

**Minutes
of the
7th TCC
Meeting**

EASTERN REGIONAL POWER COMMITTEE

MINUTES OF THE 7TH TCC MEETING OF ERPC

Time & Date : 11:00 Hrs. on 25.07.2008 (Friday)

Venue : Hotel Capitol Hill, Ranchi.

The list of participants is given in Annexure – B.

Shri J. Padhi, Director (Operation), OHPC Chaired the meeting.

Shri S.K. Thakur, Electrical Executive Engineer, JSEB welcomed all the participants. He briefly stated about the State of Jharkhand and Ranchi, the state capital.

Shri K.N. Thakur, Chief Engineer (Commercial & Revenue), JSEB also welcomed the TCC members and the participants. He wished them comfortable stay at Ranchi.

Shri R.K. Grover, Member Secretary, ERPC thanked Shri G.N.S. Munda Member(Technical), JSEB and his team for making excellent arrangements for holding the meeting. He briefly stated the power scenario of Eastern Region. He mentioned that Eastern Region was under going a period of power shortage. While the demand of the region during the last six months grew at 8%, the increase in generation was only 5%. Shortage in coal supply to many power stations and inadequate rainfall in Orissa aggravated the situation. He informed that as per the latest regulation of CERC on transmission tariff the cost of all the inter-regional links between ER-WR, ER-SR and ER-NR would be borne by WR, SR & NR respectively giving a relief of about Rs.8 crore per month to ER constituents. He briefly highlighted the important issues slated for discussion in the meeting and looked forward to the valued opinion of members.

Shri T. Chatterjee, Chief Engineer (GM), CEA mentioned about the power shortage in the region, particularly due to coal shortage and outage of many generating units. He stated that as per the information available, the entire country is reeling under coal shortage in power stations. He pointed out that planned maintenance of generating units should be carried as per LGBR. ERPC can also make a special effort with MoP for augmentation in coal supply to power stations which are having critical coal stock.

Shri Suman Ghosh, Vice President, PTC gave a brief presentation on Power Exchange. Thereafter, agenda items were taken up for discussion.

ITEM NO.1 CONFIRMATION OF THE MINUTES OF SPECIAL (6th) TCC MEETING OF ERPC HELD ON 11.06.2007 AT HOTEL TAJ BENGAL, KOLKATA.

The minutes of Special (6th) TCC meeting of ERPC were circulated vide this office letter no. ERPC/Committee/2008/1632-1652 dated 25.06.2008.

No comments on the above minutes have been received from the constituents.

TCC may please confirm the minutes.

Deliberations in the TCC Meeting

Minutes of the Special (6th) TCC meeting held on 11.06.2008 was confirmed without any modification.

ITEM NO.2 HIGHLIGHTS OF GRID PERFORMANCE FOR THE PERIOD JANUARY'08 TO JUNE'08

(A) FREQUENCY :

Frequency profile for the period January'08 to June'08 and the corresponding period of the previous year (i.e. January'07 to June'07) are shown below:

Month	% of time of the month frequency remained							
	< 49.0 Hz		49.0--50.5 Hz		50.5—51.0 Hz		>51.0 Hz	
	2007	2008	2007	2008	2007	2008	2007	2008
Year								
January	37.82	19.72	62.18	80.28	0.00	0.00	0.00	0.00
February	7.32	17.17	92.54	82.83	0.12	0.00	0.02	0.00
March	3.15	19.39	96.76	80.54	0.09	0.07	0.00	0.00
April	14.05	29.77	85.93	70.22	0.02	0.01	0.00	0.00
May	1.55	3.16	98.42	96.28	0.03	0.56	0.00	0.00
June	3.63	4.90	96.24	95.03	0.13	0.07	0.00	0.00

From the above table it may be observed that :

- Frequency profile within the IEGC band, i.e. 49.0 to 50.5 Hz, has shown deterioration (except in January'08) in comparison with the same period of last year. It had slide down drastically to 70% of the time during the month of April'08. Low availability of hydro power particularly from Chukha and Tala HEP, occasional forced outages of major thermal units, increase in demand with the onset of summer are some of the reasons for dip in frequency.

- The percentage of time frequency remaining below 49.0 Hz. has also shown deterioration from the month of February'08 onwards as compared to the previous year.
- The frequency profile above 50.5 Hz during the above months was found to be insignificant.

(B) PERFORMANCE REVIEW

Description	Average (MU)/Month			June'07	June'08	% Increase
	Jan'07 to June'07	Jan'08 to June'08	% Increase			
Net Generation (MU)/Month	6828	7161	4.9	6898	7189	4.2
Net Central Sector Thermal Generation (MU)/Month	2201	2164	-1.7	2198	1979	(-) 9.9
Import from CPPs in (MU)/Month	176	171	(-) 3.1	106	136	29
ER Consumption (MU)/Month	5785	6248	8.0	5949	6355	6.8
Net Export to Outside Region (MU)/Month including transmission loss	1219	1085	(-) 11	1055	970	(-) 8.0

Description	Jan'07 to June'07	Jan'08 to June'08	% Increase	June'07	June'08	% Increase
Regional Peak Demand Met (MW)	10162	10756	5.8	10162	10756	5.8
Peak Export (MW)	3100	3148	1.5	2764	2580	(-) 6.7

Generation : During the period under review, the overall generation in Eastern Region increased by about 5% mainly due to commissioning of Mejia Unit # 5 (250 MW) of DVC, DPL Unit # 7 (300 MW), commercial operation of Purulia Pumped Storage Units (4x225 MW) of WBSEDCL and infirm generation from few new Units in State and Central Sector.

Demand : During the period January'08 to June'08 the Regional demand in energy terms increased @ 8% and the regional peak demand met increased @5.8% corresponding to the same period of last year. The energy consumption and peak demand in the region increased mainly due to load growth in DVC, Orissa and West Bengal systems.

(C) EXPORT

MONTHLY AND CUMULATIVE EXPORT OF POWER FROM ER DURING JUNE, 2008 (BASED ON SEM FIGURES)

Region	Export in MU		Export in MU		% Growth *	
	During June'08	Cumulative (Jan'08 to June'08)	During June'07	Cumulative (Jan'07 to June'07)	During June'08	Cumulative (Jan'08 to June'08)
To						
NR	680.27	4503.53	973.34	3377.82	(-)30.11	33.33
WR	4.89	1193.84	363.73	2597.19	(-)98.66	(-)54.03
SR	388.76	825.54	0	1199.28	-	(-)31.16
NER	0	135.39	0	249.27	-	(-)45.69
TOTAL	1073.92	6649.07	1337.07	7423.56	(-)19.68	(-)10.43

* As compared to similar period of last year.

MONTHLY AND CUMULATIVE IMPORT OF POWER BY ER DURING JUNE'2008 (BASED ON SEM FIGURES)

Region	Import in MU		Import in MU		% Growth *	
	During June'08	Cumulative (Jan'08 to June'08)	During June'07	Cumulative (Jan'07 to June'07)	During June'08	Cumulative (Jan'08 to June'08)
From						
NR	0	0	0	21.03	-	(-)100
WR	0	0	0	0	-	-
SR	0	239.04	145.95	145.95	(-)100	63.78
NER	140.97	140.97	187.74	226.58	(-)24.91	(-)37.78
TOTAL	140.97	380.01	333.69	393.56	(-) 57.75	(-) 3.44
Net Export from ER	932.95	6269.06	1003.38	7030.00	(-) 7.02	(-) 10.82

* As compared to similar period of last year.

The net export to outside Eastern Region reduced considerably due to growth in ER consumption and marginal drop in generation of ISGS thermal plants. Therefore, there was a reduction in cumulative net export to outside regions.

Deliberations in the TCC Meeting

GM, ERLDC explained the details of frequency variation during the period under review in two phases : one during Jan'08-Mar'08 and other during April'08-June'08 in comparison with the corresponding period of the previous year.

He also pointed out that there was an increase of 8% in energy consumption in ER with respect to 5% increase in generation, thereby increasing the deficit in power supply position in ER and less export to outside region. Further, there were multiple outages of thermal units as well as shortages of coal supply to power stations, wet coal problems aggravated the power scenario. Although there were number of new generating units commissioned in the various utilities, but steady generation from those units are yet to be achieved. Moreover, the reservoir level of hydro power stations in Orissa, which normally fills up during June every year, is yet to achieve its FRL due to poor rain fall this year. Generation from Teesta Stage V suffered outages because of silting problem since 12.06.08 and are expected with full generation by end of this month.

(D) IMPORTANT EVENTS

- Balimela HPS unit # 7 & 8 (2x75MW) of OHPC were test synchronised on 05.01.08 & 27.03.08 respectively.
- 400kV Binaguri-Teesta Line-I & II were test charged / commissioned on 06.01.2008 & 10.04.2008.
- BSEB availed power from 400kV Patna (POWERGRID) Sub-station through 315 MVA ICT-I on putting 220kV Patna –Khagaul line on radial mode from 15.01.08 and subsequently 315MVA ICT–II made parallel on 16.01.08.
- 132kV Dalkhola-Purnea line was made LILO at Kishenganj 132kV Sub-station and BSEB started availing power from Kishenganj Sub-station w.e.f 27.01.08.
- Kahalgaon unit # 6 (500MW) of NTPC test synchronised on 16.03.08.
- 400kV Purulia PSP–Durgapur (POWERGRID) was taken into service on 19.02.08.
- 220kV single bus operation at Upper Indravati HEP of OHPC was commenced w.e.f 26.02.08.
- Teesta unit# 1,2 & 3 (3x170MW) were test synchronised on 28.03.08,06.02.2008 & 20.03.08 respectively and the station was declared commercial on 10.04.2008
- Since 12.06.08, Teesta HPS units are under shut down due to high silt problem in water
- Mejia Unit# 5 (250MW) of DVC declared commercial on 29.02.08.
- DPL Unit# 7 (300 MW) declared commercial on 30.04.08.
- 2nd 400/220 kV 315MVA ICT (No-II) of Baripada Sub-station of POWERGRID loaded on 30.04.08
- Maximum power flow of 2547 MW through HVDC Talcher-Kolar link achieved on 09.06.08

TCC may please note.

Deliberations in the TCC Meeting

Members noted the above important events.

ERLDC also pointed out that the load of Fatwah S/S of BSEB is being fed from Patna 400 kV S/S of Powergrid since June'08 onwards.

ITEM NO. 3 PATRATU-BODHGAYA 220 KV CKT-I, II & III BETWEEN BSEB & JSEB.

In the previous (5th) TCC meeting, POWERGRID informed that the cost estimate for restoration of the above lines would be submitted positively to JSEB by February, 2008 with a copy to ERPC.

However, POWERGRID, in the 25th meeting of OCC held in the month of April, 2008 informed that the cost estimation would be available from BD Department of the Corporate Engineering, POWERGRID, Gurgaon and JSEB was requested to write to them.

The latest position is still awaited from JSEB and POWERGRID.

JSEB and POWERGRID may please appraise the latest status.

Deliberations in the TCC Meeting

Member Secretary, ERPC urged Powergrid to furnish the cost estimate of revival of the above line which has been lying since February'08. Powergrid agreed to submit the details after issuance of the minutes of the TCC meeting mentioning the cost sharing between BSEB and JSEB.

It was decided that the cost estimate would be submitted by Powergrid within a week's time to JSEB/ BSEB with a copy to ERPC for further examinations of their respective highest authorities.

ITEM NO.4 REVISION OF UFR STAGE-I SETTINGS AND INTRODUCTION OF Df/Dt RELAY IN ER AND ITS RECOMMENDED SETTINGS

UFR STAGE-I

In the 5th TCC meeting, Member Secretary, ERPC apprised the TCC members regarding the decision taken in the joint meeting of Member Secretaries held at ERPC on 27.11.2007. In the said meeting, it had been decided to raise the existing First (1st) Stage UFR setting of ER from existing 48.5 Hz (Instantaneous) to 48.6 Hz (Instantaneous).

However, TCC members in the said meeting principally agreed to raise the First Stage UFR settings to 48.6 Hz (instantaneous) in ER, provided

before implementing the same it is established that the load relief obtained in NR and WR are in accordance with the agreed scheme. ERLDC opined that quantum of load relief by this defence mechanism should be ensured from System Operator's point of view.

In the monthly OCC meetings of ERPC, the UFR operations of the constituent systems were monitored and it was found that except a few cases of UFRs mal-operations e.g. Belmuri & Putki S/S of DVC, the UFRs installed in constituent systems remained in healthiness. Moreover, all the constituents had also reported completion of testing of the UFR Stage-I relays at their respective ends for its effective operation.

It was also found that during April'08, the UFRs operated in all the regions (NR,WR & ER) when the system frequency remained below 49.0Hz for 34% of the time of the month, but the desired load relief due to UFR operations remained inadequate. WR agreed that in case the recommended load relief is not achieved then more feeders would be covered under UFRs so that desired quantum is obtained. NR also requested their constituents to initiate procurement action for additional 30% UFRs on their feeders.

In the light of the above developments TCC may please discuss and decide the issue of raising of UFR Stage-I settings of ER from 48.5Hz to 48.6Hz, instantaneous.

INTRODUCTION OF Df / Dt RELAYS FOR ER AND ITS RECOMMENED SETTING

In the joint meeting on 27.11.2007 it was decided that the Stage-I Df / Dt relay would be introduced in ER and is to be set at 0.125 Hz per second at 49.9 Hz – load relief of 800 MW. (600 MW for ER + 200 MW for SR).

In the 5th TCC meeting, TCC members, in general, opined that the feedback from NR and WR on the effectiveness of existing setting of Df / Dt relay was required before any final decision could be taken by ER.

It was learnt that WRPC in its meeting decided to implement the revised settings in WR w.e.f 01.07.2008 as detailed below:

Setting of df/dt relay	Settings (Hz)/ (Hz/sec)	Total Load Relief in Region	Load shedding (MW) to be effected by				
			GETCO	MPPTCL	MSETCL	CSEB	TPC
Stage-I	49.9/0.1	2000	1006	361	546	27	60
Stage-II	49.9/0.2	2000	905	355	621	37	82
Stage-III *	49.9/0.4	2472	1001	392	686	120	273
	Total	6472	2918	1108	1853	184	415

*To protect individual regional /state grid from loss of generation in the event of isolation at 49.9Hz / 0.4Hz /sec.

Regarding df/dt relay operation in respect of NR, it was learnt that DTL & BBMB had experienced 6 & 5 nos. of operation of 1st Stage df/dt relays without any contingency in the system during April'08. The droop characteristics of frequency is under investigation in NR. Further, NRPC requested their constituents to initiate actions for procurement of additional df/dt relays in their respective systems for implementation of the revised settings in all constituents.

TCC may please discuss and decide.

Deliberations in the TCC Meeting

ERLDC stressed the need for raising the setting of UFR Stage-I from 48.5 Hz to 48.6 Hz considering system security point of view. Constituents maintained that the earlier decision should continue. i.e. before implementation of 48.6 Hz (instantaneous) in ER, it is to be established that the load relief obtained in NR and WR is demonstrated in accordance with the agreed scheme.

Regarding introduction of Df / Dt relay in ER, the members desired to defer the implementation till the issue of revised setting of UFR Stage-I is resolved.

However, the issue would be put up to ERPC for further advice.

System Protection Scheme (SPS)

On the issue of System Protection Scheme (SPS), during deliberation in the 5th TCC meeting, ERLDC explained that a number of scenarios were to be constructed for different contingencies and corresponding schemes for generation backing down from identified power stations were to be drawn. Moreover, the Free Governor Mode of Operations in hydro power stations in ER are to be fully explored as a part of Special Protection Scheme for controlling Inter Regional Tie flow in case of high frequency under system separation.

ERLDC is requested to deliberate on the issue.

TCC may please discuss.

Deliberations in the TCC Meeting

It was decided that ERPC will constitute a task force from among Protection Committee members including System Study Group of NTPC, ERPC and ERLDC to examine different contingencies and corresponding schemes for generation backing down from

major power stations, FGMO of hydro power stations in ER for controlling of Inter-Regional Tie Flow in case of high frequency under system separation. All constituents agreed to nominate the experts of protection / system study group to study the above aspects.

ITEM NO.5 PSS TUNING FOR GENERATING UNITS IN ER

- First phase of PSS field tuning of the generating units in ER based on the analytical studies carried out by IIT, Bombay successfully completed with the help of BHEL experts
 - Kolaghat U # 5&6 (210MW) of WBPDC completed during 23rd to 26th September, 2006.
 - Upper Kolab HPS U # 1,2,3 & 4 (80MW each) of OHPC completed during 25th June to 28th June, 2007
 - FSTPS U # 4&5 (500MW each) of NTPC completed during 28th to 31st January, 2008.
- Expenditure involved for this exercise:
 - Kolaghat TPS – Rs.1.92 lakhs
 - Upper Kolab HPS – Rs.1.95 lakhs
 - Farakka STPS- Rs.1.55 lakhs
 - Consultancy charges of IIT,Bombay – Rs.3.58 lakhs
 - Total expenditure – Rs. 9 lakhs (approx.)
 - Fund Available – Rs. 7 lakhs (approx.)
- Request for tuning pending in respect of Mejia unit no. 4 (210MW) of DVC and IB TPS (2x210 MW) units of OPGC
- The consultant of IIT, Bombay suggested to tune Budge Budge TPS units of CESC

This is for kind information of the TCC.

TCC may please discuss and opine.

Deliberations in the TCC Meeting

TCC expressed satisfaction for completion of first phase PSS tuning of generating units in ER as per the study report of IIT, Bombay. It was also emphasised to continue the process with the help of IIT, Bombay and expert of M/s BHEL.

In the next attempt of PSS tuning, CESC was requested to carry out the PSS tuning of Budge Budge Unit 1 & 2 (250 MW each) with the help of manufacturer, i.e. M/s PARSON. CESC agreed to complete the same after October 2008 at their own cost and Dr. Kulkarni, Consultant would be associated during the exercise. The Mejia U # 4 (210 MW) of DVC

would be taken up from the fund available for this purpose, after submission of relevant parameters of excitation and AVR system with their block diagrams by DVC.

ITEM NO.6 SPECIAL PROTECTION SCHEME (SPS) FOR TALCHER STAGE-II STPS OF NTPC UNDER POLE OUTAGE OF TALCHER-KOLAR HVDC LINE

SPS – 450 was implemented at Talcher STPS stage- II of NTPC based on the decision of the 1st meeting convened by CEA on 22.02.2006 under pole outage (s) of Talcher-Kolar HVDC link. In the 2nd meeting held on 16th May, 2007 in CEA, the following agreement were arrived at, which are detailed below:

- SPS –1000 - To limit the injection of power from Talcher Stage-II to < 1000MW
- SPS –450 - To limit the injection of power from Talcher Stage-II to < 450MW
- There is also a toggle arrangement to switch to either of the above schemes depending upon operational requirements, while minimising tripping of the units and maintaining grid security

Further, in order to review the implementation of Special Protection Scheme (SPS), CEA convened a meeting (3rd) on 29.05.08 in New Delhi for Talcher Stage-II tripping /runback scheme among NTPC, RLDCs and RPCs. It was decided that SPS-1000 scheme should be kept in operation as **basic scheme** while SPS – 450 scheme could be put into operation only under special grid conditions considering security of the combined synchronous grid. As system operator/Load Despatch Centres are best judge of the situation, they would explicitly specify the antecedent conditions under which the SPS-450 scheme would be put into operation, instead of SPS-1000 scheme. It was also decided that system operation group of POWERGRID /NLDC would decide to put SPS-1000 or SPS-450 in operation.

It was also emphasised a need to re-look into engineering of the Talcher-Kolar HVDC bi- pole system for the reasons of its frequently going under ground return mode and also an effectiveness of TCSC on 400kV Rourkella –Raipur D/C line in containing power swings.

POWERGRID was also requested to make efforts for timely completion of some of the critical transmission lines for further strengthen ER/WR/NR grid system.

- i. 400kV Ranchi-Sipat T/C line
- ii. 400kV Ranchi-Rourkella D/C line
- iii. 2nd 400kV Rourkella-Raipur D/C line
- iv. 2nd 400kV Talcher-Rourkella D/C line
- v. 2nd Agra-Gawalior 765kV line

The position on the operation of the SPS would be reviewed in 2 months time.

In the OCC meetings, it was learnt that SPS-1000 unit-tripping scheme at Talcher STPS was put into operation w.e.f 10.06.2007 at 18:15 Hrs. and remained in continuous operation since 19.06.08 .

This is for kind information of TCC.

Deliberations in the TCC Meeting

GM, ERLDC appraised that during the month of June and July (upto 24th) the SPS-1000 in respect of Talcher Stage-II of NTPC is in operation for 37% and 95.4% of the time respectively which is possible due to poor hydro condition in Orissa.

Regarding strengthening of ER / WR / NR grid system, Powergrid submitted the following :

- i) 400kV Ranchi-Sipat T/C line - By December'08*
- ii) 400kV Ranchi-Rourkella D/C line - By 2009*
- iii) 2nd 400kV Rourkella-Raipur D/C line - Under construction*
- iv) 2nd 400kV Talcher-Rourkella D/C line - Yet to be awarded*
- v) 2nd Agra-Gawalior 765kV line - Work Awarded*

COMMERCIAL MATTERS

ITEM NO. A) PAYMENT OF UI -- PRESENT STATUS

Summary of UI Receipt/Payment status for bills up to 29.06.2008 (week 13 of 2008-09) & for the year 2007-08 as received from ERLDC is indicated at **Annexure I & II** .

Kind attention of TCC members is drawn to the CERC order dated 04.06.2008 against petition no.54/2008 (Suo-moto) in the matter of "Default in payment of Unscheduled Interchanges charges for the energy drawn in excess of the drawal schedule". BSEB was made respondent in the above petition by CERC. Sl. No. (5) of the said order is reproduced below:-

".....We direct that the respondent shall take steps to liquidate the outstanding UI dues as on 24.03.2008 by paying not less than Rs. 20 crores per month starting from the current month, that is June'2008. till all dues including interest are liquidated. This will be in addition to the timely payment of the current UI dues, if any, as per the UI charges statement issued by ERPC Secretariat. ERLDC is directed to apprise the Commission in the first week of every month starting from July, 2008 regarding UI payment status of the respondent".

In the last Commercial Sub-Committee meeting held on 24.06.2008, it was informed by BSEB representative that they had already initiated necessary action for compliance of CERC order dated 04.06.2008.

Recently, ERPC is in receipt of the copy of compliance report submitted by GM, ERLDC to CERC. It is seen from the report that BSEB has made a payment of Rs.20 crores on 30.06.2008 as 1st instalment towards liquidation of outstanding dues.

This is for the kind information of the members.

Deliberations in the TCC Meeting

Members noted the summary of UI receipt/payment status for bills up to 29.06.08 and for the year 2007-08 as given in Annexure I & II.

Members also noted the payment to the tune of Rs. 20 crores made by BSEB to UI Pool as first instalment towards liquidation of outstanding dues in compliance of CERC order dated 04.06.2008.

B) REACTIVE ENERGY CHARGES -- PRESENT STATUS

The updated position of Receipt/Payment in the pool as on 11.07.2008 as received from ERLDC is indicated at **Annexure –III**. In this connection, it is to be mentioned that, as per IEGC effective from 1st April, 2006, the money remaining in the regional reactive account upto 31st March of every year shall be utilized for training of the SLDC operators, and other similar purposes which would help in improving /streamlining the operation of the respective regional grids, as decided by the respective RPC from time to time. Accordingly, ERLDC had conducted training program on Black Start Procedure at different SLDCs with the fund that was available up to 2006-07 in the ER Reactive Pool Account.

In the Commercial Sub-Committee meeting held on 24.06.08, ERPC Secretariat observed that the procedure for collective transaction had been approved by CERC vide its order dated 13.06.08. It was also mentioned that two Power Exchanges, namely, Indian Energy Exchanges Limited (IEX) and Power Exchange India Limited, have been approved by the Commission. Of these, IEX was slated to be operational shortly. As concept of power exchange is new in the country, ERPC proposed to hold a Seminar on power exchange to acquaint the ER constituents with the procedure of collective transaction. Members present in the meeting appreciated and endorsed the proposal of ERPC. It was further decided in the meeting that ERPC and ERLDC would jointly conduct the Seminar. Powergrid would organise the same on behalf of ERPC and ERLDC. The expenditure incurred by Powergrid would be reimbursed from the ER Reactive Pool Account.

Members of the Commercial Sub-Committee meeting approved an amount of Rs.3 lakhs to be utilised from the ER Reactive Pool Account for holding the Seminar and advised ERPC and ERLDC for obtaining post-facto expenditure sanction from next TCC and ERPC.

In this connection it is informed that a Seminar entitled “Electricity Trading Through Power Exchange – Concepts and Issues” was organised by Powergrid on 09.07.2008 at Hotel Taj Bengal, Kolkata in association with ERPC and ERLDC. More than 25 Organisations took part in the Seminar and the total participation exceeded 90. The participants included the concerned commercial engineers of the utility constituents, SLDC personnel, traders, generators, NLDC and Exchanges besides Powergrid, ERLDC and ERPC. The speakers were drawn from ERLDC, NLDC, IEX, NCDEX and NVVN.

The inter-active seminar proved to be a huge success and participants requested for organising such Seminars in future also for enriching knowledge of all the stake-holders.

This is for the kind information of the TCC members.

In this connection, it is informed that the total reimbursement claimed by Powergrid was Rs.2.9 lakhs. This was paid to Powergrid by ERLDC after obtaining necessary endorsement from ERPC Secretariat.

TCC members may kindly accord post-facto approval of Rs.2.9 lakhs from ER Reactive Pool Account for holding the Seminar.

Further, it is proposed that TCC may consider authorising Member Secretary, ERPC for holding similar types of Seminar in future in consultation with General Manager, ERLDC when prior approval from TCC/ERPC could not be obtained in advance due to time constraint.

Members may please agree.

Deliberations in the TCC Meeting

Members noted the updated position of receipt/payment made in the pool as indicated in the Annexure – III of the Agenda. Members also noted the training program on Black Start Procedure conducted by ERLDC with the funds available upto 2006-07.

TCC appreciated the efforts made in organising successfully the seminar entitled “ Electricity Trading Through Power Exchange – Concepts and Issues “ conducted jointly ERPC and ERLDC in coordination with Powergrid on 09.07.2008 and recommended post-facto approval of Rs. 2.90 Lakhs incurred for the seminar.

Further, TCC also authorised Member Secretary, ERPC for holding similar types of Seminars in future in consultation with GM, ERLDC utilising the funds available in ER Reactive Pool Account and obtain post-facto approval from TCC .

Put up to ERPC for approval of the above.

C) I.R.E. POOL ACCOUNT OF ER WITH OTHER REGIONS.

The status of settlement of IRE account between ER- SR & ER- NR as on 11.07.2008. as received from ERLDC is indicated below.

For the year 2007-08, IRE account between ER-SR has been reconciled and settled with SRLDC. ER has paid Rs.1966.97 lakhs to SR and received Rs.2603.83 lakhs from SR on account of IRE.

The net IRE amount receivable from NR upto 27.08.06 was Rs. 112.6463780 crores out of which an amount of Rs. 96.4274403 crores is still pending. Correspondence has been made several times with NRPC for reconciliation and settlement of the account by ERPC.

This is for the information of the members.

Deliberation in the TCC Meeting

Members noted. WBSEDCL emphasised that the efforts should be made to settle the outstanding IRE amount with NR on urgent basis.

D) DISBURSEMENT OF INTEREST AMOUNT ACCRUED IN THE ER UI POOL ACCOUNT

In the last Commercial Sub-Committee meeting held on 24.06.08, it was informed by ERLDC that interest to the tune of Rs. 30 lakhs and Rs.76 lakhs for 2005-06 and 2006-07 respectively have been accrued in the ER UI Pool Account lying with the Bank. ERLDC proposal for disbursement of the same among the constituents of the ER in ratio of yearly net receivable was agreed to be made by the members present in the Commercial Sub-Committee meeting.

TCC may please approve the proposal of ERLDC.

Deliberation in the TCC Meeting

TCC principally approved the proposal of disbursement of interest amount accrued in the UI Pool Account and lying with the bank at present in proportion of yearly net receivable. TCC also recommended to explore the possibility of utilising this fund in future for foreign training for the constituent members in areas concerning grid management.

ERPC may agree.

ITEM NO.8 DEEMED GENERATION OF RANGIT HPS DURING THE PERIOD OF FLOOD AND RESTORATION THEREOF

The issue of deemed generation of Rangit HPS during flooding from 11.07.06 to 18.10.06 was deliberated in the 5th TCC meeting held on 18.02.08 wherein it was decided that ERPC would convene a Special Commercial Sub-Committee meeting to resolve the issue. Accordingly a Special Commercial Sub-Committee meeting of ERPC was held on 09.05.2008 at ERPC, Kolkata. In the said meeting, a presentation was made from ERPC Secretariat on the issue of the claim of deemed generation of Rangit HPS during the period of flood. The computation carried out by ERPC and presented in meeting showed that the original claim of Rs.9.185 crore of NHPC got reduced to Rs.2.181 crore as per CERC regulation. NHPC was requested to convey in writing its willingness to accept Rs.2.181 crores as final settlement towards claim of deemed generation instead of Rs.9.185 crores.

The issue was further deliberated in the Commercial Sub-Committee meeting held on 24.06.08. The entire deliberation made in the said meeting is reproduced in the TCC agenda.

Deliberation in the Commercial Sub-Committee Meeting held on 24.06.08

SE (Comml), ERPC informed that ERPC Secretariat is in receipt of a letter dated 19.06.2008 from Chief (F) Commercial, NHPC (copy enclosed at Annexure-‘B’). The letter was read out in the meeting. It was observed by ERPC that in the letter it has been stated that

Quote

..... As a special case, we wish to convey our consent to the methodology proposed by ERPC during the meeting held on 09.05.2008 regarding treatment of deemed generation in the energy charges calculation.

We hope that our genuine claim of deemed generation of 137.51 MU would be allowed to bill to the ER beneficiaries.

Unquote

It was emphasized by SE (Comml), ERPC that the calculation presented in the meeting held on 09.05.2008 by ERPC is in accordance with the regulations of CERC governing deemed generation of hydro stations of ISGS. Therefore, NHPC should state clearly that its original claim of Rs.9.185 crores stood reduced to Rs. 2.181 crores as per calculation of ERPC and was acceptable to NHPC. Further, the claimed quantum of deemed generation of 137.51 MU as already shown in the calculation was on the higher side. Before initiating the discussions, SE (Comml), ERPC emphasized that NHPC representative present in the meeting should state in clear terms that the calculation presented by ERPC in the meeting held on 09.05.2008 are acceptable to NHPC.

NHPC representative present in the meeting clarified that they would accept the amount of Rs.2.181 crores as the final settlement towards claim of deemed generation instead of the original claim of Rs.9.185 crores.

GM, ERLDC stated that there are two issues involved which are inter-linked. First, it has to be decided whether NHPC is entitled to get deemed generation for the period of flooding. Secondly, if the principle of deemed generation is accepted, then the quantum and the corresponding monetary value needed to be computed. Regarding the claim of deemed generation, he emphasized that, in the meeting held on 09.05.2008, ERLDC and ERPC both had stated very clearly that NHPC has legitimate claim of deemed generation for the period of flooding which was beyond the control of the generator. At the same time, he appreciated the efforts made by ERPC to correctly find out the monetary value of the deemed generation which has resulted substantial reduction of the original claim of Rs.9.185 crores to Rs.2.181 crores. He urged the constituents to accept this claim which is nominal.

MS, ERPC also emphasized that any hydro station is having associated hydrological as well as geological risks. The beneficiaries of the hydro power will have to live with the risk because huge investments are required for the construction of hydro power station and no investor will be willing to invest unless these risks are safeguarded.

Therefore, the claim of deemed generation of NHPC was in order. He requested the beneficiaries of Rangit HPS for acceptance of the claim of NHPC for deemed generation amounting to Rs.2.181 crores.

Thereafter, SE (Comml), ERPC invited the comments of the beneficiaries of Rangit HPS regarding their acceptance of the revised claim amount.

The beneficiaries of Rangit HPS present in the meeting submitted that they are, in general, against the principle of deemed generation of NHPC under the aforesaid conditions. However, since the claim has been justified by both ERPC and ERLDC and the claim amount had come down substantially from Rs.9.185 crores to Rs. 2.181 crores, DVC, WBSEDCL and BSEB finally agreed to make payment on the basis of the revised calculation subject to ratification in next TCC and ERPC meeting. However, JSEB did not agree to make any payment on account of deemed generation to NHPC for the aforesaid period.

It was decided to place this in the forthcoming TCC meeting for decision.

TCC members may take a final decision regarding the payment of Rs.2.181 crores to NHPC as a final settlement of the issue.

Deliberation in the TCC Meeting

Member Secretary, ERPC apprised the members the initiative taken by ERPC in solving the issue of Deemed Generation of Rangit HPS during

the period of flooding from 11.07.06 to 18.10.06. He observed that in the last Commercial Sub-Committee meeting of ERPC held on 24.06.08, beneficiaries of Rangit except JSEB agreed to make payment of Rs. 2.181 Crores as a final settlement instead of the original claim of NHPC to the tune of Rs. 9.185 crores. He requested the beneficiaries of Rangit HPS to approve this.

WBSEDCL submitted that they are not in a position to make any payment towards deemed generation of Rangit HPS, as the same can not be realised retrospectively at this stage from the consumers of WBSEDCL since the FPPCA is already finalised by WBERC. WBSEDCL advised NHPC to approach CERC for this. On receipt of CERC order, WBSEDCL would be approaching WBERC with a petition for additional realisation of fund for this purpose.

BSEB also submitted that the NHPC was not entitled for deemed generation during the period of flooding.

JSEB also echoed the views of BSEB.

However, DVC and Sikkim agreed to settle the issue as suggested in the agenda.

It was emphasised by ERPC Secretariat that the issue had long been pending. After long deliberation and efforts, in the last Commercial Sub-Committee Meeting of ERPC, beneficiaries of NHPC except JSEB agreed to make payment to NHPC based on the revised calculations made by ERPC Secretariat. Re-opening the issue at this stage would mean that the efforts made so far is being negated. It was also stressed by ERPC Secretariat that both ERLDC and ERPC had clarified that the deemed generation claim made by NHPC was in order and is in accordance with the CERC regulations governing deemed generation.

NHPC submitted that flooding of power station can not be man made and therefore, a force majeure condition prevailed. As per CERC regulation, they are fully entitled to the deemed generation claim, the monetary value of which has already been computed as 2.181 crores by ERPC Secretariat and accepted by NHPC in writing. NHPC wondered the ways the Rangit HPS beneficiaries were reversing their earlier decisions taken in the Commercial Sub-Committee Meeting.

Both Member Secretary, ERPC and General Manager, ERLDC tried to convince the beneficiaries to accept the claim amount of Rs. 2.181 crores towards final settlement of deemed generation.

Since no consensus decision could be arrived at, it was decided to refer this issue to the ERPC meeting.

ERPC may please decide.

ITEM NO.9 SCHEDULING OF TALCHER STAGE-II GENERATION OF SR BY ERLDC VIA EASTERN REGION CORRIDOR AND RELATED ISSUE INCLUDING ER TRANSMISSION CHARGES

BACKGROUND OF ISSUE WITH COMMENTS IN THE 7TH CCM HELD ON 24.06.2008

Talcher–Kolar bi-pole HVDC Link was constructed to evacuate the generation of power exclusively from Talcher STPS Stage – II station of NTPC (4 x 500 MW) which is meant for beneficiaries of Southern Region only. After commissioning of above link, ERLDC is also scheduling Talcher Stage-II generation of SR intermittently through ER corridor using ER transmission network. Further, there were Single / Double Pole interruptions/failure instances of Talcher-Kolar HVDC link under these sort of scheduling. The details regarding exact number of such planned/forced pole outage cases would have to be obtained from ERLDC/SRLDC. In any case, by such scheduling of SR power by ERLDC through ER corridor, the beneficiaries of ER are not getting any relief in terms of sharing of ER transmission charges. This means that SR power is being scheduled through ER corridor without any transmission charge liability by SR beneficiaries. Seeing this way of scheduling of SR power through ER corridor without bearing any transmission charge, ERPC Secretariat thought it fit to consider such scheduling as LTOA transaction for the month of July'2007 when it was seen that there were planned shut down of Poles in the above HVDC link for days together. Accordingly, in the Regional Energy Accounting (REA) of ER, a proportionate loading of ER transmission charges for such scheduling for the relevant period was done and REA for July'07 was issued by ERPC Secretariat. The issue was brought to the notice of members in the 4th TCC meeting of ERPC held at Gangtok, Sikkim on 21.09.07 where TCC members endorsed the booking of proportionate transmission charges to SR for the month of July'2007 for utilization ER network for scheduling of TSTPP Stage-II generation to SR. When Powergrid approached ERPC Secretariat regarding non-realisation of the said transmission charges from SR, SRPC was requested by ERPC to take necessary action for payment as per the monthly REA issued. But there was no response from SRPC. On repeated persuasion by Powergrid in the matter, ERPC Secretariat again requested SRPC Secretariat to convene a meeting suitably to discuss the issue for a possible solution. Though there was still no response from SRPC in the matter, it was seen that the issue was being deliberated in the SR forum and there were varieties of opinion expressed by the beneficiaries of SR. Meanwhile, Powergrid in their letter dated 01.05.2008 addressed to M.S., ERPC insisted to revise the said REA of July'07 on the plea that the REA was not prepared in line with the provision of CERC Regulation as LTOA clause is not applicable in the instant case. The discussions / deliberations that are taking place on the issue in SR forum and the variety of opinion that are emerging from their beneficiaries are sufficient to prove to Powergrid that there remains a case of sharing of transmission charges in this regard. On this ground, ERPC further wrote to SRPC vide its letter No. ERPC/COM-I/GEN/2008/752 dated 07.05.2008 (enclosing ERPC's earlier request

dated 13.02.08) and again requested to convene a joint meeting at Bangalore to sort out the issue of sharing of transmission charges of ER by SR constituents for the period when Talcher Stage-II power was wheeled through ER transmission network.

Finally, in response to ERPC letter as above, SRPC vide their letter dated 26.05.08 intimated the following regarding booking proportionate ER transmission charge to SR constituents for the above period :

- The issue is being considered for quite some time and such a transaction is yet to find a place in CERC regulation.
- Before taking up with CERC for appropriate provision in the Regulation for such transactions, the issue is being dealt in the SRP Committee and Commercial Sub-Committee meeting.
- In the spirit of mutual cooperation, the SR constituents have generally agreed to make payment on the basis of STOA transaction charges for the Eastern Grid pertaining to the year 2007-08.
- They were also of the opinion that for some minimum number of days of power transfer through Eastern Grid under similar circumstances in future also, no charges should be leviable on them; in case it exceeds the minimum fixed period they are willing to make payment for the entire period of power transfer. This is being taken up with SRPC for consideration.

While general agreement on the issue of making payment towards proportionate transmission charge for such transaction by SR is welcome approach towards addressing the issue, the opinion that no charges should be leviable on them for some minimum number of days of power transfer under similar circumstances in future is not tenable.

A rough estimate has been prepared after going through the schedule implemented by ERLDC by diverting Talcher STPS Stage – II generation through ER corridor via Jeypore – Gazuwaka link in the year 2007-08 only (leaving aside the figures of earlier years) and it reveals not an insignificant amount. The month-wise figures of diverted schedule as above are as under (The instances and duration of HVDC Link pole planned/forced outages among these would have to be obtained from ERLDC/SRLDC) :

Month	TSTPS Stage II Energy Wheeled Through Jeypore – Gazuwaka (MU)
April'07	5.77307
May'07	211.1757
June'07	175.00538
July'07	250.4888
August'07	53.718
Sept'07	25.21465

Month	TSTPS Stage II Energy Wheeled Through Jeypore – Gazuwaka (MU)
Oct'07	16.06860
Nov'07	0.00
Dec'07	9.01851
Jan'08	271.33785
Feb'08	7.79477
March'08	0.00
Total :	1025.59533

In the CCM meeting, members may please decide on –

- i) Whether they are willing to accept payment from SR on the basis of STOA transaction charges.
- ii) Whether any waiver would be allowed for minimum period as proposed by SR.
- iii) Whether the REA for the month of July'07 would be revised as requested by Powergrid.
- iv) Any other proposal between STOA and LTOA which can be mutually acceptable by SR and ER.

Deliberation in the Commercial Sub-Committee Meeting held on 24.06.08

SE (Comml), ERPC recounted the sequence of event related to the above issue. He also brought into the attention of the members regarding the letter dated 26.05.2008 received from MS, SRPC. He requested the members present to go through the letter and focus the discussions on the four points listed at the end of the agenda items.

- i) Whether they are willing to accept payment from SR on the basis of STOA transaction Charges.

Initiating the discussion, SE (Comml), ERPC informed that the charges levied on SR for LTOA transaction for the month of July 2007 was for the actual period during which power was transmitted through the Eastern grid. The normal practice for LTOA is that, irrespective of flow of power, LTOA charges are payable. By restricting the applicability of LTOA charges only for the period for actual flow of Talcher Stage-II power from SR to ER, concession has already been given. So, in the strictest sense, charges that had been booked against SR is not LTOA. However, the beneficiaries of the Eastern Region are having the liberty to decide whether they are willing to accept STOA rate as transmission charges. It was further pointed out by ERPC that the decision of shutdown of Talcher HVDC bi-pole for capacity upgradation was cleared in the SRPC forum and this was communicated to ERPC much later at our insistence by ERLDC vide their Fax Message dated 02.08.2007. SR had adequate time to apply for STOA for such scheduling. This was not resorted to.

Therefore, ERPC had no alternative but to treat this transaction as LTOA for the actual period of usage.

None of the constituents of the Eastern Region agreed with the SR proposal of payment to ER on the basis of STOA treatment.

- ii) Whether any waiver would be allowed for minimum period as proposed by SR.

None of the constituents of ER agreed with the proposal of SR for waiving the transmission charges for a minimum period. In this connection, SE (Comml), ERPC brought into the attention of the members regarding the provision in IEGC for revision of scheduling for partial / full outage of unit and/or transmission lines and the applicability of time blocks therein.

- iii) Whether the REA for the month of July 2007 would be revised as requested by Powergrid.

Initiating the discussions on this point, SE (Comml), ERPC informed that 1025 MU of energy to Talcher Stage-II has flowed through Eastern grid to SR during the year 2007-08 through Jeypore-Gazuwaka link. As per the paradigm shift regarding sharing of transmission charges as envisaged in the Electricity Act and Indian Electricity Policy, the user of the regional grid are to pay for uses of the regional grid. In order to drive home this point, ERPC Secretariat only for one instance, i.e. in the REA for the month of July 2007, booked the corresponding proportionate transmission charges against SR. The basic objective was to get relief for the Eastern Region constituents in the transmission charges payable by them for usage by others, particularly when the regional concept is in place even today. This was also placed in the 4th TCC meeting of ERPC held at Gangtok on 29.01.2007 where TCC members endorsed the approach adopted by ERPC for preparation of REA in the month of July 2007. However, ERPC would adhere to the decision(s) taken in this Commercial Sub-Committee and the subsequent TCC and ERPC meetings.

Powergrid representative emphasized that the REA for the month of July 2007 issued by ERPC Secretariat is not in accordance with the CERC Regulations and as such needed immediate revision to facilitate Powergrid to realize the outstanding transmission charges receivable by them. Preparation / revision of REA in line with CERC regulation does not require any consent from the constituents. He clarified that, in the event of an subsequent agreement between ER and SR regarding the payment of transmission charges, necessary relief would be given to ER constituents by Powergrid. He requested the ER constituents to agree for the revision of REA for the month of July 2007.

GM, ERLDC also endorsed the views of Powergrid.

Because of the divergence of opinion on this issue, no consensus decision could be arrived at. SE (Comml), ERPC concluded that, since the issue of REA for the month of July 2007 involving proportionate booking to SR

has already been endorsed in the 4th TCC meeting held on 29.01.2007 at Gangtok, any change agreed to subsequently must have the stamp of approval of the TCC members before implementation of the same by ERPC. It was decided to place this in the forthcoming TCC meeting of ERPC for decision.

- iv) Any other proposal between STOA and LTOA which can be mutually acceptable by SR and ER

GM, ERLDC observed that there are scope of negotiations between ER and SR to arrive at some mutually acceptable rate. On his proposal all the constituents present in the meeting authorized Member Secretary, ERPC to take up with Member Secretary, SRPC to mutually discuss and resolve this issue.

In this connection, it is informed that a meeting is scheduled to be held on 14.07.08 among Member Secretary, ERPC / General Manager, ERLDC / Member Secretary, SRPC/ General Manager, SRLDC and Chief Engineer (GM), CEA. The outcome of the meeting would be placed in the TCC meeting.

Deliberations in the TCC Meeting

Member Secretary, ERPC apprised the members regarding the following decisions taken in the meeting held between MS, SRPC and MS, ERPC on 14.07.2008 at Trivandrum :

- i) For all existing cases including and subsequent to July 2007 cases, it has been agreed to have one day of power transfer to Southern Region free of cost. Only additional days are chargeable.**
- ii) Agreed rate for power transfer was 65% of applicable LTOA charges of ER system.**
- iii) Priority of power transfer under all circumstances agreed as LTOA transfer.**

The above decisions to be ratified by CERC.

It was unanimously agreed that the decision arrived at by MS, ERPC and MS, SRPC may be implemented. The methodology for implementation needs to be worked out in detail.

MS, ERPC clarified that 65% LTOA would be on scheduled energy. However, WBSEDCL and GRIDCO were of the view that the claim for July'07 may be settled and we may not raise such bills in future. It would not only be against spirit of co-operation between the regions but can boomerang and open Pandora's Box.

However, ERLDC and some of the constituents were of the view that it would affect operational flexibility and at future day may prove to be hindrance in grid stability.

Powergrid appealed for revision of REA for the month of July'07 on the ground of non-realisation of the booked amount from the SR constituents. It was assured by Powergrid that the ER constituents would be given necessary relief once the agreement between ER and SR are ratified by CERC.

ERPC may discuss and advise.

ITEM NO.10 METHODOLOGY FOR ENERGY ACCOUNTING OF KAHALGAON STAGE I AND II (EXTENSION PHASE I)

The Unit No, 5 & 6 of Kahalgaon STPS Stage –II has generated infirm power in the recent past. As intimated by NTPC, the generation from the above units is likely to commence on regular basis shortly. Till the commercial operation of all the three units (U-5, 6, 7) of Kahalgaon STPS Stage –II, some methodology needs to be adopted to segregate the firm and infirm generation of the units of KhSTPP – II. Accordingly NTPC submitted a proposal to ERPC, which was subsequently discussed between representatives of ERPC, ERLDC & NTPC.

Further, the proposed Energy Accounting Methodology to be adopted for KhSTPP – II of NTPC was discussed in the last Commercial Sub-Committee meeting of ERPC held on 24.06.2008 wherein the rationale of adopting the proposed energy accounting methodology for NTPC Kahalgaon STPS Stage-I and Stage-II was explained by SE (Comml), ERPC. This was approved by the Commercial Sub-Committee.

PROPOSED ENERGY ACCOUNTING METHODOLOGY FOR NTPC KAHALGAON STPP STAGE-I AND STAGE-II.

A) Till the units at NTPC, Kahalgaon Stage II are commercial:

- 1) ESO for Stage II units:
 - a) U#5 = GT5-ST3
 - b) U#6 = GT6-ST4
 - c) U#7 = GT7-ST5
- 2) $AG(\text{COMMERCIAL}) = \sum Ex - (U\#5 + U\#6 + U\#7)$ (only non-commercial units) where $\sum Ex = \text{ESO} = \text{Sum of export on all outgoing lines (400 KV \& 132 KV)}$.
- 3) $UI = AG(\text{COMMERCIAL}) - (SG1 + SG2)$ where
 - a) SG1 = Schedule generation of Stage I Units

- b) SG2 = Schedule generation of Stage II Units
- 4) Normally the Station Transformer of Stage II units feed the power for that particular Unit (ST3 to U#5, ST4 to U#6 & ST5 to U#7). In the eventuality that any one of the station transformer of Infirm Units of Stage II is not in service then the power drawn for auxiliaries of that particular unit will be from another Station Transformer of Stage II, so the treatment of ESO for all the Infirm Units for that duration would be as per the minutes of meeting of 6th Commercial Committee of ERPC which is as follows:
- a) Till the commissioning of UAT of generator (Nos. 5 to 7, as applicable). Normative APC to be deducted from GT end readings of Generator (Nos. 5 to 7, as applicable) for the purpose of calculation of sent out energy of Generator (Nos. 5 to 7, as applicable).
- b) After commissioning of UAT of generator (Nos. 5 to 7, as applicable), 2% for station load consumption to be deducted from GT end readings of Generator (Nos. 5 to 7, as applicable), for the purpose of calculation of sent out energy of Generator (Nos. 5 to 7, as applicable).

B) After all the units at NTPC, Kahalgaon Stage II are commercial:

- 1) $AG = \sum Ex$;
 a) Where $\sum Ex$ is Station ESO as at (A) (2) above.
- 2) $UI = (AG - SG1 - SG2)$;
 a) Where SG1 is SG of Stage I & SG2 is SG of Stage II.

Members may please note.

Deliberations in the TCC Meeting

Members noted.

ITEM NO.11 CERC ORDER ON SHARING OF CHARGES FOR AND LOSSES IN INTER-STATE TRANSMISSION SYSTEM.

The Central Electricity Regulatory Commission had floated a discussion paper titled "Proposed Approach for Sharing of Charges for and Losses in inter-State Transmission System" in February, 2007. The Commission invited comments/suggestions from the stakeholders and the interested parties/ persons. Over 40 sets of written comments were received by the Commission in April-May 2007 from the stakeholders and interested parties and persons. Based on this, a revised approach paper was proposed by CERC through order dated 02.07.2007 in Petition No. 85/2007 (Suo Moto) to serve as the base paper for an open house discussion/ public hearing on this subject. Based on the day long hearing on 10.08.2007, the

Commission has finalized the approach of sharing of charges for and losses in the inter-state transmission system vide order dated 28.03.2008.

In the order the Commission has proposed one imminent change :

In respect of all inter-regional links between ER and NR, between ER and WR, and between ER and SR, their transmission charges shall be merged with transmission charges of intra regional systems of NR, WR and SR respectively, and shared in the same manner as the latter, with effect from 01.04.2008.

As a result of the revised approved adopted by CERC for sharing of transmission charges of inter-regional lines, the ER constituents have received substantial relief to the tune of Rs.8 crores per month towards ER transmission charges, as informed by Powergrid in the 7th Commercial Sub-Committee meeting held on 24.06.2008. Further, it is worth mentioning that the ER constituents would bear only 50% of the transmission charges for the 400 kV Bongaigaon-New Siliguri D/C line. For no other inter-regional elements ER constituents are liable to pay.

This is for information of the members.

Deliberations in the TCC Meeting

Members noted.

ITEM NO. 12 A) ISSUES RAISED BY POWERGRID

COMMERCIAL OPERATION OF TRANSMISSION ASSETS

POWERGRID vide their letters dated 31.01.2008, 01.05.2008 & 27.05.2008 informed that the following assets of POWERGRID have been commissioned on 07.01.2008, 30.04.2008 & 22.05.2008 respectively:

Sl. No.	Name of the Element	Date of Commercial Operation
1.	Feeder-I of 400 kV D/C Teesta(Stage-V) – Binaguri Transmission Line associated with Teesta(Stage-V) HEP.	01.02.2008.
2.	1 No. 400 kV Bay and 1 No. 220 kV Bay associated with ICT-II at Baripada Sub-Station booked under Teesta (Stage –V) HEP	01.05.2008.
3.	315 MVA , 400/220 kV , ICT – II at Baripda S/s associated with Teesta(Stage-V) HEP.	01.05.2008.
4.	Feeder-II of 400 kV D/C Teesta(Stage-V) – Binaguri Transmission Line associated with Teesta(Stage-V) HEP.	01.06.2008.
5.	1 No. 400 kV Line Bay at Binaguri Sub-Station associated with Teesta(Stage-V) HEP.	01.06.2008.

In the last Commercial Sub-Committee meeting held on 24.06.2008, Powergrid informed that the elements listed for DOCO were approved by the Standing Committee meeting held on 16.12.2002 at Bhubaneswar and was subsequently approved in the 108th ERE Board meeting held on 19.09.2003. The scheduled Date of Commercial Operation of all these elements was May 2007.

Based on the information furnished by Powergrid, members in the 7th Commercial Sub-Committee of ERPC meeting held on 24.06.2008 approved the DOCO of the listed elements.

TCC members may please agree.

Deliberation in the TCC Meeting

TCC approved the DOCO of the above elements.

Put up to ERPC for approval.

B) ISSUES RAISED BY ERLDC

BACK-UP COMMUNICATION LINKS FOR RLDC

The issue was deliberated in the 25th OCC meeting of ERPC held at ERPC, Kolkata on 25.04.08. The estimated expenditure for VSAT installation is Rs. 36 lakhs. The annual recurring charges for leasing of bandwidth of five E 1 links is Rs. 16.10051 lakhs excluding the expenditure of last mile connection and Rs. 3 lakhs for for VSAT links. The project shall be taken up for implementation by the concerned RTS after the commercial approval by the constituent for reimbursement of the project cost against O&M charges. In the meeting, OCC, in principle, agreed for technical and commercial approval of the project and ERLDC was requested to place the issue also in the Commercial Committee meeting for concurrence before putting up in TCC/ERPC.

It was clarified by GM, ERLDC in the 7th Commercial Sub-Committee meeting of ERPC held on 24.06.2008, that the proposal of back-up communication links for other RLDCs in the country had already been approved and the estimated expenditure furnished by ERLDC in the agenda was in line with the rates approved by 'TRAI' at present for similar facilities.

Members present in the 7th Commercial Sub-Committee meeting agreed with the proposal of ERLDC for establishment of the back-up communication link.

TCC members may please approve.

Deliberations in the TCC Meeting

TCC agreed with the proposal of establishment of back up communication link for ERLDC including the cost involved therein.

ERPC may please agree

C) ISSUES RAISED BY NTPC

REPLACEMENT OF PLCC PANELS OF 400 kV KAHALGAON – BIHARSHARIFF LINE I & II AT KAHALGAON END

The issue was deliberated in the 26th OCC meeting of ERPC held at ERPC, Kolkata on 16.05.08. The relevant extract from the Minutes of the above meeting is reproduced below:

“NTPC proposed for replacement of existing protection coupler (BPL make) used 400 kV Kahalgaon – Biharshariff line 1&2 at Kahalgaon end because these are old, obsolete in design and their spares are not readily available. Powergrid has already undertaken the job of replacement of the same for both ends of 400 kV Farakka – Durgapur line as well as at Biharshariff end. In order to match the above, Powergrid was requested to take up the replacement of Kahalgaon end PLCC panels.

It was decided that NTPC should place the agenda point in the Commercial Committee meeting for deliberation and approval.”

Accordingly, the issue was placed before the 7th Commercial Sub Committee meeting of ERPC held on 24.06.2008. In the said meeting, members principally agreed with the proposal of NTPC for replacement of PLCC panels of 400 kV Kahalgaon-Biharshariff Line I & II at Kahalgaon end. It was, however, suggested that this proposal along with cost involvement therein should be placed in the TCC meeting for final concurrence.

Accordingly, Powergrid / NTPC is requested to furnish the necessary cost figures before the TCC for further deliberation in the meeting.

Deliberations in the TCC Meeting

Powergrid intimated that around Rs. 28 lacs would be required for the above works. Members agreed

Put up to ERPC for approval.

ITEM NO.13 SCHEDULING OF ISGS HYDRO STATIONS (RUN-OFF-THE-RIVER AND PONDAGE BASED HYDRO TYPE)

The amendment of the CERC Regulations Terms and Conditions of Tariff, which came into force on 7th January 2008, introduced a significant change

in the hydro scheduling procedure. At present as per the amendment any variation in the actual generation in a day (Day 1) with respect to the forecasted generation (done on Day 0) is adjusted in the schedule of the fourth day (Day 4).

ED (SO), NRLDC made correspondence with CERC in this regard, mentioning that certain difficulties had been brought to their notice by the stakeholders. The amendment however emphasizes the need for better forecast of water inflows by the plants. They have requested that in case of high variation in water inflows, the power stations might be allowed a change in declaration leading to a revision in their dispatch schedule. They have also requested to the Hon'ble Commission, to give an early decision in this regard, before the coming monsoon so that the distortions do not creep into the scheduling process.

In the last Commercial Sub-Committee meeting held on 24.06.2008, ERLDC explained the methodology of scheduling adopted by ERLDC with effect from 1st June 2008 as per the correspondence made by ED (SO), NRLDC with CERC. He observed that the methodology adopted at present is in the form of an interim measure till the final order is issued by CERC.

Members may please note.

Deliberations in the TCC Meeting

Members noted.

ITEM NO.14 INCENTIVE ENERGY STATEMENT FOR NTPC STATIONS IN EASTERN REGION FOR THE PERIOD APRIL '07 TO MARCH '08

The provisional incentive energy statements for 2007-08 i.e. for the period from April'07 to March'08 was issued by ERPC secretariat vide its letter No.ERPC/COM-I/REA/2008/981-1009 dated 23/26.05.08. As per the statement issued as above, the incentive energy eligible in respect of NTPC stations in ER were as under:

Farakka STPS : 401106.23 MWH; Kahalgaon STPS Stage-I : 703274.22 MWH and Talcher Stage – I : 757554.79 MWH.

The incentive energy as above booked to respective beneficiaries is furnished in **Annexure - IV**.

Members may please note.

Deliberations in the TCC Meeting

Members noted.

ITEMNO.15 CERTIFICATE OF AVAILABILITY FOR TRANSMISSION SYSTEM ELEMENTS OF POWERGRID AND POWERLINK IN EASTERN REGION FOR THE YEAR 2007-08

Certificates for Availability of Transmission system elements of Powergrid and POWERLINKS in Eastern Region for the year 2007-08 have been issued by ERPC vide letters dated 30.04.2008 & 02.07.2008 respectively. Composite availability for Intra-Regional Powergrid elements in ER for 2007-08 is 99.68% and availability for intra-regional lines of POWERLINKS in Eastern Region is 99.60%.

Members may please note.

Deliberations in the TCC Meeting

Members noted.

ITEM NO.16 INFIRM GENERATION OF TEESTA STAGE - V

Teesta Stage V generated 61164.629 MWH of infirm power before the declaration of commercial operation of all the three units and thereby, received UI charges amounting to Rs 439143958/- . ERPC vide its letter dated 22.05.08 intimated the same to CERC.

In the last Commercial Sub-Committee meeting of ERPC held on 24.06.2008, SE (Comml), ERPC informed that, as per the existing regulations, the above mentioned revenue amounting to Rs.43.91 crores in the form of infirm generation at frequency linked rate earned by Teesta Stage-V units would be deducted from the total capital expenditure related to the Teesta Stage-V project.

Members may please note.

Deliberations in the TCC Meeting

Members noted.

ITEM NO.17 PROCEDURE FOR DISBURSEMENT OF UI CHARGES TO OTHER REGIONS – PROPOSAL OF NRPC

As per the existing procedure of disbursement of UI, the inter-regional constituents are accorded highest priority than the regional constituents. In a recent letter, NRPC Secretariat had detailed the problems being faced by them due to inadequate receipt in UI pool and the subsequent payment to the inter-regional constituents on first charge basis.

NRPC Secretariat had submitted three proposals for disbursement of UI charges. These proposals were deliberated at length in the 6th Commercial Sub-Committee meeting held on 16.01.08 wherein the constituents of the

Eastern Region observed that, as per the existing regulations of CERC, payment of the UI pool is to be accorded highest priority. Therefore, the constituents of ER unanimously endorsed that the existing method of giving highest priority to the neighbouring region in the matter of disbursement of UI charges should be continued.

In the 5th TCC and 6th ERPC meetings held on 18.02.08 and 19.02.08, members endorsed the decision of the Commercial Sub-Committee. This decision of ERPC was communicated to NRPC by ERPC.

Further, in the 8th NRPC meeting held on 25.0.2008, Superintending Engineer (Commercial), ERPC stated that the matter was discussed in details in ERPC meeting. It was opined that the issue arisen in Northern Region was due to non-payment of UI charges by some states within the region. Also, in the recent CERC Regulations on UI charges, the surplus generated in the UI pool by capping of UI for thermal stations was to be utilized for liquidation of outstanding UI charges. This would provide relief to the beneficiaries of NR. In case the existing method was changed, the interest of ER would be jeopardized.

Chairman, NRPC suggested that they would monitor the impact of CERC order on liquidation of outstanding UI dues by UP and payment by the State of J&K. Thereafter, the method of UI payment could be reviewed, if required.

Members may please note.

Deliberations in the TCC Meeting

Members noted.

ITEM NO. 18 ANY OTHER POINT WITH THE PERMISSION OF THE CHAIR

18.1 ADDITIONAL AGENDA SUBMITTED BY JSEB

18.1.1 Restrengthening of 132 Kv Garwah-Sonenagar Line

18.1.2 Strengthening of 132 Kv Deogarh-Sultanganj Line

18.1.3 Strengthening of 220 Kv Lalmatia-Farakka Line

Deliberation in the TCC meeting

It was decided that the issues be first discussed in OCC meeting.

18.2 ADDITIONAL AGENDA SUBMITTED BY WBSEDCL

18.2.1 Opening of Letter of Credit For Payment of UI Charges : WBSEDCL proposed opening of LC by the constituents in favour of RLDC as a payment security mechanism for payment of UI charges in case of default in payment.

Deliberation in the TCC meeting

It was decided that the issue may be first discussed in Commercial Sub-committee meeting.

18.3 ADDITIONAL AGENDA SUBMITTED BY GRIDCO

18.3.1 Allocation of 500 MW to Orissa from TSTPS-II and Allocation of 100% Share of Power to the ER Constituents From ER CGSs

18.3.2 Consideration of 400 kV Sub-station at Bolangir, Sudargarh and Keonjhar under PGCIL Regional Asset Scheme

18.3.3 Sharing of Transmssion Charges in the Evacuation System for New Capacity Addition in West Bengal and DVC by GRIDCO and Other Utilities

18.3.4 Transmission Scheme for Tilaiya and Other Generation Projects in Jharkhand, Orissa and West Bengal.

18.3.5 400 KV Sub-station at Duburi and Narendrapur.

18.3.6 3000 MW Dibang Multi Purpose Project in Arunachal Pradesh – Consent for Purchase of Power – information regarding.

Deliberation in the TCC meeting

It was suggested that GRIDCO may refer item no. 18.3.2 to 18.3.5 to the Standing Committee on Transmission Planning. Item No.18.3.1 may be first discussed in the Commercial Sub-committee meeting. Regarding item no.18.3.6 GRIDCO may directly take up the matter with NHPC.

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

LIST OF PARTICIPANTS IN THE 7TH ERPC MEETING

Date:26.07.2008

Venue : Hotel Capitol Hill, Ranchi

Name of the Constituent / Organisation	Sl. No.	Name S/Shri	Designation
ORISSA	1.	C.J.VENUGOPAL, IAS	Chairperson, ERPC & CMD,OPTCL
(A) OPTCL			
(B) OHPC	2.	J.PADHI	Director (Operation)
	3.	B.C.PADHI	Sr. General Manager (Elec)
(C) GRIDCO	4.	A.C. MALLICK	Director (Commercial)
	5.	M.K. MISRA	SR.GM (PP)
	6.	L. D. MOHAPATRA	AGM
	7.	U.K. SAHOO	Manager (PP)
(D) SOUTHCO	8.	B.B.G. PATRO	Sr. General Manager
JHARKHAND	9.	B.M.VERMA	Chairman
A) JSEB			
	10.	G.N.S. MUNDA	Member (Technical)
	11.	S.N. CHOUDHURY	Member (Distribution)
	12.	C.D. KUMAR	Engineer- in- Chief
	13.	G. SHUKLA	GM –cum-CE Tr. Zone-I
	14.	A.K. CHATTERJEE	Chief Engineer
	15.	D.N. RAM	Chief Engineer(Trans)
	16.	K.N. Thakur	Chief Engineer (C & R)
	17.	P.K. SINHA	Chief Engineer
	18.	R.P. SINHA	Secretary
	19.	M.K. MITRA	Chief Engineer (Trans)
	20.	R.M. TIWARY	ESE
	21.	S.C. MISHRA	ESE
	22.	ASHISH KUMAR	EEE
	23.	VIJAY RANJAN SINHA	Programmer, Chairman Cell
	24.	ANITA MARY JOSE	T(S) to Member (T)
	25.	SUDHANSU KUMAR	ESE
	26.	SHAKEEL AHMED	EEE
	27.	AJAY KUMAR	DDA(SECTT.)
	28.	JAYANT PRASAD	DA(REV)
	29.	V.P. DUBEY	DA, PTPS
	30.	S.C.THAKUR	EEE
	31.	H. OJHA	EO
	32.	D.P.SINHA	DPR
	33.	K.B.N. Singh	EEE
	34.	Smt. ANITA PRASAD	AEE(Commercial)
B) TVNL	35.	S.P. CHOUDHURY	Chief Engineer
	36.	P. KUMAR	EEE
	37.	S.R. SINGH	EEE
BIHAR	38.	S.K. GHOSH	ESE (Inter State)
BSEB			
	39.	RAKESH	EEE (Inter-state)
WEST BENGAL	40.	M.K. DE, IAS	CMD,WBSEDCL & CMD,WBSETCL
A)WBSEDCL			
	41.	M. MAJUMDAR	Executive Director(Commercial)
	42.	D.C. DUTTA	Chief Engineer (Commercial)
B)WBPDCCL	43.	S. MAHAPATRA	Managing Director
	44.	P.K. CHAKRABORTY	Executive Director(Corporate)

Name of the Constituent / Organisation	Sl. No.	Name S/Shri	Designation
C) WBSETCL	45.	P. GUPTA	Director (SO)
	46.	D.GANGULY	Chief Engineer(SLDC)
	47.	A.KARMAKAR	SE(E), CP & ED
D) CESC	48.	B.B. CHAKRABORTI	Vice President(System Operation)
	49.	RAHUL CHAKRABORTY	Manager (System Control)
GOVT. OF SIKKIM	50.	P.B. SUBBA	Chief Enigineer, E & P Deptt
	51.	H.B. PRADHAN	Executive Engineer
CEA	52.	S.M. DHIMAN	Member (GO & D)
	53.	T. CHATTERJEE	Chief Engineer (GM)
DVC	54.	S.K.CHAKRABORTY	Director (Commercial)
	55.	T.K. PAL	Chief Engineer(Commercial)
	56.	D. MUKHERJEE	Chief Engineer (E), CLD
	57.	C. KARMAKAR	Dy. Chief Engineer (Comml.)
NTPC	58.	R.S. RATHEE	General Manager (OS), ERHQ
	59.	RAKESH KUMAR	DGM (OS), ERHQ
	60.	VIVAKE KUMAR	DGM(Comml), CC
	61.	A. BASUROY	DGM(Comml), CC
	62.	K. PAL	DGM(Comml) , ERHQ
	63.	S.K. KAR	DGM(Comml), ERHQ
	64.	T.K. KONAR	Senior Manager , Ranchi
NHPC	65.	R.N. MISHRA	Executive Director (Commercial)
	66.	KAMAL KAPOOR	Executive Director (O&M)
	67.	D. CHAKRABORTY	Chief (Finance)
POWERGRID	68.	D. CHOUDHURY	Executive Director (ERTS-II)
	69.	J.P. SINGH	General Manager I/C (ERTS-I)
	70.	Dr.L. HARI	General Manager , ER-I
	71.	B.S. PANDEY	General Manager
	72.	S. PRASAD	AGM (Comml)
PTC	73.	SANTOSH KUMAR	Advisor
	74.	H SARAN	Vice President
	75.	SUMAN GHOSH	Vice President
ERLDC	76.	M.G. RAOOT	General Manager
	77.	M. MITRA	DGM
	78.	P. MUKHOPADHYAY	DGM
	79.	S. KONAR	Dy. Manager
ERPC	80.	R.K.GROVER	Member Secretary
	81.	J. BANDYOPADHYAY	Superintending Engineer
	82.	S.N. KAYAL	Superintending Engineer
	83.	B.C. MALLIK	Superintending Engineer
	84.	B. SARKHEL	Executive Engineer
	85.	S.K. GHOSH	Executive Engineer
	86.	ASOK ROY	Executive Engineer
	87.	S.M. JHA	Executive Engineer
	88.	S.P. DATTA	DGM(NTPC)
	89.	P. SENGUPTA	PA

Annexure-B**MEMBERS OF ERPC FOR THE YEAR 2008-09**

Sl. No.	Organisation	Members
1.	OPTCL	Chairman-cum- Managing Director & Chairperson, ERPC
2.	JSEB	Chairman
3.	BSEB	Chairman
4.	WBSEDCL	Chairman & Managing Director
5.	WBSETCL	Chairman & Managing Director
6.	DVC	Chairman
7.	CEA	Member (GO&D)
8.	Govt. of Sikkim	Secretary, Energy & Power Department
9.	NTPC	Director (Commercial)
10.	NHPC	Director (Technical)
11.	POWERGRID	Director (Operations)
12.	WBPDC	Managing Director
13.	ERLDC	General Manager
14.	BSHPC	Managing Director
15.	OPGC	Managing Director
16.	OHPC	Director (Operation)
17.	SOUTHCO	Chief Executive Officer
18.	TVNL	Managing Director
19.	CESC	Managing Director
20.	JUSCO	Nomination awaited
21.	NLDC	Nomination awaited
22.	ERPC	Member Secretary
		Associate Members
23.	GRIDCO	Nomination awaited
24.	PTC	Nomination awaited

LIST OF PARTICIPANTS IN THE 7TH TCC MEETING

Date:25.07.2008

Venue : Hotel Capitol Hill, Ranchi

Name of the Constituent / Organisation	Sl. No.	Name S/Shri	Designation
ORISSA (A) OHPC	1.	J. PADHI	Director (Operation)
	2.	B.C. PADHI	Sr. General Manager (Elec)
(C) GRIDCO	3.	A.C. MALLICK	Director (Commercial)
	4.	M.K. MISRA	SR.GM (PP)
	5.	L. D. MOHAPATRA	AGM
	6.	U.K. SAHOO	Manager (PP)
(D) SOUTHCO	7.	B.B.G. PATRO	Sr. General Manager
JHARKHAND A) JSEB	8.	G.N.S. MUNDA	Member (Technical)
	9.	G. SHUKLA	GM –cum-CE Tr. Zone-I
	10.	A.K. CHATTERJEE	Chief Engineer
	11.	D.N. RAM	Chief Engineer(Trans)
	12.	K.N. Thakur	Chief Engineer (C & R)
	13.	P.K. SINHA	Chief Engineer
	14.	M.K. MITRA	Chief Engineer (Trans)
	15.	R.M. TIWARY	ESE
	16.	S.C. MISHRA	ESE
	17.	SHAKEEL AHMED	EEE
	18.	S.K.THAKUR	EEE
	19.	AKSHAY KUMAR	EEE
	20.	RADHE SHYAM SINGH	AEE
	21.	K.B.N. Singh	EEE
	22.	Smt. ANITA PRASAD	AEE(Commercial)
B) TVNL	23.	S.P. CHOUDHURY	Chief Engineer
	24.	P. KUMAR	EEE
	25.	S.R. SINGH	EEE
C) JUSCO	26.	SHARAD KUMAR	General Manager
BIHAR BSEB	27.	S.K.GHOSH	ESE(Inter State)
	28.	RAKESH	EEE(Inter-state)
WEST BENGAL A)WBSedCL	29.	M. MAJUMDAR	Executive Director (Comml.)
	30.	D.C. DUTTA	Chief Engineer (Commercial)
B)WBPdCL	31.	P.K. CHAKRABORTY	Executive Director(Corporate)
C) WBSETCL	32.	P. GUPTA	Director (SO)
	33.	D.GANGULY	Chief Engineer(SLDC)
	34.	ASIT KARMAKAR	SE(E), CP & ED
D) CESC	35.	B.B.CHAKRABORTI	Vice President(System Operation)
	36.	RAHUL CHAKRABORTY	Manager (System Control)
GOVT. OF SIKKIM	37.	P.B. SUBBA	Chief Engineer, E & P Deptt
	38.	H.B. PRADHAN	Executive Engineer
CEA	39.	T. CHATTERJEE	Chief Engineer (GM)
DVC	40.	S.K.CHAKRABORTY	Director (Commercial)
	41.	T.K. PAL	Chief Engineer(Commercial)
	42.	D. MUKHERJEE	Chief Engineer (E), CLD
	43.	C. KARMAKAR	Dy. Chief Engineer (Comml.)

Name of the Constituent / Organisation	Sl. No.	Name S/Shri	Designation
NTPC	44.	RAKESH KUMAR	DGM (OS), ERHQ
	45.	VIVAKE KUMAR	DGM(Comm), CC
	46.	A. BASUROY	DGM(Comm), CC
	47.	K.PAL	DGM(Comm) , ERHQ
	48.	S.K. KAR	DGM(Comm), ERHQ
NHPC	49.	T.K. KONAR	Senior Manager, Ranchi
	50.	KAMAL KAPOOR	Executive Director (O&M)
	51.	R.N. MISHRA	Executive Director (Commercial)
	52.	D. CHAKRABORTY	Chief (Finance)
	53.	D. CHOUDHURY	Executive Director (ERTS-II)
POWERGRID	54.	J.P. SINGH	General Manager I/C (ERTS-I)
	55.	Dr.L. HARI	General Manager , ER-I
	56.	B.S. PANDEY	General Manager
	57.	S. PRASAD	AGM (Commercial)
	PTC	58.	H SARAN
59.		SUMAN GHOSH	Vice President
ERLDC	60.	M.G. RAOOT	General Manager
	61.	M. MITRA	DGM
	62.	P. MUKHOPADHYAY	DGM
	63.	S. KONAR	Dy. Manager
ERPC	64.	R.K.GROVER	Member Secretary
	65.	J. BANDYOPADHYAY	Superintending Engineer
	66.	S.N. KAYAL	Superintending Engineer
	67.	B.C. MALLIK	Superintending Engineer
	68.	B. SARKHEL	Executive Engineer
	69.	S.K. GHOSH	Executive Engineer
	70.	ASOK ROY	Executive Engineer
	71.	S.M. JHA	Executive Engineer
	72.	S.P. DATTA	DGM(NTPC)
	73.	P. SENGUPTA	PA

Annexure - I

SUMMARY OF UI RECEIPT AND PAYMENT STATUS

BILL UPTO 29.06.2008 (Week - 13 of 2008 - 09)
Last Payment Disbursement Date - 11.07.08

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
WR	5070.889	5023.11839	13514.08136	11906.22299	-1560.08776
SR	18701.88085	13851.01148	521.4433	521.4433	4850.86937
NER	1785.8138	1785.8138	7589.8225	5807.77507	-1782.04743
NR	25643.12536	20404.31816	2152.98934	2152.98934	5238.8072
BSEB	1388.49616	0	1570.89166	0	-182.3955
JSEB	106.9086	106.9086	1883.77503	1006.84013	-876.9349
DVC	3940.70829	3156.40499	3422.60117	3365.73567	727.4378
GRIDCO	2710.47765	2710.47765	6154.44585	3844.77	-2309.67585
WBSETCL	420.85927	0	15156.67816	14644.44031	-91.37858
SIKKIM	167.38757	167.38757	1453.30974	1115.76025	-337.54949
NTPC	0	0	3065.17625	1393.43015	-1671.7461
NHPC	13.23641	13.23641	1150.51687	1237.72968	87.21281
Pool Balance	0	0	2563.16121	0	-2563.16121
Transfer to IRE	0	0	-249.10948	221.54016	470.64964
TOTAL	59949.78296	47218.67705	59949.78296	47218.67705	

Outstanding 11374.97682

% Realization 78.76371643 As on 11.07.08

Receivable: Receivable by ER POOL Payable Payable by ER POOL
Received Received by ER POOL Paid Paid by ER POOL
"- ve" Payable by ER pool "+ ve" Receivable by ER pool

Annexure - II

**SUMMARY OF UI RECEIPT AND PAYMENT STATUS
2007 - 08**

BILL UPTO 30.03.2008 (Week - 52 of 2007 - 08)

Last Payment Disbursement Date - 01.07.08

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
WR	52795.91587	52795.94298	11902.12382	11902.12382	-0.02711
SR	7438.32266	7438.32346	7479.62485	7479.62565	0.00000
NER	266.99297	266.99297	43503.59370	43482.39681	-21.19689
NR	159818.90812	159809.17638	211.89384	212.19375	10.03165
BSEB	16390.79783	5936.20196	4290.37669	4291.43206	10455.65124
JSEB	8631.83706	8629.15312	3879.68931	3465.57757	-411.42780
DVC	6360.76119	6361.29708	22819.53725	21078.81934	-1741.25380
GRIDCO	0.00000	0.00000	95341.43427	94537.17182	-804.26245
WBSETCL	1920.84992	1920.84992	36965.05169	35388.89956	-1576.15213
SIKKIM	629.94803	629.94803	2495.09461	2162.84115	-332.25346
NTPC	0.00000	0.73981	10175.65303	9327.69183	-848.70101
NHPC	4.20657	4.20657	3606.80875	3606.80875	0.00000
Pool Balance	0.00000	0.00000	5015.94879	0.00000	-5015.94879
Transfer to IRE	0.00000	0.00000	6571.01907	6857.25018	286.23111
TOTAL	254258.54022	243792.83228	254257.84967	243792.83228	

Outstanding **10751.91400**

% Realization 95.88 As on 01.07.08

Receivable: Receivable by ER POOL Payable Payable by ER POOL
 Received Received by ER POOL Paid Paid by ER POOL
 "- ve" Payable by ER pool "+ ve" Receivable by ER pool

STATUS OF REACTIVE CHARGES

RECEIVABLE IN ER POOL AS PER PUBLISHED A/C UPTO 29.06.08 (2008-09)
AS ON 11.07.08

CONSTITUENT	AMOUNT RECEIVABLE IN THE POOL (Rs.)	AMOUNT RECEIVED IN THE POOL (Rs.)	OUTSTANDING (Rs.)
WBSEB	1275451	1206052	69399
TOTAL	1275451	1206052	69399

EASTERN REGIONAL POWER COMMITTEE :: KOLKATA

INCENTIVE ENERGY OF NTPC STATIONS IN ER FOR THE PERIOD APRIL'07 TO MARCH'08

(Provisional)
ALL FIGURES IN MWH

POWER STATION : ==>	FARAKKA STPS	KAHALGAON Stage-I	TALCHER STPS Stage-I
BENEFICIARIES	INCENTIVE ENERGY AS PER MONTHLY REA ISSUED FOR APRIL'07 TO MARCH'08	INCENTIVE ENERGY AS PER MONTHLY REA ISSUED FOR APRIL'07 TO MARCH'08	INCENTIVE ENERGY AS PER MONTHLY REA ISSUED FOR APRIL'07 TO MARCH'08
ER:			
BSEB	114766.72	138586.11	271811.74
JSEB	27663.11	13383.08	48127.26
DVC	4112.64	0	2353.03
GRIDCO	36303.66	71660.23	241636.26
WBSEB	89922.76	5982	67820.10
SIKKIM	8462.19	11651.23	18240.62
Sub-Total	281231.08	241262.65	649989.01
SR:			
APTRANSCO	0.00	0.00	0.00
KPTCL	0.00	0.00	0.00
TNEB	19539.21	25350.45	28318.51
KSEB	0.00	0.00	0.00
PONDICHERRY	0.00	0.00	0.00
Sub-Total	19539.21	25350.45	28318.51
WR:			
CSEB	3103.44	4513.67	4637.24
GUVNL	0.00	0.00	0.00
MPPTCL	3790.74	7736.3	8323.11
MSEDCL	13621.66	24519.37	27444.59
Dadra & Nagar Haveli	1348.95	1935.03	1976.53
Daman & Diu	1348.95	1935.03	1976.53
GOA	425.48	210.77	296.30
Sub-Total	23639.22	40850.17	44654.30
NR:			
UPPCL	20655.79	116949.87	9691.14
Punjab	9602.51	71296.17	0.00
Rajasthan	8082.25	41267.12	5194.84
J & K	8004.63	46577.48	4054.22
Haryana	4873.57	35613.52	0.00
DTL	9605.34	71412.47	0.00
Sub-Total	60824.09	383116.63	18940.20
NER			
ASSAM	11300.55	7559.64	9776.68
TRIPURA	0.00	0.00	0.00
MEGHALAYA	3218.72	4463.18	4712.19
NAGALAND	1353.36	671.5	1163.90
Sub-Total	15872.63	12694.32	15652.77
GRAND TOTAL	401106.23	703274.22	757554.79

NOTE :

- Incedntive energy apportioned as per CERC order dated 22.02.2005 on Petition No.87/2004.
- NTPC to raise bill after adjustment of incentive energy claimed upto December'07.