Arunachal and Nagaland are requested through this forum to submit their opinion.

Deliberations in the Meeting

Ar. Pradesh representative informed that the status would be intimated to Assam as soon as possible.

In case of Nagaland, the status could not be updated as no representative of Nagaland was present in the meeting.

The committee advised Assam to pursue with Ar. Pradesh & Nagaland bilaterally.

3.5 Anomalies of Inter State Meter Reading of 11 KV Bordumsa- Ketetong Feeders:

In pursuance of earlier CC meeting APDCL submitted an agenda item on anomalies in the meter readings submitted to NERLDC against 11 KV Bordumsa- Ketetong Feeder for the period from August' 2008 to July' 2010 due to consideration of wrong MF. The matter was put up in the 10TH NERPC meeting and the said meeting advised to both Assam and Arunachal Pradesh (AP) to settle the issue bilaterally. Accordingly AP has accepted the difference of readings vide its Letter No. 2024-26 dated 25.08.2011. The difference of meter reading under-recorded during the period was 5, 97,180 KWH. In the 19TH CC Meeting it was decided that NERPC will study the monthly average for the period and intimate accordingly.

NERPC is requested to inform the forum about the average UI rate.

Deliberations in the Meeting

The monthly averaged UI rate pertaining to the period was circulated to the concerned constituents and is also enclosed with the minutes of meeting at Annexure-B.

3.6 Anomalies of Inter State Meter Reading of 11 KV Rowing (Santipur) Feeder.

Similar anomalies of meter reading occurred in the supply point to Arunachal Pradesh through 11 KV Santipur Feeder due to malfunctioning of energy meter for the period from April' 2009 to July' 2011. The meter was replaced with a new one by APDCL in July' 2011 and the joint meter readings from July' 2011 onwards have already been furnished to Arunachal Pradesh vide this office letter dated 06.05.2013.

The forum is therefore requested to regularize the consumption of these period on the basis of average monthly consumption based on three months' consumption of succeeding period of replacement considering the average monthly UI of the relevant period to be calculated by NERPC.

Deliberations in the Meeting

The committee decided that the monthly averaged UI rate pertaining to the relevant period could be prepared by NERPC, if agreeable by the concerned constituents for settlement through such mechanism.

3.7 Commercial Operation of of 400 KV ATS of OTPC up to Byrnihat:

The ATS of OTPC Pallatana Project is commissioned up to Byrnihat of MeECL. The commercial modalities of sharing of transmission charges of the said ATS by beneficiaries be discussed and deliberated.

This is for information and necessary action of all concerned.

Deliberations in the Meeting

Assistant Secretary, NERPC informed that after CoD of line has been declared, the transmission charges of ATS of OTPC up to Byrnihat has been included in the PoC irrespective of Palatana's commissioning status.

The committee noted the same.

4. Agenda items from NERLDC.

4.1 UI outstanding:

Status of latest UI outstanding payable to pool is as below :

Mizoram : 4.0 Crores

Assam : 2.3 Crores

Nagaland : 1.9 Crores

Manipur : 1.4 Crores

Payment default is creating constraint in timely settlement of UI. All concerned may liquidate outstanding dues at the earliest.

Deliberations in the Meeting

Manipur representative intimated that necessary action has been taken for payment of the outstanding dues.

All other concerned states were requested to settle their outstanding dues at the earliest.

4.2 Non-payment of NERLDC fees and charges bills

In Terms of the CERC (fees and charges of RLDC and other related matters) Regulation, 2009 notified by CERC vide dated 18th September' 2009, CERC has approved fees and charges of RLDCs and NLDCs for the control period 2009-14.

After issuance of orders, NERLDC is raising the bills on monthly basis on the 1st working day of every month as per the Fees and Charges Regulation. **The status of latest outstanding is as below:**

Ar. Pradesh	21.7 Lacs
Manipur	23.0 Lacs
Meghalaya	24.9 Lacs
Mizoram	27.6 Lacs

Defaulting constituents may liquidate outstanding dues at the earliest and may clear monthly bills regularly to avail rebate as well as avoid mounting of outstanding dues.

Deliberations in the Meeting

Sl No.	Organisation	Status of action taken for liquidation of outstanding
1	Ar. Pradesh	LoC has been issued and some outstanding amount will be cleared soon.
2	Manipur	Under process for payment.
3	Mizoram	Some outstanding amount has been liquidated.

MeECL was requested to clear the outstanding dues as soon as possible.

4.3 Installation of SEM in Motonga end of Rangia-Motonga line :

For calculation of export & import of power through 132kV Deothang- Rangia transmission line which is treated as one inter-Regional point between ER and NER, weekly SEM reading of both ends meter are required. Installation of meter in Motonga end is pending for quite some time.

NERTS, POWERGRID may do the needful.

Deliberations in the Meeting

Chief Manager NERTS informed that installation of SEM at Motonga end will be completed by 1st week of July 2013.

4.4 Installation of one SEM in Kopili 132/33 kV new ICT:

One SEM may be installed in the new ICT which is meant for Kopili auxiliary consumption.
NERTS, POWERGRID may do the needful.

Deliberations in the Meeting

Chief Manager NERTS informed that Meter has been dispatched to the site and is expected to be installed by 30th June, 2013.

4.5 Procurement of SEM/DCD for 2013-14:

NERLDC has worked out requirement of SEM/DCD for 2013-14 which is attached.
Commercial Committee may discuss.

Deliberations in the Meeting

Chief Manager NERTS requested that the requirement of number of SEMs and laptops (in place of DCDs) may be discussed in next OCCM.

4.6 Non-submission of weekly SEM readings by Deomali (Ar.Pradesh) & Rengpang(Manipur).

Rengpang and Deomali are drawal points of Manipur and Ar. Pradesh respectively. Weekly SEM readings are not being received from these locations (occasional receipt from Motonga) in spite of discussion/decision in 19th CCM.

Manipur / Ar. Pradesh need to take urgent action.

Deliberations in the Meeting

Representative of Manipur informed that the action taken / status would be updated in next OCCM. Representative of Ar. Pradesh also assured that the action taken / status would be updated in next OCCM.

Representative of Manipur and Ar. Pradesh were requested to send the readings of SEM regularly as it is affecting timely issuance of UI accounts of NER.

4.7 Delayed receipt of weekly SEM readings

Weekly SEM readings from following locations are delayed showing various reasons.

Dimapur (POWERGRID)

Sarusajai (AEGCL)

AEGCL and POWERGRID may look into and do the needful.

Deliberations in the Meeting

Powergrid intimated that DCD has been replaced and the SEM problem has been rectified. Assam representative informed that there was problem with the software and it has been rectified. The representative of Assam suggested that spare DCDs / laptops with required software should be made available along with internet facility in nearby area / at a centralized location to meet any contingency requirement.

4.8 Tabling quarterly figures of UI and Reactive Pool Account in Commercial Committee

The consolidated quarterly figures were distributed to the constituents in the meeting. Observations, if any may be sent within 15 days to NERLDC. If no observation is received, the accounts as circulated will be taken as final.

5. Agenda items from TSECL

5.1 As on 04/06/13 Mizoram has an outstanding of about Rs. 06 (Six) crores & above excluding the surcharges as applicable. It is also to state that LC for monthly payment in favour of TSECL has not yet been made operational in spite of repeated persuasion **since Aug12.**

In view of the above, it is to mention that Mizoram is not only losing the rebate but also liable to pay surcharge as applicable from due date followed by power **regulation as per stipulation of PPA.** NERPC may kindly intervene.

Deliberations in the Meeting

Mizoram representative stated that some outstanding amount has been cleared and that action is being taken to clear the rest of the outstanding dues. He also requested TSECL to reconcile the accounts at the earliest.

Mizoram was requested to liquidate all outstanding dues and also to make the requisite amount of LC operational in favour of Tripura at the earliest.

5.2 UI payable for the period from **08.04.13 to 14.04.13** which were issued on 30/04/2013 seems to be exceptional high as Tripura had resort huge load shedding during that period and maintained drawal as per schedule. Moreover as per TSECL's day to day drawal records, it reveals that when Tripura was in over drawal resigm the frequency was high. While reconciling with record of day to day schedule published by NERLDC, it is also found that TSECL have not over drawn such huge quantum power resulting in substantial amount of UI payable. Therefore TSECL is earnestly request kindly to undertake review/ recheck the datas & meter reading BY NERLDC, so that discrepancy in UI amount as observed by TSECL is addressed.

Deliberations in the Meeting

Member Secretary informed that NERPC has re-checked the UI calculation for the relevant period and the same is found to be in order as per data (i.e, Actual drawl & Schedules/Availability) submitted by NERLDC. He advised Tripura to get any further clarification, if necessary, from NERLDC and NERPC at any time. The 15 minutes block-wise calculation detail in excel format can also be provided, if required by TSECL.

5.3 Release of day-ahead drawal schedule based on actual requisition by constituents instead of open & full capacity requisition.

Deliberations in the Meeting

Already discussed at item No. 2.5.

5.4 After Nov 2006, TSECL have not received NTPC power from unallocated share. But it is unfortunate that till today TSECL is paying for that power.

Deliberations in the Meeting

Discussed along with Item No. 5.5 below.

5.5 Claim of CPU's with retrospective effect putting huge burden on Beneficiaries.

It has been observed that CPU's are regularly raising bills in order to recover past expenses (like add: O&M, Income tax, publication expenses, security expense, maintenance of school expense etc.) against order of appropriate commission/ amended regulation. Some time, it is also fund that the dues are more than 8 years old. The beneficiary like Tripura is facing difficulties to clear such kind of old arrears even after meeting monthly regular bills on account of fixed charges & energy charges.

As per mandate and legislation of Electricity Act. 2003, it is not permissible to recover any dues from retrospective effect. The intention of said legislation is not to burden any prospective consumers whereas it is the duty of Generation, Transmission and Distribution Company to submit the tariff petition on regular basis. In case of Tripura, the ARR for past year & current year has already been approved by Regulator and therefore such arrear dues payable from retrospective effect will result in excess of approved ARR and therefore there would be no scope to recover the expenditure from prospective consumer.

The above act will not only burden the beneficiary but will led to suffer huge loss in the coming year. In view of the above, it is now essential to deliberate on the issue and to take suitable action so that burden is less and beneficiary can service their esteemed consume at reasonable & affordable cost.

Deliberations in the Meeting

AGM, NTPC informed that due to revision of tariff by CERC, arrear bills are being raised from time to time based on release of revised order of CERC. He further stated that after the filing of petitions, release of

order by CERC usually takes time, which is the main reason for delay in billing to the constituents. He suggested that provision for meeting the arrear bills may be made in ARR of distribution companies so that payment towards arrear bills can be made for enhanced tariff rates. Tripura and Assam representatives stated that this issue is a serious concern for them as anticipated arrear bills cannot be included in the ARR and such anticipated tariff rates are not acceptable to respective SERCs. Only final tariff rates are accepted by the SERCs.

After detail deliberation, beneficiaries were requested to bring to the notice of CERC all practical difficulties being faced by distribution companies by sending their views/ comments while the tariff regulation for the next five years is revised by CERC.

6. Agenda items from NEEPCO.

6.1 Regional Energy Accounts (REAs)

It is observed that the monthly REAs are made available at the end of the second week or the third week of the following month. As a result of this NEEPCO is unable to prepare and raise the monthly energy bills on its beneficiaries before the third or the fourth week of the following month. This leaves the beneficiaries only about a week's time at the most to release the payments against these bills. Consequently, many of them are unable to make full payments during the month.

This situation has an adverse impact on the monthly cash flow of NEEPCO and the Corporation faces difficulties in meeting its liabilities towards payments against gas bills and other O&M expenses.

In view of the above, it is proposed that NERPC may make the monthly REAs available within the first week of every month so that NEEPCO is able to raise its bills early, allowing the beneficiaries sufficient time to release the payments within the month.

Deliberations in the Meeting

Assistant Secretary, NERPC informed that if Declared Energy and Scheduled Energy are made available by NERLDC within 1st week of the month, the REA account can be issued by NERPC within reasonable time after receipt of the same from NERLDC.

NERLDC was requested to look into the matter so that the REA is issued within 1st week of the month.

6.2 Open Cycle Mode of Operation of AGBPP and certification there-of

This refers to the Energy Charge bills raised by NEEPCO on its beneficiaries for "Open Cycle Mode of Operation" of AGBPP, Petition filed before the Hon'ble Commission on the same and discussion on Agenda no. 2.4 of the 19th C.C. meeting held on 26th March'13.

In continuation to the deliberation during hearing before the Hon'ble Commission on the petition filed by NEEPCO as well as minutes of the aforesaid C.C. meeting on certification of "Open Cycle Mode of Operation" for the Power station, NEEPCO proposes discussion on the followings for proper recording and communication of such operation:

Development of revised Format by the NERLDC which will be utilized by the generator for informing the grid operator about the power station's operation of the module in open cycle mode including the reason/urgency for such operation.

Procedure to be followed by the NERLDC for intimating the beneficiaries about Open Cycle operation of the plant.

The above modified formats/procedures will be applicable prospectively only from its date of implementation.

The above is for deliberation among the members

Deliberations in the Meeting

Discussed in item 2.4

6.3 Outstanding dues payable by the beneficiaries

Dues on account of sale of electricity receivable by NEEPCO from its beneficiaries as on 14.06.2013 are as follows:

Beneficiary	Monthly Energy bill (Incl. Suppl. Bills)	Arrear Bills 2006-09	Arrear Bills 2009-14	Int. on arrear bills 09-14	Reimb. bills	Total
Assam	190.19	3.93	115.71	14.71	10.72	335.26
Mizoram	11.64	0.00	8.32	4.58	5.27	29.81
Manipur	3.70	0.44	33.77	6.79	1.83	46.53
Tripura	7.89	0.00	10.03	6.54	1.70	26.16
Ar. Pradesh	12.41	0.00	7.61	1.82	1.31	23.15
Nagaland	8.44	0.00	0.81	0.00	1.26	10.51
Meghalaya	156.03	0.00	59.68	6.01	2.63	224.35
Total	390.30	4.37	235.93	40.45	24.72	695.77

In addition, "Late Payment Surcharge" billed on the beneficiaries till 31.03.2013 for delayed payment in terms with the provisions of the relevant Regulations and the Tripartite Agreements are as follows:

Beneficiaries	Assam	Mizoram	Manipur	Tripura	Ar. Pradesh	Nagaland	Meghalaya
Amount (₹ in crores)	85.70	10.86	18.16	5.98	5.16	5.02	32.76

The above is for deliberation among the members and their action plan for early payment of their pending dues.

Deliberations in the Meeting

Constituents were requested to liquidate their outstanding dues at the earliest.

7. Agenda items from NHPC

7.1 Signing of BPSA in respect of Loktak Power Station :

Signing of BPSA in respect of Loktak Power Station is pending with **Department of Power, Govt. of Arunachal Pradesh and Assam Power Distribution Company Ltd., Assam** in spite of regular follow up. In the 19th Commercial Coordination Sub-Committee meeting, beneficiaries had assured NERPC & NHPC Ltd. that these BPSA will be signed on priority but no significant development took place, in fact, beneficiaries did not even bothered to reply NHPC letters/ sent any comment on draft BPSA, if any. They may be requested for early signing of BPSA.

Deliberations in the Meeting

Assam representative intimated that APDCL was having reservation on some clause/issues of the BPSA in respect of Loktak Power station and the matter is with the government. He, however, stated that BPSA will be signed by APDCL soon. Representative of DoP, Ar. Pradesh assured NHPC that the matter will be pursued

with the competent authority in the department. Committee advised NHPC to pursue further with the APDCL and DoP, Arunachal Pradesh so that BPSA is signed at the earliest.

7.2 Outstanding dues of NHPC for more than 60 days:

APDCL, Assam: An amount of **Rs 3.45 Crs** including surcharge is outstanding for more than 60 days on account of energy supplied from Loktak Power Station. APDCL has not released the installment amount of **Rs 2 Crs** (Rupees two crores only) since January, 2013 as per agreed liquidation plan in spite of regular follow up. APDCL may be requested to clear the outstanding dues for more than 60 days as per agreed liquidation plan along with current bills & surcharge.

Meghalaya : An amount of **Rs 4.56 Crs** (including surcharge of **Rs 0.06 Crs**) is outstanding for more than 60 days on account of energy supplied from Loktak Power Station. As per agreed liquidation plan, MeECL has to release **Rs 1.44 Crs per month** in addition to payment of current bills. But Meghalaya has neither released installment amount nor payment of current bills for the month of May, 2013. Meghalaya may be requested to clear the outstanding dues for more than 60 days as per agreed liquidation plan including current bills & surcharge.

Deliberations in the Meeting

Sl No.	Organisation	Status of action taken for liquidation of outstanding
1	APDCL	Some payment of current bills as well as arrear bills has been cleared. APDCL is planning to clear other outstanding dues as well and the matter has already been put up to their management.
2	Meghalaya	MeECL requested NHPC to take up the matter directly with their Finance Department.

7.3 Opening/maintaining of Letter of Credit (LC):

Mizoram: - Power & Electricity Department, Govt. of Mizoram has not furnished any Letter of Credit (LC) of requisite amount of **Rs 56 Lacs** so far in spite of regular follow up. The existing LC has already expired on 25.03.2013.

Arunachal Pradesh: - Department of Power, Govt. of Arunachal Pradesh has furnished Letter of credit (LC) only for **Rs 33.50 Lacs** against requisite amount of **Rs 58 Lacs**.

Power & Electricity Department, Govt. of Mizoram & Department of Power, Govt. of Arunachal Pradesh may be requested to furnish the Letter of Credit (LC) of requisite amount on top priority.

Deliberations in the Meeting

Mizoram representative informed that validity of LC has been extended upto 2014 and sanction has been given by state government and the matter is pending with the Bank and the formality is likely to be completed by July 2013.

Ar. Pradesh was requested to take up with concerned authority to open requisite amount of LC in favor of NHPC on priority basis.

8. Agenda items from NERTS/POWERGRID**8.1 Outstanding dues:**

The total outstanding of POWERGRID's NER beneficiaries is as under-

Total Outstanding of POWERGRID's NER beneficiaries (including surcharge):

As on: 17/06/2013

Rs in Crores

CONSTITUENTS	Outstanding against Non PoC bills	Outstanding against PoC bills	Outstanding more than 60 days	Total Outstanding (including surcharge)
Ar. Pradesh	0.57	2.36	0.10	2.93
ASEB (Assam)	0.00	0.19	0.00	5.86
Manipur	0.65	2.48	0.43	5.68
MeECL (Meghalaya)	4.23	15.11	10.19	19.39
Mizoram	0.35	2.74	0.00	3.15
Nagaland	0.21	1.77	0.00	2.02
TSECL (Tripura)	0.12	0.28	0.14	0.85
TOTAL	6.13	24.93	10.86	39.88

The total outstanding as on 17/06/2013 is **Rs 39.88** Crore. Out of total outstanding, **Rs 10.86** Crore is beyond 60 days. It may be seen that outstanding against MeECL is in much higher side. MeECL is requested to liquidate the outstanding as per liquidation plan forwarded to POWERGRID.

Constituents are requested to clear the outstanding dues in time to avail attractive graded rebate offered by POWERGRID. If the outstanding dues over 60 days are not cleared by the Constituents at the earliest, POWERGRID may not have any other alternative, but to resort regulation as per CERC norms.

Deliberations in the Meeting

Chief Manager, NERTS requested the beneficiaries to clear the outstanding dues at the earliest since the outstanding amount has become huge over the period. MeECL was requested by the committee to come up with some reasonable action plan for liquidation of their outstanding.

8.2 LC requirement against PoC billing as per Cl. No. 3.6 of BCD (Billing Collection and Disbursement) Procedures of CERC order No. L-1/44/2010-CERC, Dtd. 29.04.11

Cl. No. 3.6 of BCD states that, The Letter of Credit shall have a term of twelve (12) Months and shall be for an amount equal to one point zero five (1.05) times the average of the First Bill Amount for different months of the Application Period, as computed by the Implementing Agency (IA) for the DIC, where tripartite agreement for securitization on account of arrears against the transmission charges with the Government of India exist.

REQUIREMENT AND STATUS OF LC AS ON DATE (17.06.13) OF NER BENEFICIARIES

Sl No.	Beneficiary	Average first bill amount (Apr-Sep12) application period (Rs in Lakh)	LC required (Avg. first bill amount X MF 1.05) (Rs in Lakh)	LC AVAILAB LE (Rs in Lakh)	VALIDITY UPTO	Balance to be enhanced and renewed annually (Rs in Lakh)	Tota LC Amount to be renewed including enhanced value (Rs in Lakh)
1	Arunachal Pradesh	204	214.20	252.00	31.03.14		
2	ASEB (Assam)	1283	1347.15	1348.00	14.01.14		
3	Manipur	194	203.70	213.13	31.03.14		
4	MeECL	328	344.40	250.00	10.12.10	94.40	344.40
5	Mizoram	134	140.70	132.61	04.05.13	8.09	140.70
6	Nagaland	183	192.15	192.15	21.03.14		
7	Tripura	156	163.80	183.00	14.02.14		

Note – 1. LC shall be operated as laid down procedures of CERC order. 2. Tripartite agreement (TPA) for securitization on account of arrears against the transmission charges with the Government of India exists for all the constituents.

The constituents who are yet to renew LC are requested to enhance/renew LC as required to get the benefit of rebate scheme as per CERC norms.

Deliberations in the Meeting

The concerned constituents were requested to enhance/renew the requisite amount of LC as per CERC regulation.

8.3 Signing of Transmission Service Agreement

The TSA has been signed by NEEPCO, Mizoram, Arunachal, Manipur Nagaland and MeECL. Since signing of TSA is mandatory as per CERC norms, the rest Constituents viz. Assam and Tripura are requested to sign the TSA which has already been sent to them. It is mentioned that this matter was discussed in the last 3/4 CCMs wherein Assam and Tripura had assured to sign the TSA at the earliest.

Deliberations in the Meeting

Tripura have agreed to sign the TSA by July 2013. Assam was also requested to sign the agreement as soon as possible. PGCIL was advised to pursue further with the concerned constituents for signing of the TSA.

8.4 Metering Issues

i. Return of One no. Energy Meter from Udaipur substation.

TSECL had taken one no. energy meter from POWERGRID on returnable basis which had been installed at Banduwar/Udaipur S/S end. TSECL may kindly confirm the expected time frame of replenishment.

ii. Responsibility of Meter reading

As per IEGC IEGC (Effective from 1st April 2006) Cl. 6.4 "Demarcation of responsibilities: Clause 14" - *All concerned entities (in whose premises the special energy meters are installed) shall fully cooperate with the CTU/RLDC and extend the necessary assistance by taking weekly meter readings and transmitting them to the RLDC.* It is accordingly proposed that meter readings at the following stations where POWERGRID is presently taking readings should henceforth be taken by the concerned utility :

- a. Samaguri
- b. Mariani
- c. BTPS
- d. Bokajan
- e. Gohpur
- f. Pailapool
- g. Srikona
- h. Dulavcherra
- i. Panchgram
- j. Dimapur (Nagaland)
- k. Kohima
- l. Yurembam
- m. Karong
- n. Ningthoukhong
- o. Surjamaninagar
- p. Dharmanagar
- q. P K Bari
- r. Udaipur
- s. Khleihriat (MeECL)
- t. Palatana

iii. Procurement of Netbooks/Laptops instead of DCDs:

It is proposed that 20nos. Netbooks/Laptops may be procured instead of DCDs. This would be treated as pilot project to assess the performance.

iv. Concurrence on AMR Project:

Proposed Automatic Meter Reading project has already been discussed/ presented in various OCC/CCM. Constituents may give their views on implementation of the same.

v. Replacement of L&T Make Energy Meters:

62nos. L&T meters are to be replaced by newly delivered meters which will reach POWERGRID Shillong by 25.06.13 Constituents may confirm station wise coordinators name who will be associated during replacement of meters. Replacement Target is by Aug'13.

Deliberations in the Meeting

i. Tripura requested the committee to consider the SEM installed at Banduwar / Udaipur as ISTS meter since Banduwar/Udaipur S/S is used for evacuation of Pallatana power. PGCIL representative suggested that Tripura may communicate this proposal to regional office so that necessary action can be initiated.

II. The committee agreed with the proposal of transferring the responsibility of meter reading to the concerned constituents. However, it was suggested that concerned officials responsible for taking the readings should be trained properly before handing over the responsibilities as suggested by PGCIL as per IEGC. The representative of Assam suggested that trainer should be equipped with DCDs / laptops with required software. PGCIL was requested to continue with the present system till the date of transferring the responsibility is agreed. The issue would be reviewed in next CC meeting.

iii. Regarding procurement of Laptops in place of DCDs, NERTS representative informed that action for procurement of lap tops could not be taken up as details viz. number of laptops, location where laptops are to be provided etc. has not been finalized. The committee informed that in 19th CC meeting, NERTS had agreed to go for lap tops (in place of DCDs) in next round of procurement. However, NERTS may discuss this matter and finalize the quantities etc. in next OCC meeting.

iv. Regarding AMR, it was agreed that PGCIL will give detail presentation along with back up arrangement to take care of failure of AMR in next OCC meeting.

v. Regarding replacement of L&T make energy meters, NERTS representative requested that a central coordinator for each state may be nominated as it will be difficult to manage many coordinators (one for every station). It was agreed that nominee from each SLDC will be the central coordinator and he will be responsible for identifying the official(s) for each station within the state. The name of the central coordinator / official is to be submitted in next OCC meeting.

9. Any other item with permission of the Chair

(A) Cumulative Regulated Energy:

NEEPCO representative requested to reflect cumulative regulated energy in the REA as is done in the case of Schedule energy. It was agreed that NERPC will incorporate the same in the REA for the month of June 2013 onwards.

(B) MAT Rates:

NEEPCO representative requested to include the enhanced MAT rates in the monthly REA. Committee expressed that NEEPCO can raise the monthly bills with enhanced MAT rates as per provision in the tariff regulation and the MAT rate need not be reflected in the monthly REA.

(C) Press conference/ press release for highlighting major shutdown of ISGS:

APDCL representative stated that on many occasions, due to reduction in availability of Power, as a result of shutdown of generating stations, SLDC used to resort to load shedding which results in public protests. He suggested that NERPC may publish or announce such planned outages so that the consumers are aware of the situation and appreciate the requirement of load management.

The committee noted the suggestion and decided to forward to OCCM for further deliberation and if required, the matter will be taken up with TCC forum.

11. The next Commercial Coordination Sub-Committee meeting:

The 21st Commercial Coordination Sub-Committee meeting will be held in the month of August/September 2013. As per roster, Manipur will host the meeting. The date and venue of next meeting will be intimated separately.

The meeting ended with thanks to the chair.

Annexure – AList of participants in the 20th Commercial Committee meeting of the NERPC

SN	NAME OF PARTICIPANT	DESIGNATION	e-mail/ Phone/ Fax
ARUNACHAL PRADESH			
1	Bengia Bojok	EE (E)	bengiabojoy@gmail.com/9436052181/-
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NAGALAND			
No Representation			
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NERPC			
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ANNEXURE-B

Monthly Average UI rates:

Month	Average UI rate (in paise)
August 2008	534.69
September 2008	656.05
October 2008	632.32
November 2008	533.14
December 2008	488.91
January 2009	499.12
February 2009	600.52
March 2009	484.31
April 2009	524.27
May 2009	380.50
June 2009	482.37
July 2009	386.48
August 2009	543.38
September 2009	438.18
October 2009	397.00
November 2009	259.68
December 2009	313.02
January 2010	363.18
February 2010	287.04
March 2010	445.76
April 2010	569.15
May 2010	431.47
June 2010	322.79
July 2010	345.13