

EASTERN REGIONAL POWER COMMITTEE

MINUTES OF THE 10TH MEETING OF EASTERN REGIONAL POWER COMMITTEE

Date: 11.04.2009 (Saturday)

Venue : ITC Fortune Resort, Port Blair

The list of participants is given at Annexure-A.

Shri Pema Wangchen, Chairperson,ERPC & Principal Chief Engineer-cum-Secretary, Energy & Power Department, Govt. of Sikkim, Chaired the meeting.

Shri Vishwaroop, Regional Executive Director (ER-II),NTPC welcomed the members and the participants to the historic and beautiful place of Port Blair. He stated that power sector is passing through number of changes and the sector should keep pace with the growing economy. Implementation of capacity addition planned is a challenge. Fuel shortage is also an area of concern. He called for collaborative approach of the constituents for tackling the problems and achieving the goals.

Shri R.K. Grover, Member Secretary,ERPC welcomed Shri Pema Wangchen, the new Chairperson,ERPC, members of ERPC and other participants. He thanked NTPC for hosting the meeting in excellent manner. He placed on record the keen interest shown by Shri C.J. Venugopal, CMD-OPTCL & GRIDCO, in the ERPC matters during his tenure as Chairperson,ERPC. He mentioned that it was at the initiative of Shri C.J. Venugopal a seminar was held on issues and challenges in 'Reduction on AT & C Losses' and number of meetings were held to review the progress of new transmission systems in Eastern Region. He, then, read out the message sent by Shri C.J. Venugopal, CMD-OPTCL & GRIDCO.

Shri Pema Wangchen, Chairperson,ERPC & Principal Chief Engineer-cum-Secretary, Energy & Power Department, Govt. of Sikkim, thanked Shri G.J. Deshpande, Regional E.D., NTPC for making excellent arrangements for hosting the meeting at the beautiful place of Port Blair. He mentioned that it is a big responsibility on him to discharge the function of Chairperson,ERPC and solicited support and co-operation from fellow members of ERPC. He stated that ERPC is an ideal platform for resolving the issues through collective decision making. He appreciated the initiatives of Member

Secretary,ERPC for organising number of seminars and workshops on contemporary topics for the benefit of participants from constituents and re-affirmed his wholehearted support in further efforts. He mentioned that in recent time Hon'ble CERC had issued number of regulations on tariff, Unscheduled Interchange, IEGC etc. and expressed his keenness to know the views of members during the course of deliberations in the meeting.

ITEM NO.5 CONFIRMATION OF THE MINUTES OF THE 8TH ERPC MEETING HELD ON 21.11.2008 AT BODHGAYA

The minutes of the 8th ERPC meeting held on 21.11.2008 at Bodhgaya was issued vide letter no.ERPC/Committee/2008/5910-5228 dated 22.12.2008.

No comments have been received from the constituent members on the minutes of the meeting.

Members may please confirm the minutes of the 8th ERPC meeting.

DELIBERATION IN THE ERPC MEETING

Members confirmed the minutes of the 8th ERPC meeting issued vide letter no.ERPC/Committee/2008/5910-5228 dated 22.12.2008.

ITEM NO.6 SPECIAL (9TH) ERPC MEETING HELD ON 30.12.2008 AT KOLKATA

A special (9th)ERPC meeting was held on 30.12.2008 at ERPC, Kolkata and following 765 kV & 400 kV evacuation Schemes and 400 kV Sub-stations, LILOs & lines as ER system strengthening schemes were finalised:

I) TRANSMISSION SYSTEM ASSOCIATED WITH THE TILAIYA UMPP (4000 MW), BARH-II (1320 MW) AND NABINAGAR (1000 MW) AGREED IN THE STANDING COMMITTEE

a) Tilaiya UMPP (4000 MW)

- i) Tilaiya UMPP – Sasaram, 765 kV S/C line
- ii) Tilaiya UMPP – Gaya, 765 kV S/C line
- iii) Tilaiya UMPP – Balia, 765 kV S/C line

b) Barh-II (1320 MW)

- i) Barh – Gorakhpur 400 kV quad D/C line

c) Nabinagar (1000 MW)

- i) Nabinagar – Sasaram 400 kV D/C line with Twin Lapwing conductor line

II) SYSTEM STRENGTHENING WORKS IN EASTERN REGION

Bihar

- a) Establishment of 400/132 kV, 2x200 MVA Sub-Station near Lakhisarai with LILO of both circuits of one of the Kahalgaon-Biharsharif 400 kV D/C line and space provision for 3rd transformer and 4 nos. of 132 kV line bays.
- b) Establishment of 400/132 kV, 2x200 MVA S/S at Banka in Bihar and its connectivity with 400 kV grid

Jharkhand

- c) Sasaram – Daltonganj 400 kV D/C line
- d) Daltonganj 400 kV S/S, 2x315 MVA
- e) Establishment of 400/220 kV Chaibasa sub-station and LILO of one circuit of 400 kV Rourkela-Jamshedpur line at 400/220 kV Chaibasa

DVC & WBSETCL

- f) 400 kV Parulia-Jamshedpur-Baripada-Mendhasal D/C line

ORISSA

- g) Establishment of 400/220 kV sub-station at Bolangir by LILO of Meramundali-Jeypore 400 kV S/C line.
- h) Establishment of 400/220 kV sub-station at Keonjhar by LILO of Rengali-Baripada 400 kV S/C line
- i) Establishment of 400/220 kV S/S at Sundargarh by LILO of both circuits of the existing Talcher-Rourkela 400 kV D/C line.
- j) LILO of one circuit of the 400 kV Baripada-Mendhasal D/C line at Dubri for providing 2nd feeder to Dubri 400 kV sub-station of OPTCL

III) THE FOLLOWING TRANSMISSION SYSTEM FOR CREATION OF POOLING STATIONS IN ORISSA

- Establishment of 765/400 kV Pooling Station at Jharsuguda
- Establishment of 765/400 kV Pooling Station at Dhenkanal
- Establishment of 765/400 kV Pooling Station at Angul

- Dhenkanal Pooling Station – Angul Pooling Station 765 kV 2xS/C
- Angul Pooling Station – Jharsuguda Pooling Station 765 kV 2xS/C
- Jharsuguda Pooling Station – Dhenkanal Pooling Station 765 kV 2xS/C
- LILO of Rourkela-Raigarh 400 kV D/C at Jharsuguda Pooling Station
- *LILO of Meramundali-Jeypore 400 kV S/C line at Angul Pooling Station
- *LILO of one ckt of Talcher – Meramundali 400 kV D/C line at Angul Pooling Station
- *LILO of Meramundali-Chandaka 400 kV D/C line at Dhenkanal Pooling Station

[* These LILO would be disconnected later when Angul and Dhenkanal Pooling Station are developed as 765 kV as otherwise it would cause increased short circuit levels in the grid]

A follow up Meeting was held on 27.03.09 to discuss the implementation plan of the above approved scheme.

The minutes of the Special (9th) ERPC meeting were issued vide letter no.ERPC/TCC&COMMITTEE/2008/5568-12.01.2009.

Members may please confirm the minutes of the Special (9th) ERPC meeting.

DELIBERATION IN THE ERPC MEETING

Members confirmed the minutes of the Special (9th) ERPC meeting issued vide letter no.ERPC/TCC&COMMITTEE/2008/5568 dt.12.01.2009

ITEM NO.7 SIGNING OF NEW AGREEMENT FOR SYSTEM STRENGTHENING WORKS IN ER

Earlier a BPTA was executed between PGCIL, WBSEDCL & DVC for 400 kV Parulia – Jameshedpur – Baripada - Mendhasal D/C line but as per the decision of special ERPC meeting held on 30.12.2008, the line would be treated as regional asset. In this context the earlier BPTA which was executed between PGCIL, WBSEDCL & DVC would stand null & void. To avoid signing of new agreement, Powergrid requested for considering all the new elements of ER strengthening scheme (**Annexure-C**) as part of the main BPTA for the purpose of sharing of transmission charges by ER Constituents.

Members may please discuss.

DELIBERATION IN THE ERPC MEETING

Powergrid stated that as per norms investment approval for new transmission system could be accorded only after signing of BPTA and proposed that the transmission system associated with all the new elements of ER strengthening scheme, as per agreed in the Special ERPC Meeting on 30.12.2008, be considered as a part of the main BPTA so as to save time on account of formalities and procedures associated with signing of new BPTA. **Members agreed to the proposal of Powergrid.**

Powergrid further proposed that the transmission system associated with Tilaiya UMPP, Barh-II and Nabinagar power projects, as agreed in the Special ERPC Meeting on 30.12.2008, may also be considered as a part of main BPTA so as to save time on account of formalities and procedures associated with signing of new BPTA.

Powergrid informed that beneficiaries of Tilaiya UMPP, Barh-II and Nabinagar power projects are constituents of ER, NR, WR and Railways. Bihar and Jharkhand are the only beneficiaries among the ER States.

CMD WBSEDCL & WBSETCL stated that transmission charges associated with the above power projects should be borne by its **beneficiaries only** and should not be pooled with regional transmission charges.

In response to above, Powergrid confirmed that the transmission system associated with above power projects would not be a part of regional transmission system for the purpose of sharing of transmission charges. Further, Powergrid would communicate to all constituents confirming that transmission charges for the transmission system associated with Tilaiya UMPP, Barh-II and Nabinagar power projects would be **borne by its beneficiaries only**.

Members agreed to the proposal of Powergrid subject to compliance of above.

ITEM NO. 8 ISSUES REFERRED TO ERPC BY TCC MEMBERS OF THE 9TH TCC MEETING HELD YESTERDAY

ITEM NO. 8.1 COAL SUPPLY TO POWER STATIONS IN EASTERN REGION

TCC AGENDA

Daily report on coal stock position & generation loss on account of coal shortage are not being received from some of the constituents. All the constituents are requested to furnish the above data (loss of generation due to coal shortage in particular) as the matter is now being monitored by MOP. Scheduling will be different for the power station, declaring coal shortage from 1st April, 2009.

Coal report, as received, is tabulated below :

Sl. No	Name of Constituents	Coal Stock Position	Daily Requirement	Loss of Generation Figures for Feb'09
1.	BSEB	Not Furnished		Not Furnished
2.	JSEB	13920 MT	3500 MT	-DO-
2.	TVNL	2607 MT as on 09.03.09	6700 MT	NIL
3.	WBDCL Kolaghat TPS Santalidih TPS			36.504 MU in Jan'09 3.127 MU in Jan'09
4.	CESC BUDGE BUDGE TITAGARH SOUTHERN NEW COSSIPORE	124882 MT as on 09.03.09 46863 MT as on 09.03.09 30770 MT as on 09.03.09 25253 MT as on 09.03.09	7500 MT 3600 MT 2500 MT 1700 MT	NIL NIL NIL NIL
5.	OPTCL (Ib TPS)	204091 MT as on 19.03.09	8500 MT	NIL
6.	NTPC FSTPS KhSTPP TSTPS	Not Furnished		- 254.14 MU -
7.	DVC	-DO-		-DO-

DELIBERATIONS IN THE TCC MEETING

Constituents of Eastern Region expressed serious concern regarding shortage of coal. Director (FM & HR), WBDCL stated that WBDCL was incurring a loss of 10 MU per day due to coal shortage. He informed that due to coal shortage WBDCL power stations were not able to generate as per the target fixed by State Regulatory Commission. He also highlighted that for grade-B coal ECL was asking for Rs.4900 per MT against its normal price of Rs.1800 per MT. DVC stated that at Mejia TPS against daily requirement of 6 rakes, was receiving only 5 rakes. Only five units were running at Mejia TPS

(instead of six) due to coal shortage. During the year 2008-09 they have suffered 658 MU of generation loss due to coal shortage.

BSEB representative submitted that there is abnormal rise in energy charges of NTPC stations during last 5-6 months as given below :

	November'08	March'09
FSTPP	Rs.1.43/unit	Rs.2.57/unit
KhSTPP-I	Rs.1.11/unit	Rs.2.16/unit
KhSTPP-II	Rs.1.07/unit	Rs.1.93/unit
TSTPS	Rs.0.88/unit	Rs.1.27/unit

NTPC representative explained that NTPC power stations could not generate to their maximum capacity due to shortage of coal during April'08 to November'08. From December'08 onwards they are mixing imported high cost coal costing Rs.6500 / MT resulting increase in energy charges.

The issue referred to ERPC for deliberation on the subject.

DELIBERATION IN THE ERPC MEETING

Member Secretary,ERPC highlighted the problems of inadequate coal supply to power stations and the plight of the distribution companies as a result of low generation. He mentioned that rise in energy charge due to import of coal at a very high rate is also an area for concern. He sought the opinion of the members on the issue.

CMD, WBSEDCL & WBSETCL mentioned that the new tariff regulations of CERC has addressed the scheduling of power stations under coal shortage to the benefit of generating companies, giving them an opportunity to declare higher availability during peak hours and recovery of fixed charges thereof. The plight of the distribution companies like WBSEDCL is many folded. One way the distribution companies are facing power crisis due to low generation on account coal shortage; on the other way they have to make payment for the coal which is non-existent at the power stations, under the head interest on working capital. Import of coal at a high rate is further aggravating the financial condition of the distribution companies, since they have to purchase power at very high rate.

Managing Director, WBPDCCL highlighted that coal shortage is a standing and perennial problems for the generating companies. He stated that many power stations in India are still facing acute coal shortage which is seriously affecting the financial health of the generating companies. The State regulator has fixed certain generation targets which would be difficult to achieve under present coal crisis. The generating company, like WBPDCCL, may not be able to recover their full capacity charge while their debt servicing has already started. While domestic coal supply is inadequate, the State regulator has also put restriction on total quantum of import. He advocated for regulators at national level for coal pricing and supply.

Member (GO & D), CEA mentioned that during the year 2008-09 against the linkage of 393 Million MT, the Coal India could supply 352 Million MT of coal. Under the present situation import of coal is necessary. The linkage vis-à-vis short supply of coal is well known and is being monitored at the highest

level of the Government. He mentioned that some of the power stations are having coal unloading problems, which need to be addressed.

Regional Executive Director(ER-II), NTPC mentioned that import of coal is not a fool proof solution since only 10 to 20% of coal could be blended with domestic coal as per boiler design.

Regional Executive Director(ER-I), NTPC gave a brief account on the rise in FPA vis-à-vis energy charge in NTPC power stations in ER due to import of coal at a very high rate.

ITEM NO. 8.2 SYSTEM STRENGTHENING WORK OF EASTERN REGION

PROPOSAL OF WBSETCL & WBSEDCL

TCC AGENDA

400 KV Durgapur – Parulia - Maithon – Ranchi – PPSP – Durgapur D/C loop may be considered as system strengthening work of ER and transmission charges for the same may be shared by beneficiaries of Eastern Region. This ring consists of following line:

- i) 400 kV Durgapur- Parulia D/C - Existing State Sector lines
- ii) 400 kV Parulia – Maithon D/C - Under construction as State Sector lines
- iii) 400 kV Maithon – Ranchi D/C - Existing Central Sector lines
- iv) 400 kV Ranchi – PPSP D/C - Approved by Standing Committee as State Sector lines
- v) 400 kV PPSP – Durgapur D/C - Existing State Sector line

WBSETCL requested that this 400 kV D/C ring should be considered in ER strengthening scheme and transmission charge should be shared by ER constituents as it would be strengthening the ER grid.

Members may please discuss.

DELIBERATIONS IN THE TCC MEETING

POWERGRID representative stated that the existing 400 kV Maithon-Ranchi D/C line is a central sector line under regional system pertaining to Kahalgaon Stage-II. Another 400 kV Maithon-Ranchi D/C line is under construction as associated transmission system of Maithon Right Bank Power Project and as per CERC regulations, the beneficiaries of Maithon RB would share the transmission charges for the line.

BSEB, JSEB and Sikkim did not agree to the proposal of WBSETCL for considering 400 kV Durgapur – Parulia - Maithon – Ranchi – PPSP – Durgapur D/C loop under regional system and sharing of associated transmission charges under regional pool.

The issue referred to ERPC for deliberation.

DELIBERATION IN THE ERPC MEETING

Chief Engineer, Sikkim stated if the proposal of WBSETCL was agreed to, then some of the associated transmission lines of power projects under development in Sikkim should also be considered under regional pool.

BSEB and JSEB also did not agree to the proposal of WBSETCL since most of lines were already approved as State Sector lines.

No consensus could be reached on the issue. It was decided that WBSETCL would review their proposal. However, WBSEDCL and Sikkim may submit their proposals with details for discussions in Operation/Commercial Sub-Committee meeting.

ITEM NO.8.3 SETTLEMENT OF DISCREPANCY IN JOINT METER READINGS OF TALA AND BINAGURI ENDS FOR TALA ENERGY RECEIPTS FOR THE PERIOD FROM DECEMBER'06 TO MARCH'08 (EXCEPTING FEW MONTHS) AND ASSOCIATED REVISION OF REGIONAL ENERGY ACCOUNTING (REA)

TCC AGENDA

There were discrepancies noticed in the monthly joint energy meter readings of 400 kV Tala–Binaguri Lines I & IV for the period between December'06 to March'08 barring few months. It was pointed out in the respective monthly REA issued by ERPC, for Tala energy receipt, that the same would be revised once the discrepancies are sorted out by the concerned agencies. Accordingly, the reconciliation work in this regard actually commenced between PTC and Tala HPS authority from mid 2007 onwards with active participation from ERPC and other concerned agencies. Thereafter, ERPC Secretariat convened Special meetings from time to time, e.g., at Siliguri on 10.10.2007, THPA office at Gedu, Bhutan on 11.12.2008, ERPC office on 14.01.09 and POWERGRID office on 17.03.09 with participants from Tala HPS authority, PTC, POWERGRID(ER-II), ERLDC besides ERPC Secretariat to sort out the above discrepancies. In the above meetings, problem areas were identified, suitable measures suggested so that similar discrepancies could be reduced. The process of implementation of suggested measures have been initiated with the aim to complete the process by March'2009. The key measures suggested in the meetings were as under :

- A) All the Main and Check meters at both the ends of 400 kV Tala – Binaguri Lines I to IV should be Special Energy Meters (SEM) of same make, same type and same accuracy class.
- B) Similarly, all the required meters (SEM) connected to and from Malbase Sub-station of Bhutan should be ensured by respective concerned parties that they are of similar make, type and accuracy class as above.
- C) For the discrepancies in the joint meter readings of the past period i.e. for the period from December'06 to March'08, an amicable solution was found out which has been agreed to by both PTC and Tala HPS representatives (In the monthly REA issued by ERPC Secretariat, a fixed 1.34% line loss, where applicable, was considered in all the concerned months due to discrepancies in the monthly energy meter readings).

In line with above decision, for the past period from December'06 to March'08, all the respective monthly REAs for Tala energy receipts at Binaguri end will be subjected to revision as per agreed methodology.

Accordingly, the effect of changes in the monthly the revised REA for the respective months for Tala Energy Receipts are prepared and shown below:

MONTH	TALA RECEIPT IN MWH		ADDITIONAL BOOKING IN MWH
	AS PER REA	AS PER REVISION	
December'06	128556.662	128728.859	172.197
January'07	81188.846	81429.513	240.667
February'07	70119.420	70220.153	100.733
March'07	114895.955	114999.922	103.967
April'07	175674.956	175964.918	289.962
May'07	203444.058	203910.823	466.765
June'07	278312.287	278837.353	525.066
July'07	455222.393	455640.604	418.211
August'07	599141.279	599926.927	785.648
September'07	586550.466	587329.668	779.202
October'07	408737.557	409317.097	579.540
November'07	184600.392	184803.898	203.506
January'08	74207.692	74216.206	8.514
March'08	73212.805	73223.822	11.017
Grand Total	3433864.768	3438549.763	4684.995

Deliberations in the 9th Commercial Sub-Committee meeting

Member Secretary, ERPC appraised the members regarding the discrepancy in the joint meter reading of Tala and Binaguri ends for the period between December'06 to March'08 and the actions taken by ERPC Secretariat for the resolutions of the same. He also informed that settlement had already taken place between PTC and THPA based on the consensus decision. He requested the beneficiaries of the Tala to accept additional booking to the extent of 4684.995 MWH as shown in the agenda to be apportioned among the beneficiaries in proportion of the respective shares in Tala.

Utility members present in the meeting appreciated the initiative taken by ERPC Secretariat towards the settlement of discrepancies and agreed for the revision of REA as indicated in the agenda with the approval of TCC and ERPC.

As decided in the Commercial Sub-Committee meeting, the issue is placed before TCC and members may please discuss and agree.

DELIBERATIONS IN THE TCC MEETING

The TCC members present in the meeting approved the proposed revision of REA for settlement of discrepancies in the joint meter reading of the Tala and Binaguri ends for Tala energy receipts for the period from December 2006 to March 2008.

The issue referred to ERPC for approval.

DELIBERATIONS IN THE ERPC MEETING

ERPC approved the proposed revision of REA. ERPC Secretariat was advised to issue necessary revision in this regard.

ITEM NO.8.4 ISSUES PERTAINING TO CERC TARIFF REGULATIONS 2009 : RAISING OF BILL BY GENERATING COMPANY / TRANSMISSION LICENSEE FOR THE PERIOD FROM 01.04.2009 TILL APPROVAL OF TARIFF BY CERC IN ACCORDANCE WITH CERC REGULATION 2009.

TCC AGENDA

As per Clause 5 (3) of the CERC Tariff Regulations :

Quote

In case of the existing projects, the generating company or the transmission licensee, as the case may be, shall continue to provisionally bill the beneficiaries or the long-term customers with the tariff approved by the Commission and applicable as on 31.3.2009 for the period starting from 1.4.2009 till approval of tariff by the Commission in accordance these regulations :

Provided that where the tariff provisionally billed exceeds or falls short of the final tariff approved by the Commission under these regulations, the generating company or the transmission licensee, as the case may be, shall refund to or recover from the beneficiaries or the transmission customers, as the case may be, within six months along with simple interest at the rate equal to short-term Prime Lending Rate of State Bank of India on the 1st April of the concerned/respective year.

Unquote

Deliberations in the 9th Commercial Sub-Committee meeting

Drawing the attention of the members to the agenda item, Superintending Engineer (Comml), ERPC requested al the ISGS, ISTS and their beneficiaries to advise ERPC regarding preparation of REA with effect from 01.04.2009. After detailed deliberation all the ISGS, ISTS and their beneficiaries present in the meeting unanimously decided that till the finalization of tariff by CERC, existing tariff will be applicable with the new norms specified in the CERC (Terms & Conditions of Tariff) Regulations 2009.

Members may deliberate and agree.

DELIBERATIONS IN THE TCC MEETING

During the deliberation, NTPC submitted that CERC Regulations very clearly provide the tariff as applicable on 31.03.2009 along with old norms shall continue to be charged from 01.04.2009 till approval of tariff by the Commission in accordance with the 2009-14 regulations.

It was clarified by Superintending Engineer (Commercial),ERPC that in the 9th Commercial Sub-Committee meeting held on 23.03.2009, all the ISGS, ISTS and their beneficiaries present in the meeting had unanimously decided that till the finalisation of tariff by CERC, existing tariff shall be

applicable with the new norms specified in the CERC (Terms & Conditions of Tariff) Regulations 2009.

It was further informed by Superintending Engineer (Commercial),ERPC that the scheduling as per the new regulation had also been started with effect from 01.04.2009 by ERLDC. Adhering to old norms with old tariff for preparation of REA from April 2009 would be impracticable. Further, Superintending Engineer (Commercial),ERPC read out the extract from the explanatory notes issued by CERC in this respect. A close scrutiny of the note reveals that the old tariff with the new norms would be applicable from 01.04.2009 till finalisation of tariff by CERC.

After detailed deliberations all the constituents except NTPC agreed with the observations made by ERPC Secretariat. As per the request of NTPC, Member Secretary, ERPC agreed to refer the issue to CERC. However, as the issue of applicability of new norms vs. old norms is being referred to CERC for advice, nevertheless if no advice is received by April'09 end, the REA would be provisionally prepared based on old tariffs and new norms.

The issue referred to ERPC for advice.

DELIBERATIONS IN THE ERPC MEETING

As referred by TCC, the matter was further discussed in the meeting. After deliberation at length on the issue, members of the ERPC authorised Member Secretary, ERPC to approach CERC for clarification of the subject clause. It was also decided in the above meeting that REA from April,2009 will be prepared provisionally based on old tariff (AFC) and new norms till any advice is received from CERC in this regard.

ITEM NO.8.5 SEMINAR ON “REDUCTION OF ATC LOSSES – ISSUES & CHALLENGES“ ON 05.12.2008 – REGARDING PAYMENT

TCC AGENDA

As per the decision of the 7th ERPC meeting held at Ranchi on 26.7.2008 an one day workshop was organized by ERPC/ GRIDCO at Bhubaneswar on “Reduction of ATC Losses – Issues & challenges“. As advised by ERPC (vide ERPC letter no ERPC/MS/Seminar/2009/5748-49 dated 22.01.09) an amount of Rs.184991.00 (One lakh eighty four thousand nine hundred and ninety one only) has been released from Reactive Power Pool account in favour of GRIDCO on 11.2.2009 for meeting a part of the expenditure incurred during the Seminar .

Commercial Sub-Committee may approve the above expenditure.

Deliberations in the 9th Commercial Sub-Committee meeting

Commercial Sub-Committee agreed subject to approval of TCC and ERPC.

As decided in the Commercial Sub-Committee meeting, the TCC may approve the above expenditure.

DELIBERATIONS IN THE TCC MEETING

TCC referred the issue to ERPC with recommendation for approval.

DELIBERATIONS IN THE ERPC MEETING

As recommended by TCC, ERPC approved the expenditure of Rs.1,84,991/- made towards holding one day workshop organised by ERPC and GRIDCO at Bhubaneswar on 26.07.2008.

ITEM NO.8.6 WORKSHOP ON BLACK START & RESTORATION PROCEDURE, SCHEDULING & SYSTEM OPERATION, RELIABILITY ISSUES & METERING AND SETTLEMENT SYSTEMS FOR ER GRID

TCC AGENDA

In order to keep pace with the recent development in power sector and functioning of load dispatching, it is essential that the operators of various beneficiaries of ER get the opportunity to develop themselves. Keeping this in mind continuous training/workshops are required to be organized in ER. ERLDC proposes to organize 4 nos one day workshop on subjects like Black start and system restoration procedure, system operation & scheduling, SCADA (application/ data validation / state estimator), Reliability (TTC/ATC, system studies), metering & settlement system etc. The first workshop on Black start and System restoration is proposed to be organized on the next day of monthly OCC meeting to be held during the month of April.

The expenditure for conducting such workshops (approximately Rs 40000.00 per workshop) may be utilized from Reactive Pool Account.

Commercial Sub-Committee may please approve the same.

Deliberations in the 9th Commercial Sub-Committee meeting

Commercial Sub-Committee agreed subject to approval of TCC and ERPC.

As decided in the Commercial Sub-Committee meeting, the issue is placed before TCC and members may please discuss and agree.

DELIBERATIONS IN THE TCC MEETING

It was informed by GM, ERLDC that the Workshop on “Black Start and Restoration Procedure” to be conducted by ERLDC has been scheduled to be held on 18.04.2009 at Kolkata. He informed that an estimated expenditure of Rs.40,000/- was approved by the 9th Commercial Sub-Committee in its meeting held on 23.03.2009. He requested for upward revision of tentative expenditure to Rs.65,000/- to be booked from Reactive Pool Account as per the actual only.

TCC referred this to ERPC with recommendation for approval.

DELIBERATIONS IN THE ERPC MEETING

ERPC approved the tentative expenditure of Rs.65,000/- for holding the Workshop on “Black Start and Restoration Procedure” by ERLDC on 18.04.2009 at Kolkata.

ITEM NO.8.7 MICROWAVE COMMUNICATION SYSTEM UNDER ER-ULDC PROJECT-ALTERNATE COMMUNICATION ARRANGEMENT DUE TO VACATION OF ALLOCATED MW FREQUENCY AS PER GOI DECISION.

TCC AGENDA

ULDC, Eastern Region has been established by POWERGRID, which is in commercial operation since September, 2005 through mix of Microwave & fibre optic communication links. Recently, Ministry of Communication, GoI, has informed that spectrum in the frequency band 2.3 to 2.4 GHz band, which is being used for ULDC links, are to be vacated as per GoI mandate as this band needs to be auctioned for Broadband Wireless Access Service. In view of the development, as a long term solution, POWERGRID has proposed to implement a comprehensive Fibre Optic (OPGW) based communication network to replace the existing MW based network for all constituents including Central sector. The matter has been discussed in 4th SCADA O&M Committee meeting as well as in the last TCC meeting of ERPC held at Bodhgaya. As the countdown for making alternate communication arrangement has already begun, it is requested that the ER beneficiaries' constituents may please give in principle approval of POWERGRID proposal. The matter was also discussed in the last TCC meeting of ERPC held at Bodhgaya, where tentative estimated cost of Rs.122.20 crores for the network was projected. Constituent wise details of cost break-up for ER are given below :

Total Cost	Rs. in Crore			
	OPGW	UGFO	TOTAL	122.2049
	Km	Km	Km	
DVC	207	10	217	15.48
WBSEB	388	0	388	27.68
CS	253	10	263	18.76
BSEB	447	20	467	33.32
OPTCL	373	5	378	26.97
	1668	45	1713	122.20

* This includes equipment cost also.

Deliberations in the 9th Commercial Sub-Committee meeting

It was pointed out by ERPC Secretariat that the issue was discussed in the 8th TCC meeting held on 29.11.2008 at Bodhgaya wherein "After detailed deliberation, it was agreed that POWERGRID and all utility constituents through their respective State Government would approach MoP, GoI for funding the project through the fund of the Central Government".

It was explained by ERPC Secretariat that the issue is under active consideration of TCC and as such the entire issue may be placed by POWERGRID in the TCC meeting.

POWERGRID may like to elaborate.

Members may please discuss and decide.

DELIBERATIONS IN THE TCC MEETING

POWERGRID gave a detailed presentation (refer Annexure - D) on the above issue with a revised cost estimate of Rs.160 Crores. He underlined the need for immediate action to conform to the deadlines issued by DoT for vacation of frequency band from 2.3 to 2.4 GHz.

During deliberations WBSETCL pointed out that the required fund should either be provided by the Central Government as a grant or by diverting UI Pool balance. Other beneficiary constituents also echoed the same view.

It was clarified by Member Secretary, ERPC that in spite of the ER States taking up the issue with the Government of India, no positive response is forthcoming regarding funding of the project by the Central Government as a grant. He also underlined the need to take urgent action to complete the work within the deadline set by DoT.

It was clarified by GM, ERLDC that utilisation of the amount available in the ER UI Account Pool balance is governed by CERC regulations. So same can not be utilised for this purpose.

After deliberations it was decided that ERPC Secretariat would refer the issue to CERC for utilisation of money available in the ER UI Account Pool balance.

Matter referred to ERPC for further deliberation.

DELIBERATIONS IN THE ERPC MEETING

Initiating the discussions, Member Secretary, ERPC emphasised the importance of establishment of alternate communication, i.e. fibre optic communication in lieu of existing microwave links in view of decision of DoT for vacation of 2.3 to 2.4 GHz frequency band. In this regard he invited GM (LD&C), POWERGRID for making a presentation on the issue. GM (LD&C) in his presentation appraised members the outcome of the meeting between Ministry of Communication and Ministry of Power held on 04.22.2008 regarding the issue. As per the decision taken in the meeting held between Ministry of Power and Ministry of Communication on 04.11.2008, (i) 2.3—2.4 GHz band used in ULDC Microwave links is to be vacated in 2 years time; (ii) Further, the cost compensation sought from DoT for early replacement of MW links as suggested by constituents has not been agreed by DoT. Accordingly, Fibre Optic based Wideband Communication network is required to be implemented in lieu of existing MW links within the time frame of 2 years. Further, it was also informed that, based on discussions with constituents, 2359 kms of fibre optic network is required to be established with tentative cost of Rs.160.65 Crores. Constituentwise revised financial implications for the scheme is given by POWERGRID in the meeting is furnished below :

Constituent	FO cable length (in KMs)	Tentative Cost (in Rs.Cr.)
Central Sector	548	38.43
BSEB	439	27.61
OPTCL	387	26.10
DVC	474	34.38
WBSETCL	511	34.13
TOTAL	2359	160.65

While agreeing the need of implementation of fibre optic scheme in lieu of existing Microwave links, Director (Transmission), WBSETCL expressed that scheme needs to be funded by DoT/GoI as the requirement of vacation of frequency band is at the behest of DoT. GM (LD&C), POWERGRID stated that the funding of the scheme has not been agreed to by DoT and the fibre optic scheme is required to be implemented in the time frame of two years. WBSETCL's suggestion of utilisation of available surplus funds with ERLDC for implementation of the scheme was not considered in view of clear directive given by CERC for utilisation of such fund for specific purposes.

After detailed deliberation, ERPC unanimously agreed for establishment of Fibre Optic based Wideband Communication network by POWERGRID in the Eastern Region in lieu of the existing network of Microwave link at a total tentative cost of Rs.160.65 Crores.

ITEM NO.8.8 ISSUES RAISED BY POWERGRID

POWERGRID, ERTS-II, Kolkata submitted following agenda points for discussion in the Commercial Sub-Committee meeting. POWERGRID also reported that the items were discussed in the 35th OCC meeting held at Farakka, NTPC.

I) REPLACEMENT OF CIRCUIT BREAKERS

TCC AGENDA

- a) There are **26 no. 220kV ABCBs** in CTS system at BIRPARA, DALKHOLA & SILIGURI S/S of POWERGRID commissioned around 1986 and thus completed 23 years in service and lately started giving frequent leakage/maintenance problem due to ageing. ABB has long back stopped production of ABCBs but continued service support for 20 years till recently. Now ABB has stopped the spare support w.e.f. January'09. Hence in order to ensure reliable evacuation of Chukha power & supply at 220kV level, the ABCBs have to be replaced immediately else their outage may result in prolonged outage of feeders. Such replacements have already been done in other regions.
- b) There are 02 nos. NGEF make and 04 nos. TELK make **220KV SF6 CBs** are in service at 400/220KV Durgapur S/S commissioned around 1990 and are giving frequent problems due to ageing problem. M/s NGEF and TELK have stopped production and also spare support. Hence in order to ensure reliable evacuation of power and supply at 220 KV level, the TELK and NGEF make CBs have to be replaced

immediately else their outage may result in prolonged outage of feeders. Such replacements have already been done in other regions.

Cost of replacement of 32 sets (26 + 06) CBs @ Rs. 16 lakhs/set will be Rs. 5.12 Crore. Considering the *salvage value* of existing CBs @ 10% of its original value (Rs 5 lakhs/set) the total salvage value comes to **Rs 16 lakhs**. Hence total cost of replacement of CBs after deducting the salvage value will be **Rs 5 Crores**.

Deliberations in the 9th Commercial Sub-Committee meeting

Commercial Sub-Committee agreed for replacement of 32 sets of circuit breakers at a total cost of Rs.5 crores subject to the approval of TCC and ERPC.

As decided, the issue is placed in the TCC and members may discuss and agree.

DELIBERATIONS IN THE TCC MEETING

TCC referred this proposal to ERPC with recommendation for approval.

DELIBERATIONS IN THE ERPC MEETING

ERPC approved the above replacement at a total cost of Rs.5 crores.

II) REPLACEMENT OF GAPPED LIGHTNING ARRESTORS (LAs)

TCC AGENDA

There are around 200 no. gapped LAs in service at various stations of ER-II. There are increasing incidences of bursting of the LAs in service & failure during charging. It shows their ineffectiveness to handle the surges while in service as well as the switching surges. These LAs have already served 15 years in service & their performance is not reliable. This has been established through a study as published in IEEE publication of 1996. The study establishes deterioration of such LAs after 10 years and the degradation was evident in such LAs of 13 years in service. *The study has recommended progressive replacement of all such Gapped LAs of 13 or more years in service, with Metal Oxide LAs.*

If these LAs are not replaced, they may pose danger to the Residual Life of costly equipments like transformers & reactors and as well as may cause huge damage. As such POWERGRID proposes to replace the gapped LAs immediately with more reliable MOX Arresters. The cost of replacement of 191 no of gapped typed LA of different voltage level will be **Rs 1.95 Crore after deducting the salvage value @ 10% of its original cost.**

Deliberations in the 9th Commercial Sub-Committee meeting

Commercial Sub-Committee agreed for replacement of 191 nos. of gapped type Lightning Arrestors at a total cost of Rs.1.95 crores subject to the approval of TCC and ERPC.

POWERGRID may like to elaborate .

As decided, the issue is placed in the TCC and members may discuss and agree.

DELIBERATIONS IN THE TCC MEETING

TCC referred this proposal to ERPC with recommendation for approval.

DELIBERATIONS IN THE ERPC MEETING

ERPC approved the proposal of POWERGRID for replacement of 191 nos. gapped type lightning arrester at a total cost of Rs.1.95 Crores.

III) REPLACEMENT OF PLCC (SPEECH & PROTECTION COUPLER & FOR BOTH ENDS)

TCC AGENDA :

BPL make old type PLCC panels are installed in Chukha Transmission System and JTTS. Due to design obsolescence, the spares are not available. These PLCC panels are required to be replaced. These PLCC have already served more than twenty years in service & their performance is not reliable. Hence in order to ensure reliable evacuation of Chukha power & supply at 220kV level, and JTTS at 400KV level the BPL make PLCCs have to be replaced immediately else their outage may result cascade trippings & grid disturbances. Such replacements have already been done in other regions. Cost of replacement of BPL make panels in CTS as well as JTTS will be as follows **after deducting the salvage value @ 10% of its original cost.**

i) Cost of replacement of BPL make 220KV & 400KV Panels of CTS & JTTS of ER-II = **Rs. 2.79 Crore**

ii) Cost of replacement of BPL make 220KV pertaining to said line but belongs to other Region / Constituent (Rs 0.83 Crore only) as per detailed given below

Cost Appropriation :

POWERGRID,ER-I	= Rs. 2080840.00
POWERGRID,NER	= Rs. 2080840.00
CHUKHA HPS	= Rs. 2080840.00
BHUTAN POWER CORP.	= Rs. 2080840.00

Kind attention of ERPC and the Constituent members are invited towards capital addition for carrying out replacement of the phased out, inoperative & obsolete CBs, LAs & PLCCs to ensure reliability & security.

POWERGRID requests for kind consent of the Constituents for replacement of the above equipments at an estimated cost of Rs. 10.16 Crores (9.74 for ER-II + 0.42 POWERGRID, ER-I & NER) to increase the life expectancy of the equipments installed in the S/S for their smooth and trouble free operation. However, the replacement will be carried out in phased manner, i.e. in the time frame of 2 to 3 years.

Deliberations in the 9th Commercial Sub-Committee meeting held on 23.03.09

Commercial Sub-Committee agreed for replacement of PLCC (Speech and Protection Couplers) as given in the agenda subject to the consent of TCC, ERPC, NERPC, CHPC and BPC.

POWERGRID may like to elaborate.

As decided, the issue is placed in the TCC and members may discuss and agree.

DELIBERATIONS IN THE TCC MEETING

TCC referred this proposal to ERPC with recommendation for approval.

DELIBERATIONS IN THE ERPC MEETING

ERPC approved the phase-wise replacement of inoperative and obsolete CBs, lightning arrestors and PLCC as given in the proposal at a estimated cost of Rs.10.16 crores.

ITEM NO.8.9 ISSUES RAISED BY ERLDC

I) AWARD OF LONG TERM SERVICE AGREEMENT (LTSA) FOR EMS/SCADA SYSTEM IN EASTERN REGION.

TCC AGENDA :

The EMS/SCADA system installed in the RLDC and SLDC are under extended warranty till 15th June, 2009. After the expiry of the paid extended warranty, Annual maintenance contract has to be awarded for smooth functioning of the system. The matter was discussed in 5th SCADA O&M meeting held on 23rd, January, 2009 and it has been decided that the AMC may be awarded under two major packages, (i) Control Center equipments along with software (ii) RTUs and other associated systems. It was also decided that AMC of the Control Centre equipments and software may be done through OEM and the processing may be coordinated by ERLDC. AMC of the RTUs and associated systems may be done through Limited Tendering process to be coordinated by POWERGRID.

a) In line with the decision, a draft MOU has been circulated which is required to be signed between ERLDC and the constituents (copy enclosed) as has been done in other region for co-ordination during the execution of AMC. An overhead charge for ERLDC @16% on the AMC charges has been mentioned in the MOU. However, the same shall be charges after discussion with the constituents and approval by POWERGRID management. The same may be cleared by the commercial committee for placing the MOU to the Board for approval.

b) ERLDC has taken up with the OEM vendor for the budgetary quotation and the vendor has submitted their budgetary offer for the AMC for 3 years which is as detailed below :

Sr. No.	Offer price (in Lakhs)	% of derived capital cost
1 st year	691.50	8.14
2 nd year	707.00	8.32
3 rd year	851.52	10.02

It is felt that the system should run at least for another 5- 6 years and it has been decided to process for AMC initially for 3 years to be made extendable for another 2 years with mutual agreement for optimization in maintenance charges. ERLDC is in the process of taking administrative approval for finalization the AMC through negotiation as per Works & Procurement Policy of POWERGRID.

- c) Sikkim has not paid the AMC charges of Rs.76,217/- for the extended warranty period (paid warranty). The award was placed based on the original scope of contract. In such case award of AMC for further 3 years may be deferred. Representative from Sikkim may confirm.

Deliberations in the 9th Commercial Sub-Committee meeting

General Manager, ERLDC explained in details the need for entering into Long Term Service Agreement (LTSA) for EMS / SCADA system in Eastern Region. In this connection, he drew the attention of the members to the draft MOU for approval.

After detailed deliberations, the utility constituents of the Eastern Region requested that the overhead charge for ERLDC should be limited to 10% on AMC charge as has reportedly been done in case of Northern Region and Southern Region. General Manager, ERLDC assured that he would take up the matter with POWERGRID in this regard.

Representative from Sikkim informed in the meeting that payment amounting to Rs.76217/- towards AMC charges for the extended warranty period has already been released by Government of Sikkim.

ERLDC requested for approval from TCC/ ERPC for the above arrangement of AMC of SCADA /EMS by OEM and also ERLDC may like to intimate the latest status overhead charge for ERLDC.

Members may please discuss and decide.

DELIBERATIONS IN THE TCC MEETING

GM, ERLDC informed that the overhead charge for the maintenance of EMS / SCADA system in Eastern Region under Long Term Service Agreement would be limited to 10% of AMC charge for the equipment of the utility constituents.

Many utility constituents suggested that the overhead charges payable to ERLDC should be same as being charged by the other RLDCs in their respective region.

With this recommendations of TCC, this issue is placed to ERPC for final decision.

DELIBERATIONS IN THE ERPC MEETING

The proposal of ERLDC for award of Long Term Service Agreement (LTSA) for EMS / SCADA system in the Eastern Region was agreed to by ERPC subject to the condition that the overhead charges in respect of state portion shall be same as being charged by other RLDCs.

ITEM NO.9 CONSTITUTION OF ERPC

Ministry of Power, Government of India, vide its resolution F. No.23/1/2004-R&R dated 25.05.2005 and subsequent amendment made vide resolution dated 29.11.2005 established the Eastern Regional Power Committee. Subsequently, the para 3 of the resolution dated 29.11.2005 has been replaced by a new para 3 vide resolution F.No.23/1/2004-R&R dated 09.05.2008. A copy of the resolution is enclosed at **Annexure-E**.

As per above resolution dated 09.05.2008 the Eastern Regional Power Committee for the year 2009-10 will be comprised of the following members :

Organisation / State / Category		Organisation	Member of ERPC
Central Electricity Authority	1.	CEA	Member (Grid Operations)
Central Generating Company	2.	NTPC	Director(Commercial) Alternate Member : Regional Executive Director
	3.	NHPC	Director (Technical) Alternate Member : Executive Director (Commercial))
	4.	DVC	Chairman
CTU	5.	POWERGRID	Director (Operations)
NLDC	6.	NLDC	Nomination Awaited
ERLDC	7.	ERLDC	General Manager
Bihar	8.	BSEB	Chairman
	9.	BSHPC	Managing Director
Jharkhand	10.	JSEB	Chairman
	11.	TVNL	Managing Director
Orissa	12.	OPGC	Managing Director
	13.	OHPC	Director (Operations)
	14.	OPTCL	Chairman-cum- Managing Director
West Bengal	15.	WBSEDCL	Chairman & Managing Director
	16.	WBSETCL	Chairman & Managing Director
	17.	WBPDC	Managing Director
	18.	DPL	To be nominated by DPL

Organisation / State / Category		Organisation	Member of ERPC
Sikkim	19.	Energy & Power Department	Secretary-cum-Principal Chief Engineer
GENCO having installed capacity more than 1000 MW	20.	CESC Ltd.	Managing Director
GENCO having installed capacity 1000 MW and less	21.	Tata Power Company Ltd.	To be nominated by TPCL
One DISCOM out of private DISCOMs in ER by alphabetical rotation	22.	DPSC Ltd.	To be nominated by DPSCL
One member representing electricity traders	22.	Adani Enterprises Ltd.	To be nominated by AEL
ERPC Secretariat	23.	ERPC Secretariat	Member Secretary, ERPC – Convenor

As per the decision taken in the 7th ERPC meeting held on 26.07.2008 at Ranchi, GRIDCO and PTC shall continue to be Associate Member.

The following organisations will be new member of ERPC for the year 2009-10 :

1. **Durgapur Projects Ltd.** : As State Generating Company in West Bengal (as per (iii) of new resolution).
2. **Tata Power Company** : As a representative of the generating companies having power plants in the region (not covered in (ii) to (iv) of the new resolution).
3. **Adani Enterprises Ltd.** : As a member representing electricity traders in the region (as per the recommendation of CEA, copy enclosed at **Annexure-F**).
4. **One distribution company by alphabetical rotation out of the private distribution companies functioning in the region** : The private distribution companies functioning in the region are DPSCL in West Bengal, NESCO, SOUTHCO & WESCO in Orissa and JUSCO in Jharkhand. As per earlier resolution SOUTHCO and JUSCO were the member of ERPC in 2008-09 as distribution company from Orissa and Jharkhand. As per new resolution, DPSC Ltd. is inducted as a member for the year 2009-10 by alphabetical rotation out of the private distribution companies functioning in the region.

Members may please note and discuss.

DELIBERATION IN THE ERPC MEETING

Members noted and advised Member Secretary,ERPC to communicate the new members about their membership.

ITEM NO.10 FUNDING OF ERPC SECRETARIAT

ERPC-ESTABLISHMENT FUND

A) FOR THE YEAR 2007-08

Contribution of Rs.10 lakh each from BSHPC and NESCO has not been received. Number of letters has been issued to BSHPC and NESCO but no payment has been received so far.

Members may please discuss and advise further course of action.

DELIBERATION IN THE ERPC MEETING

Member Secretary,ERPC informed that BSHPC is a regular member of ERPC, whereas NESCO was a member for the year 2007-08 as a distribution company in Orissa.

After brief deliberation it was decided to refer the matter to CEA/MoP for further direction.

B) FOR THE YEAR 2008-09

Contribution approved for the year : Rs.14 lakh per member of ERPC.

Contributions @ Rs.14 lakh have been received from all the members except from BSHPC, JUSCO and SOUTHCO. Number of letters has been issued to these organisations but no payment has been received so far.

Members may please discuss and advise further course of action.

DELIBERATION IN THE ERPC MEETING

Member Secretary,ERPC informed that BSHPC is a defaulter since beginning and JUSCO and SOUTHCO were the member for the year 2008-09 as a distribution company from Jharkhand and Orissa respectively. Some of the members raised the issue of continuation of BSHPC as a regular member.

After brief deliberation it was decided to refer the matter to CEA/MoP for further direction.

C) FOR THE YEAR 2009-10

For the year 2008-09 contribution of Rs.14 lakh per member was approved by ERPC. The contribution for the year 2009-10 is proposed to be kept unchanged at Rs.14 lakh per member.

Members may please approve the proposal.

DELIBERATION IN THE ERPC MEETING

Members approved contribution of Rs.14 lakh per member towards ERPC Establishment Fund for the year 2009-10.

D) INTERIOR RENOVATION OF ERPC BUILDING

In the 7th ERPC meeting held on 26th July,2008 the Committee has approved one time contribution of Rs. 5 lakh per member for internal renovation of ERPC building, augmentation of rooms and renovation of the guest house accommodation at ERPC,Kolkata. The proposal has been sent to CEA for approval. ERPC Secretariat will issue the letter to the members requesting for their contribution on getting approval from CEA. This one time contribution will be in addition to normal yearly contribution towards ERPC-Establishment Fund.

Put up for information of members.

DELIBERATION IN THE ERPC MEETING

Members noted.

ITEM NO.11 CONTRIBUTION TO ERPC FUND

(A) Status of Contribution to ERPC FUND for the year 2006, 2007 and 2008-09

Contribution approved by ERPC for the year 2006 : Rs.38000 per member.
Contribution not received from : BSHPC, Tata Steel Ltd.

Contribution approved by ERPC for the year 2007 : Rs.38000 per member.
Contribution not received from : BSHPC, NESCO.

Contribution approved by ERPC for the year 2008-09 : Rs.50000 per member.

Contribution not received from : BSHPC, JUSCO & SOUTHCO.

Number of letters have been issued from the ERPC Secretariat to the above organisations but no payment has been received so far.

Members may please discuss and advise further course of action.

DELIBERATION IN THE ERPC MEETING

Members advised Member Secretary,ERPC to request the defaulting members to liquidate their outstanding dues.

(B) Contribution to ERPC FUND for the year 2009-10

In the 6th ERPC meeting dated 19.02.2008 the Committee approved the annual contribution of Rs.50,000 per member to the **ERPC FUND** for the year 2008-09. The contribution for the year 2009-10 is proposed to be kept unchanged at Rs.50000 per member.

Members may please approve the proposal.

DELIBERATION IN THE ERPC MEETING

Member Secretary informed that the fund is utilised for holding various meetings, seminars, workshops etc.

Members approved contribution of Rs.50000 per member towards ERPC Fund for the year 2009-10.

ITEM NO.12 FINALISATION OF VENUE AND TENTATIVE DATE OF THE NEXT COMMITTEE MEETING

As per the roster finalised in the first ERPC meeting held in Kolkata on 25.05.2006, the next ERPC meeting is to be hosted by a member from the State of West Bengal. The Committee members from West Bengal may decide among themselves who would host the next ERPC meeting.

The roster approved in the first ERPC meeting is given below :

Sl. No.	Host Organisation
1.	WEST BENGAL
2.	DVC
3.	NHPC
4.	PGCIL
5.	SIKKIM
6.	MEMBER, IPP
7.	MEMBER, TRADER
8.	ORISSA
9.	JHARKHAND
10.	BIHAR
11.	NTPC

Members may also decide a tentative date and venue for the next meeting.

DELIBERATION IN THE ERPC MEETING

CMD, WBSEDCL & WBSETCL agreed to host the next ERPC meeting. It was decided that the next meeting would held in July/August'09. The date and venue would be decided in due course of time.

Thereafter, the meeting ended with vote of thanks by NTPC.

LIST OF PARTICIPANTS IN THE 10TH ERPC MEETING

Date: 11.04.2009

Venue : ITC Fortune Resort, Port Blair

Name of the Constituent / Organisation	Sl. No.	Name S/Shri	Designation	
SIKKIM	1.	PEMA WANGCHEN	Chairperson, ERPC & PCE-cum-Secretary, Energy & Power Department, Govt. of Sikkim	
	2.	P.B.SUBBA	Chief Engineer, E & P Department	
	3.	K.K. PRADHAN	Supdt. Engineer, E & P Department	
	4.	H.B. PRADHAN	Executive Engineer, E & P Department	
BIHAR BSEB	5.	R.K. SHARMA	Member (Transmission)	
	6.	RAKESH	EEE(Inter State)	
	7.	G.K. CHOUBEY	EEE	
JHARKHAND A) JSEB	8.	H.B. LAL	Chairman	
	9.	G.N.S. MUNDA	Member (Technical)	
	10.	G. SHUKLA	GM-cum-CE	
	11.	K.N. THAKUR	Chief Engineer (C & R)	
B) TVNL	12.	B. RAM	Managing Director	
	13.	R. SAHU	TS to MD	
ORISSA OPTCL	14.	K.K. NATH	Director (Engineering)	
WEST BENGAL A) WBSSEDCL	15.	M.K.DE, IAS	CMD,WBSSEDCL & WBSETCL	
	16.	M.S. PAL	Addl. CE & I/C-PTR	
	17.	T.K. CHAKRABARTI	SE(E), PTR	
	B) WBSETCL	18.	A.C. SARKAR	Director (Transmission)
19.		S.K. SHYAM CHOUDHURY	Chief Engineer (CP & ED)	
20.		A. KARMAKAR	Supdt. Engineer (CP & ED)	
C) WBPDCCL	21.	S. MAHAPATRA	Managing Director	
	22.	P.K. CKAKRABORTY	Director (FM & HR)	
DVC	23.	A.K. CHATTERJEE	Director (Commercial)	
	24.	D. MUKHERJEE	CE(E),CLD	
	25.	P.K. CHAUDHURI	Chief Engineer (Commercial)	
	26.	C. KARMAKAR	Dy. Chief Engineer (Commercial)	
CEA	27.	S.M. DHIMAN	Member (GO & D)	
	28.	T. CHATTERJEE	Chief Engineer (GM)	
	29.	P. BATRA	Director (GM)	
NHPC	30.	KAMAL KAPOOR	Executive Director (O&M)	
POWERGRID	31.	RAVI P. SINGH	Executive Director (ER-II)	
	32.	K.K. AGRAWAL	General Manager (I/C), ER-I	
	33.	J.P. SINGH	General Manager (O&M), ER-II	
	34.	N.S.SODHA	General Manager(LD & C), CC	
	35.	S. PRASAD	AGM (Commercial)	
	36.	V.V.SHARMA	AGM (Commercial),CC	
	37.	D.K. SHARMA	AGM (O&M), ER-I	
	38.	A.K.NAGPAL	DGM(Commercial)	
	39.	H.H.SHARAN	DGM(LD & C),CC	
	40.	S.K. PRAMANIK	DGM (OS)	
	41.	S.K. SINGH	CM(OS), ER-II	
	NTPC	42.	VISHWAROOP	Regional ED (ER-II)
		43.	G.J. DESHPANDE	Regional ED (ER-I)
		44.	L.PRASAD	Executive Director, Talcher

Name of the Constituent / Organisation	Sl. No.	Name S/Shri	Designation
	45.	U.P.PANI	Executive Director, Kahalgaon
	46.	S.K.DUTTA	General Manager (I/C), Kolkata
	47.	R.S. SINGH	General Manager
	48.	S.K. KAR	DGM(Comml.),ER-II
	49.	RAKESH KUMAR	DGM (OS), ER-I
	50.	V. KUMAR	DGM(Comml), CC
	51.	K.K. SINHA	DGM(Comml), ER-I
	52.	T.K. KONAR	DGM(Comml)
	53.	P.K.GHOSAL	Sr. Manager (Comml)
	54.	B.RAUGAICH	Sr. Manager
	55.	A.K.SINGH	Sr. Manager
	56.	A.MAHENDRA	Sr. Manager (Comml.)
	57.	A.K.PASWAN	Sr. Manager (Comml.)
ERLDC	58.	DR. L. HARI	General Manager
	59.	P. MUKHOPADHYAY	DGM
	60.	D. DE	Chief Manager
	61.	S. BANERJEE	Chief Manager
	62.	R. BISHNU	Dy. Manager
Andaman & Nicobar	63.	MANOHAR SINGH	Supdt. Engineer, Electricity Department
	64.	R.P. SINGH	Executive Engineer, Electricity Department
	65.	P.K. KAPOOR	Executive Engineer, Electricity Department
ERPC	66.	R.K. GROVER	Member Secretary
	67.	J. BANDYOPADHYAY	Superintending Engineer
	68.	S.N. KAYAL	Superintending Engineer
	69.	B.C. MALLIK	Superintending Engineer
	70.	S.K. GHOSH	Executive Engineer
	71.	A. ROY	Executive Engineer
	72.	S.M. JHA	Executive Engineer
	73.	S.P. DATTA	DGM(NTPC)
	74.	P. SENGUPTA	PA

ANNEXURE – B

LIST OF PARTICIPANTS IN THE 9TH TCC MEETING

Date: 10.04.2009

Venue : ITC Fortune Resort, Port Blair

Name of the Constituent / Organisation	Sl. No.	Name S/Shri	Designation
SIKKIM	1.	P.B. SUBBA	Chief Engineer, Energy & Power Department, Govt. of Sikkim
	2.	K.K. PRADHAN	Supdt. Engineer, E & P Department
	3.	H.B. PRADHAN	Executive Engineer, E & P Department
BIHAR BSEB	4.	R.K. SHARMA	Member (Transmission)
	5.	RAKESH	EEE(Inter State)
	6.	G.K. CHOUBEY	EEE
JHARKHAND A) JSEB	7.	G.N.S. MUNDA	Member (Technical)
	8.	G. SHUKLA	GM-cum-CE
	9.	K.N. THAKUR	Chief Engineer (C & R)
B) TVNL	10.	B. RAM	Managing Director
	11.	R. SAHU	TS to MD
ORISSA OPTCL	12.	K.K. NATH	Director (Engineering)
	13.	M.S. PAL	Addl. CE & I/C-PTR
WEST BENGAL A) WBSEDCL	14.	T.K. CHAKRABARTI	SE(E), PTR
	15.	A.C. SARKAR	Director (Transmission)
B) WBSETCL	16.	S.K. SHYAM CHOUDHURY	Chief Engineer (CP & ED)
	17.	A. KARMAKAR	Supdt. Engineer (CP & ED)
C) WBPDCCL DVC	18.	P.K. CKAKRABORTY	Director (FM & HR)
	19.	A.K. CHATTERJEE	Director (Commercial)
CEA	20.	D. MUKHERJEE	CE(E),CLD
	21.	P.K. CHAUDHURI	Chief Engineer (Commercial)
	22.	C. KARMAKAR	Dy. Chief Engineer (Commercial)
	23.	T. CHATTERJEE	Chief Engineer (GM)
	24.	P. BATRA	Director (GM)
NHPC POWERGRID	25.	KAMAL KAPOOR	Executive Director (O&M)
	26.	RAVI P. SINGH	Executive Director (ER-II)
	27.	K.K. AGRAWAL	General Manager (I/C), ER-I
	28.	J.P. SINGH	General Manager (O&M), ER-II
	29.	N.S.SODHA	General Manager(LD & C), CC
	30.	S. PRASAD	AGM (Commercial)
	31.	V.V.SHARMA	AGM (Commercial),CC
	32.	D.K. SHARMA	AGM (O&M), ER-I
	33.	A.K.NAGPAL	DGM(Commercial)
	34.	H.H.SHARAN	DGM(LD & C),CC
	35.	S.K. PRAMANIK	DGM (OS)
	36.	S.K. SINGH	CM(OS), ER-II
NTPC	37.	G.J. DESHPANDE	Regional ED (ER-I)
	38.	VISHWAROOP	Regional ED (ER-II)
	39.	L.PRASAD	Executive Director, Talcher
	40.	U.P.PANI	Executive Director, Kahalgaon
	41.	S.K.DUTTA	General Manager (I/C), Kolkata
	42.	R.S. SINGH	General Manager
	43.	S.K. KAR	DGM(Comml.),ER-II

Name of the Constituent / Organisation	Sl. No.	Name S/Shri	Designation
	44.	RAKESH KUMAR	DGM (OS), ER-I
	45.	V. KUMAR	DGM(Comml), CC
	46.	K.K. SINHA	DGM(Comml), ER-I
	47.	T.K. KONAR	DGM(Comml)
	48.	P.K.GHOSAL	Sr. Manager (Comml)
	49.	A.K.SINGH	Sr. Manager
	50.	A.MAHENDRA	Sr. Manager (Comml.)
	51.	A.K.PASWAN	Sr. Manager (Comml.)
ERLDC	52.	DR. L. HARI	General Manager
	53.	P. MUKHOPADHYAY	DGM
	54.	D. DE	Chief Manager
	55.	S. BANERJEE	Chief Manager
	56.	R. BISHNU	Dy. Manager
Andaman & Nicobar	57.	R.P. SINGH	Executive Engineer, Electricity Deptt.
	58.	P.K. KAPOOR	Executive Engineer, Electricity Deptt.
ERPC	59.	R.K. GROVER	Member Secretary
	60.	J. BANDYOPADHYAY	Superintending Engineer
	61.	S.N. KAYAL	Superintending Engineer
	62.	B.C. MALLIK	Superintending Engineer
	63.	S.K. GHOSH	Executive Engineer
	64.	A. ROY	Executive Engineer
	65.	S.M. JHA	Executive Engineer
	66.	S.P. DATTA	DGM(NTPC)
	67.	P. SENGUPTA	PA

New Transmission elements/systems for System Strengthening of Eastern Region

- a) Sasaram –Daltonganj 400kV D/C line.
- b) Daltonganj 400kV S/S, 2x315 MVA.
- c) 400/132kV, 2x200MVA S/S near Lakhisarai with LILO of both circuits of one of the Kahalgaon-Biharshariff 400kV D/C line and space provision for 3rd transformer and 4 nos. of 132kV line bays.
- d) 400/132kV, 2x200MVA S/S at Banka in Bihar with LILO of both circuits of 400kV Kahalgaon-Biharshariff D/C line (line not to be LILOed at Lakhisarai S/S) and provision of 4 nos. 132kV line bays.
- e) Establishment of 400/220kV S/S at Bolangir by LILO of Meramundali-Jeypore 400kV S/C line.
- f) Establishment of 400/220kV S/S at Keonjhar by LILO of Rengali-Baripada 400kV S/C line.
- g) Establishment of 400/220kV S/S at Sundargarh by LILO of both circuits of the existing Talcher-Rourkela 400kV D/C line.
- h) 400kV Parulia-Jamshedpur-Baripada-Mendhasal D/C line
- i) LILO of one circuit of the 400kV Baripada-Mendhasal D/C line at Dubri for providing 2nd feeder to Dubri 400kV S/S of OPTCL.
- j) Establishment of 400/220kV Chaibasa S/S and LILO of one circuit of 400/220 kV Chaibasa.

**THE GAZETTE OF INDIA
EXTRAORDINARY
PART-1 SECTION 1
PUBLISHED BY AUTHORITY**

**MINISTRY OF POWER
RESOLUTION
New Delhi, the 9th May, 2008**

F.No.23/1/2004-R&R(Vol-II) – In this Ministry's Resolution F.No. 23/1/2004-R&R dated 25th May,2005 published in the Gazette of India (Extraordinary),Part 1, Section 1, (1596 GI/2005) establishing the Eastern Regional Power Committee (ERPC) under the provisions of sub-section (55) of section 2 of the Electricity Act, 2003 and the subsequent amendment made vide Resolution dated 29th November,2005, the following amendments are hereby made:-

Para 3 of the resolution dated 29.11.2005 is replaced by the following para 3:-

3. In pursuance of the aforesaid provisions, the Central Government hereby establishes the Eastern Regional Power Committee (ERPC) comprising the States of Bihar, Jharkhand, Orissa, West Bengal and Sikkim with the following members:-

- (i) Member (Grid Operations) Central Electricity Authority (CEA).
- (ii) One representative each of Central Generating Companies, Central Transmission Utility (CTU), National Load Despatch Centre (NLDC) and the Eastern Regional Load Despatch Centre (ERLDC).
- (iii) From each of the States in the region, the State Generating Company , State Transmission Utility (STU), State Load Despatch Centre (SLDC) one of the State owned distribution companies as nominated by the State Government and one distribution company by alphabetical rotation out of the private distribution companies functioning in the region.
- (iv) A representative each of every generating company (other than central generating companies or State Government owned generating companies) having more than 1000 MW installed capacity in the region.

- (v) A representative of the generating companies having power plants in the region (not covered in (ii) to (iv) above) by alphabetical rotation.
- (vi) One member representing the electricity traders in the region by alphabetical rotation, which have trading volume of more than 500 million units during the previous financial year.
- (vii) Member Secretary , ERPC – Convenor.

Whenever a member is represented by rotation , the nomination would be for a period of one year. The representative from respective organizations should be either the head of the organization or at least a person not below the rank of a Director on the Board of the company/corporate entity except for Central Public Sector Undertakings (CPSUs) where representative could also be at the level of Executive Director.

(I.C.P. Keshari)
Joint Secretary to the Government of India