

EASTERN REGIONAL POWER COMMITTEE

AGENDA FOR THE 4TH TCC MEETING OF ERPC

Time & Date: 11:00hrs. on 21.09.2007 (Friday)

Venue : Rendezvous Hotel, Gangtok, Sikkim
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ITEM NO.1 CONFIRMATION OF THE MINUTES OF 3RD TCC MEETING OF ERPC HELD ON 18.06.07 AT KOLKATA.

The minutes of 3rd TCC meeting of ERPC were circulated vide this office letter no. ERPC/Committee/2007/2672-2717 dated 26.07.2007.

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

TCC may please confirm the minutes.

ITEM NO.2 HIGHLIGHTS OF GRID PERFORMANCE FOR THE PERIOD MAY'07 TO JULY'07

(A) FREQUENCY :

Frequency profile for the period May'07 to July'07 and the corresponding period of the previous year (i.e. May'06 to July'06) 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	
	2006	2007	2006	2007	2006	2007	2006	2007
Year								
May	3.29	1.55	96.40	98.42	0.31	0.03	0.00	0.00
June	2.59	3.63	97.13	96.24	0.28	0.13	0.00	0.02
July	1.17	1.55	96.35	98.42	2.47	0.03	0.01	0.00

From the above table, it may be observed that :

- Frequency profile in the IEGC band, i.e. 49.0 to 50.5 Hz remained more or less comfortable.
- Percentage of time frequency remaining below 49.0 Hz. has shown improvement in the month of May'07. However, during June'07 and July'07 has marginally increased.
- The frequency profile above 50.5 Hz during the above months was found to be insignificant.

(B) PERFORMANCE REVIEW

Description	Average (MU)/Month			July'06	July'07	% Increase
	May'06 to July'06	May'07 to July'07	% Increase			
Net Generation (MU)/Month	6400	7060	10.3	6412	7055	9.93
Net Central Sector Thermal Generation (MU)/Month	2121	2127	0.32	1869	1888	1.02
Import from CPPs in (MU)/Month	131	117	(-)12.34	131	77.14	(-)41.1
ER Consumption (MU)/Month	5475	6103	11.45	5607	6141.72	9.54
Net Export to Outside Region (MU)/Month including transmission loss	1017	1023	0.61	899	933	3.78

Description	May'06 to July'06	May'07 to July'07	% Increase	July'06	July'07	% Increase
Regional Peak Demand (MW) Met	9427	10162	7.79	9427	9899	5.00
Peak Export (MW)	2776	3522	26.87	2405	3522	46.44

(C) EXPORT

MONTHLY AND CUMULATIVE EXPORT OF POWER FROM ER DURING JULY,2007(BASED ON SEM FIGURES)

Region	Export in MU (during 2007-08)		Export in MU (during 2006-07)		% Growth *	
	During July'07	Cumulative 2007-2008 (Apr'07 to July'07)	During July'06	Cumulative 2006-2007 (Apr'06 to July'06)	During July'07	Cumulative 2007-2008 (Apr'07 to July'07)
To						
NR	1140	3037	435	1315	162.1	130.9
WR	287	1520	556	2612	-48.3	-40.8
SR	0	365	44	260	-100	40.5
NER	0	0	0	40	-	-100
TOTAL	1428	4923	1035	4227	38.0	16.5

* As compared to similar period during 2006-07.

**MONTHLY AND CUMULATIVE IMPORT OF POWER BY ER
DURING JULY,2007 (BASED ON SEM FIGURES)**

Region	Import in MU (during 2007-08)		Import in MU (during 2006-07)		% Growth *	
	During July'07	Cumulative 2007-2008 (Apr'07 to July'07)	During July'06	Cumulative 2006-2007 (Apr'06 to July'06)	During July'07	Cumulative 2007-2008 (Apr'07 to July'07)
NR	0	0	0	0	--	--
WR	0	0	0	0	--	--
SR	271	417	0	0	--	--
NER	224	451	136	262	64.7	72
TOTAL	495	868	136	262	263.7	231
Net Export from ER	933	4055	899	3965	3.8	2.3

* As compared to similar period during 2006-07.

- In the month of July,2007 the export of energy to NR has increased by 162% as compared to July,2006 However, the same to WR has reduced by 48.3%. This is due to synchronisation of NR with Central Grid on 26.08.2006.
- The net energy export from ER to other regions during July, 2007 has increased by 3.8% as compared to the same period last year.
- The net energy export (Cumulative) during the period April'07 to July'07 has increased by 2.3 % as compared to the same period of 2006-07.
- The import of energy to the tune of 271 MU and 146 MU from SR to ER took place during July and June, 2007 instead of usual export to SR (allocation of ISGS from ER to SR is 155 MW).

(D) IMPORTANT EVENTS

- 315 MVA 400 / 220 kV ICT-II at Muzaffarpur S/S commissioned on 31.05.07 at 18:40 hrs.
- 80 MVAR Bus Reactor at Biharshariff 400 kV S/S commissioned on 01.06.07 at 16:33 hrs. under BARH Project.
- 400 kV Kahalgaon-Patna Line-I was charged and commissioned on 14.04.07.
- 400 kV Patna-Balia line was charged and commissioned on 17.04.07.
- PSS tuning of all the four units (80 MW each) of Upper Kolab HPS in Orissa was successfully carried out from 25th to 29th June 2007.
- 4th & 5th units of Tala HPS were under commercial operation with effect from 18.07.07 & 01.08.07 respectively.

- Purulia PSP U # 4 (225 MW) of WBSEDCL was test synchronised for the 1st time at 16:05 hrs on 13.07.07.
- Barauni TPS of BSEB U # 6 (110 MW) was synchronised after R&M on 25.07.07.
- Reverse power flow (SR to ER) upto 500 MW on HVDC Talcher-Kolar Bi-pole was carried out for the 1st time on 26.07.07.
- Testing of HVDC Talcher-Kolar Bi-pole after completion of augmentation work was carried out on 30.07.07 and 2500 MW Bi-pole power flow was achieved from ER to SR.
- 1 x 80 MVAR bus reactor has been commissioned at Ranchi S/S on 10.08.07.
- 15 MW power supply from NR to ER (Garwah 132 kV S/S of JSEB) through 132 kV Rihand (Pipri)-Garwah S/C line was made available.

TCC may please note

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

A committee was constituted by ERPC at Regional Level with the representatives of JSEB, BSEB, PGCIL, ERLDC and ERPC to assess the extent of damages and preparation of the cost estimate for its restoration.

The Committee decided that all the three circuits would be restored on the existing route. The survey work of D/C and S/C 220 kV Patratu-Bodhgaya line has been completed by Powergrid & JSEB/BSEB and cost estimate was also prepared. The approval of cost estimates from JSEB is still awaited.

JSEB is requested to expedite the decision on cost estimate so that it does not become outdated and restoration work can be taken up expeditiously.

ITEM NO.4 EVACUATION OF TENUGHAT TPS POWER AT 400 kV

The power evacuation system of Tenughat TPS (2 x 210 MW) consists of 400 kV Tenughat-Biharshariff S/C line and Tenughat-Patratu 400 kV S/C line, however, these lines are **presently charged at 220 kV level**. Further, evacuation of power from PTPS is restricted due to non-availability of 220 kV Patratu-Bodhgaya T/C.

The issue was discussed in the previous TCC meeting wherein JSEB informed that the cost estimates along with its break up for detouring of 400 kV Tenughat-Biharshariff (PGCIL) was approved by the Board and the draft agreement letter was sent to PGCIL on 14.06.07. The entire cost of conversion of the line would be borne by TVNL.

Powergrid & JSEB/ TVNL are requested to furnish the present status.

ITEM NO.5 IMPLEMENTATION OF THE RECOMMENDATIONS OF PROTECTION COMMITTEE BY BSEB / JSEB

In the 17th OCC meeting the representative from Powergrid intimated that the requisite 220kV CTs for commissioning of bus bar differential protection scheme at Biharshariff S/S was expected to be received by October, 2007 from M/s AREVA on which the order had been placed.

In the same meeting, BSEB representative informed that the order for new protective relays for Bodhgaya S/S would be placed after approval of their Board and the work would be completed within December, 2007.

Regarding procurement of relays for Patratu TPS, JSEB representative informed that action was being taken for placing order on M/s ALSTOM.

Powergrid / BSEB / JSEB representatives may please intimate further progress in this regard.

As per the decision taken in the last TCC meeting held on 18.06.07, a team of engineers from BSEB, JSEB, Powergrid, ERLDC and ERPC visited 220 kV Biharshariff, Fatuah, Khagaul and Bodhgaya S/Ss of BSEB during 25th to 27th July 2007 for assessment of the balance work of protective system to be completed in respect of above sub-stations of BSEB. The observations made by the team were placed in the 17th OCC meeting for review. Similar visit by the team to Jamshedpur 400 kV S/S of Powergrid and Ramchandrapur 220 kV S/S of JSEB is scheduled in the month of September 2007.

This is for information of TCC.

ITEM NO.6 STUDY OF PSS TUNING FOR GENERATING UNITS IN ER

As informed in the last TCC meeting held on 18.06.07 at Vedic Village, Kolkata, the field tuning of PSS for Upper Kolab HPS units (4 x 80 MW) of OHPC was carried out successfully during 25th to 29th June 2007. In the 17th OCC meeting, OHPC representative intimated that after successful PSS tuning of Upper Kolab HPS, all the units have overcome the problem of instability and are now working satisfactorily with present parameter settings of PSS.

The next PSS tuning would be taken up for Farakka STPS Unit No. 4 & 5 (500 MW each) of NTPC during September 2007 subject to availability of experts from M/s BHEL.

In order to develop a team for carrying out PSS tuning activity at various sites, M/s BHEL has proposed to depute one more engineer along with the expert, Shri K. Parthasarathy, on chargeable basis. This proposal and additional expenditure involved may be discussed So the cost expenditure towards expert service of M/s BHEL would be enhanced substantially.

This is for kind information of the TCC.

ITEM NO.7 ISSUE RAISED BY WBSETCL

ESTABLISHMENT OF CONNECTIVITY OF WBSETCL SYSTEM WITH DALKHOLA 220 KV SWITCHING STATION OF POWERGRID.

With the increase in peak demand of Malda, Dinajpur (North & South) districts of West Bengal to about 175 MW, there is hardly any capacity margin (reaching 150 MW) available in the ICTs at Malda S/S through 132 kV Malda (Powergrid)-Malda tie line. Further, 132 kV Teesta Canal Fall-Dalkhola line meets the balance requirement of the above loads.

220 kV Dalkhola Switching Sub-station of Powergrid is situated in close proximity of the existing Dalkhola 132 / 33 kV S/S of WBSETCL and connected with 220 kV Purnea S/S through a 220 kV D/C line to feed power to Bihar. With the commissioning of 400 / 220 kV S/S at Purnea under Tala Transmission Scheme, power drawal from 220 kV Dalkhola to Purnea S/S has become insignificant.

In order to provide reliable power supply to the above districts in North Bengal, WBSETCL has contemplated upgradation of its 132 / 33 kV S/S of Dalkhola to 220 / 132 / 33 kV S/S during 11th Plan with a 220 kV D/C connection between Dalkhola 220 kV (Powergrid) S/S and Dalkhola 220 / 132 / 33 kV S/S of WBSETCL. This line will be utilised only for drawal of power from CTU system. The above proposal was placed in the last meeting of Standing Committee of Transmission Planning convened by CEA on 05.05.07 at Puri wherein it was suggested that for any connectivity with CTU system by STU, the issue should be settled bilaterally.

Under the circumstances WBSETCL proposes to establish the connectivity of 220 kV Dalkhola (Powergrid)-Dalkhola (WBSETCL) D/C tie line for drawal of power from CTU to be implemented at WBSETCL's cost.

Powergrid may please opine.

COMMERCIAL MATTERS

ITEM NO.8 ALLOCATION OF SHARE FROM TALA HEP, BHUTAN

In the last ERPC meeting held on 19.06.2007, all the beneficiary members expressed their dissatisfaction on the diversion of equivalent thermal power from the existing ISGS stations of ER while making allocation of power of Tala HEP to ER. This has caused considerable financial burden on the Eastern Regional constituents. After detailed deliberation in the ERPC meeting, a resolution was passed. It was decided that the Resolution would be forwarded to the Secretary, MOP, Government of India. The draft copy of the Resolution was circulated among the concerned members of ERPC for suggestion. The final Resolution was sent to the Secretary, MoP, GoI, New Delhi by the Chairperson ERPC vide D.O. letter no. ERPC/TCC & Board/2007/2400 dated 18.07.2007.

It is informed that CEA has recommended to the MoP, GoI that the allocation to constituents of Eastern Region in Kahalgaon Stage-II may be substituted by allocation from old units of Farakka and Kahalgaon Stage-I to the extent possible. This will enable the restoration of the original firm power allocation from Farakka and Kahalgaon Stage-I stations to the Eastern Region constituents to the extent of 336 MW.

This is for the information of members.

ITEM NO. 9 ISSUE RAISED BY NHPC

DEEMED GENERATION OF RANGIT HPS DURING THE PERIOD OF FLOOD AND RESTORATION THEREOF

It has been reported by NHPC that on 11.07.2006 at 00:30 hrs, a flash flood was observed at the Dam site of the Rangit Power Station with a discharge of 1405 Cumecs. The flash flood carried lot of wooden logs, silt and mud. The reported silt content was 51451 PPM. All the three machines were in operation at full load at that time. Due to unprecedented floods carrying huge silt, trash, etc., all the three machines had to be desynchronised and shut down at 01:30 hrs.

NHPC has further reported that, as the silt removal process continued on 13.07.2006, the power station got flooded through a cooling water pipe which is tapped from the penstock. The Power Station upto EL 501 M i.e. service bay level was submerged, thus flooding various equipment such as turbines, generators, excitation panels, drainage/de-watering panels, motors etc. All the three units were synchronised after restoration as given below :

- | | | |
|------|-----------|------------|
| i) | Unit-I : | 01/10/2006 |
| ii) | Unit-II : | 18/10/2006 |
| iii) | Unit-III: | 13/10/2006 |

Clause no. 41 of the CERC regulations, dated 26.03.2004 states that “(1) *In case of reduced generation due to the reasons beyond the control of generating company or on account of non-availability of Board’s / transmission licensee’s transmission lines or on receipt of backing down instructions from the concerned Regional Load Despatch Centre resulting in spillage of water, the energy charges on account of such spillage shall be payable to the generating company. Apportionment of energy charges for such spillage among the beneficiaries shall be in proportion of their shares in saleable capacity of the generating station. (2) Energy charges on the above account shall not be admissible if the energy generated during the year is equal to or more than the design energy.*”

NHPC has claimed that the above case of stopping of the power station on 11.07.2006 and the flooding of the power station on 13.07.2006 and the consequent loss of generation till the restoration of the units after flooding

is beyond the control of the generator i.e. NHPC. The committee constituted by the Central Electricity Authority (CEA) vide order no. CEA/5-41(18).Secy./2006/740 dated 05.09.2006 to investigate into the flooding of the Rangit Power Station has not found any operational lapse, thus justifying that the flooding could not have been avoided under the circumstances.

NHPC has submitted the details of the inflow, total generation possible with this inflow, Actual Generation, Design Energy and the Deemed Generation for the affected period.

In view of the above, NHPC has requested certification of deemed generation to the extent of 137.51 MU for the year 2006-07 for the Rangit Power Station.

The details of deemed generation claimed by NHPC for the above period are enclosed at **Annexure – I**.

Members may please discuss.

ITEM NO.10 POWER FLOW FROM KORBA TO BUDHIPADAR IN THE MONTH OF JUNE' 2007 THROUGH 220 kV BUDHIPADAR-KORBA LINES

OPTCL. vide letter dated 13.08.07 addressed to WRPC, copy endorsed to ERPC, intimated that in the month of June,07, the power flow had taken place from Korba to Budhipadar for the first time as against the normal flow from Budhipadar to Korba so far and it is not clear to whom OPTCL would raise transmission charge bills for June,07. OPTCL has requested to discuss the issue in ERPC forum.

In the monthly REA prepared and issued by ERPC, only schedules of respective ER constituents and respective region as a whole are considered. The actual power flow through the associated lines do not come in the purview of REA under ABT mechanism. On the other hand, WRPC in their REA shows apportionment of scheduled energy via Budhipadar for claiming wheeling charge/transmission charge by GRIDCO & CSEB. The basis for this apportionment is not known to ERPC. However, from the REA issued by WRPC for June,07, it is seen that negative figures have been shown booked to respective WR constituents for power flow through Budhipadar-Korba lines. The actual meter readings (SEMs) for June,07 were also collected which were as under :

220 kV Budhipadar – Korba I	:	18.111 MU (RAIGARH)
220 kV Budhipadar – Korba II	:	-13.505 MU
220 kV Budhipadar – Korba III	:	- 11.788 MU

OPTCL may please elaborate the methodology being followed at present for recovery of transmission charges through 220 KV D/C Budipadar-Korba Line of OPTCL.

TCC members may please discuss.

ITEM NO. 11 SCHEDULE OF TALCHER STPS (STAGE-II) THROUGH ER TRANSMISSION SYSTEM IN THE MONTH OF JULY 2007.

In the month of July 2007, Bi-pole / Single pole of HVDC Talcher-Kolar link were under shut down from 09:26 hrs of 20.07. 07 to 17:48 hrs of 27.07.07 for upgradation of its capacity from 2000 MW to 2500 MW. ERLDC, vide its letter dated 02.08.07, intimated that during the period of above shut down of HVDC Talcher-Kolar poles, Talcher STPS (Stage-II) generation was scheduled through ER network.

Since ER networks have been utilized for scheduling of TSTPP Stage-II generation to SR, in the REA prepared and issued by ERPC Secretariat for the month of July 2007, proportionate ER transmission charge has been booked to SR. This has provided a relief to the extent of 7.23% of the aggregate transmission charge of ER to the ER constituents during the month of July 2007. In future, such cases would be treated on similar lines.

This is for information of the members.

ITEM NO. 12 COMMERCIAL OPERATION OF TRANSMISSION ASSETS

The declared dates of Commercial Operation of the following transmission assets which were discussed, deliberated and accepted in the 5th meeting of Commercial Sub-Committee meeting held on 14.07.07 at Kiriburu are given below :-

Sl. No.	Name of the Element	Date of Commercial Operation
1.	400 / 220 kV, 1 x 315 MVA ICT – II along with associated bay at Muzaffarpur S/s	01.06.2007
2.	400 kV D/C Maithon-Ranchi line along with associated bays.	01.06.2007
3.	400/220 kV 315 MVA ICT-II along with 400 kV and 220 kV bays at Ranchi	01.06.2007
4.	LILO of 220 kV Patratu-Chandil line at Ranchi S/S along with associated bays at Ranchi S/S	01.06.2007
5.	80 MVAR bus reactor and associated bays at Biharshariff S/S	01.07.2007

It was further decided in the Commercial Sub-Committee Meeting that, in future, proposal for acceptance of DOCO would be furnished by

Powergrid to ERPC in appropriate format indicating therein the information regarding approval in Standing Committee Meeting, vetting in ERPC Meeting, Associated Transmission System etc. ERPC is in the process of developing the format in consultation with all utility constituents of ER. The draft format would be placed in the next Commercial Sub-Committee Meeting for approval.

TCC members may please agree to the above.

ITEM NO:13 REQUIREMENT OF NEW SEMs AND DCDs

In the 111th EREB meeting, constituents agreed for procurement of 407 Special Energy Meters (SEMs :377 Nos. A-Type & 30 B-Type) and 19 DCDs. Accordingly, POWERGRID started procurement action and supply are being made in phases. In the 5th Commercial Sub-Committee meeting (CCM) held on 14.07.07, POWERGRID requested for approval of further procurement of 119 SEMs & 64 DCDs the requirement of which has been assessed by Powergrid in consultation with ERLDC. Powergrid has estimated that an additional cost of **Rs. 63 lakhs** would be involved. The necessary details are as follows:

- i) SEMs A – Type : 112 Nos. ; ii) SEMs B – Type: 7 Nos. ;
- iii) DCDs : 64 Nos.

Break -up

Total Requirement of Meters :

Sl. No.	DETAILS	“A” TYPE	“B” TYPE
01.	Replacement of existing Meters	322	33
02.	Requirement for future Projects	122	--
03.	Spare Requirement	45	04
04.	Total Requirement	489	37
05.	Ordered Quantities	377	30
06.	Additional / Balance Requirement	112	07

Requirement of DCDs :

Sl. No.	NAME OF UTILITY	NO. OF DCDs REQUIRED
01.	NTPC	08
02.	NHPC	04
03.	THPA	02
04.	WBSEB, DVC & SIKKIM	08
05.	GRIDCO	06
06.	JSEB	04
07.	BSEB	10

08.	ERLDC	01
09.	POWERGRID SUBSTATIONS	32
10.	SPARE	08
11.	TOTAL REQUIREMENT	83
12.	ORDERED QUANTITY	19
13.	ADDITIONAL / BALANCE REQUIREMENT	64

The issue was discussed and deliberated at length in the above Commercial Sub-Committee meeting. The Commercial Committee members agreed to the proposal of POWERGRID for phase-wise procurement of additional SEMs and DCDs. It was further decided that POWERGRID would circulate the location-wise details of all the meters and DCDs among the constituents. The constituents would examine the same and forward their comments, if any, to POWERGRID under intimation to ERPC secretariat for discussion in the next Commercial Sub-Committee meeting. Subsequently, after the meeting, POWERGRID circulated a list among the constituents indicating the locations of SEMs for their scrutiny.

TCC members may like to discuss and formally agree to above.

ITEM NO: 14 AMC FOR EXISTING SEMs AND DCDs

POWERGRID intimated that AMC of Rs. 5.0 Lakh p.a. for existing SEMs & DCDs being shared by the constituents is expiring in September' 2007.

As the replacement of all the existing meters will not be possible within Sept.'07, the existing AMC may be renewed for one more year. POWERGRID desired constituents to agree to above proposal.

In the last CCM, the members agreed with the proposal of Powergrid for the renewal of the existing Annual Maintenance Contract for a further period of one year at a cost of Rs.5 lakhs per annum.

TCC members may please agree.

ITEM NO:15 REPLACEMENT OF BPL MAKE 400 kV KAHALGAON BIHARSHARIFF LINE – I & LINE – II PANELS AT BIHARSHARIFF END

Powergrid reported in the 5th Commercial Sub-Committee Meeting held on 14.07.2007 that the existing PLCC panels (BPL make – Model : 6505) used for 400 kV Kahalgaon – Biharshariff Line I & Line II at Biharshariff end are old and their spares are not available. These are to be replaced with new ones (06 Nos. Panels for protection and 01 No. Panel for Speech & data) and the tentative cost for these 07 Nos.Panels at Biharshariff end will be Rs. 28 Lakhs. POWERGRID desired constituents to agree to above proposal.

The Commercial Sub-Committee members agreed with the proposal of the Powergrid for replacement of the existing seven number of PLCC panels used for 400 kV Kahalgaon-Biharshariff Line I and Line-II at Biharshariff end with new panels at a total cost of Rs. 28 lakhs.

TCC members may please agree.

ITEM NO. 16 DISCUSSION ON CERC PROPOSALS

CERC had circulated the following Discussion Papers:

- (i) Proposed Approach for Sharing of Charges for and Losses in Inter-State Transmission System(ISTS)
- (ii) Revised Scheme of Incentive and Dis-incentive for Thermal Generating Stations

A meeting of the TCC members of the beneficiary constituents of ISGS/ISTS of Eastern region was held at ERPC, Kolkata on 31.07.2007 to have a detailed deliberation on “.Proposed Approach for Sharing of Charges for and Losses in Inter-State Transmission System(ISTS)”. CERC in the Discussion Paper had circulated six proposals namely:

- a) Sharing of Transmission Charges for Regional System by Beneficiaries
- b) Sharing of Transmission Charges for future addition/ augmentation
- c) Sharing of Transmission Charges for Inter-Regional Links
- d) Apportioning of Transmission Charges
- e) Treatment of Unscheduled interchange(UI)
- f) Further Rationalisation

Consensus views of the meeting were conveyed to CERC vide ERPC letter no: ERPC/SE(C)/Tran System/ 2007/2848-55 dated 01/08/2007.

A public hearing was held on the above issues on 10.08.2007 at New Delhi in which a number of constituents of the Eastern Region presented their views.

Further, Member Secretary, ERPC convened a meeting of the members of the beneficiary constituents of NTPC in the Eastern Region, ERLDC, ERPC and NTPC on 30.08.2007 for detailed discussion on the “.Revised Scheme of Incentive and Dis-incentive for Thermal Generating Stations”. The views of the beneficiary constituents of the Eastern Region were forwarded to CERC vide ERPC letter no: ERPC/SE(C)/CERC/2007/3440-47 dt.31.08.2007.

This is for the information of the members

ITEM NO. 17 INCENTIVE ENERGY STATEMENT FOR NTPC STATIONS IN EASTERN REGION FOR THE PERIOD APRIL, 2007 TO JUNE, 2007.

The provisional incentive energy statement for the period from April'07 to June'07 in respect of NTPC stations in ER was issued by ERPC Secretariat vide letter No. ERPC/COM-I/REA/2007/3016-43 dated 10.08.07. The Incentive Energy payable by the beneficiaries of NTPC stations in ER are depicted in **Annexure –II**. The quantum of incentive energy receivable by NTPC stations in ER during the above period are as under :

Farakka STPS (Stage – I) : **348245.08 MWH**
Kahalgaon STPS (Stage – I) : **303133.81 MWH**
Talcher STPS (Stage – I) : **270759.42 MWH**

This is for kind information of the TCC Members

ITEM NO:18 A) PAYMENT OF UI -- PRESENT STATUS

Summary of UI Receipt / Payment status for bills up to 26.08.2007 (week – 21 of 2007-08) as received from ERLDC is indicated at **Annexure-III A**

TCC Members may please note.

B) REACTIVE ENERGY CHARGES -- PRESENT STATUS

The updated position of Receipt / Payment in the Pool as on 06.09.07 on account of Reactive Energy Charges as per published account up to 26.08.07 is indicated at **Annexure-III B**.

TCC Members may please note.

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

The status of settlement of IRE account amongst ER-SR & ER-NR as on 10.09.2007 are as follows :

ER-SR

- IRE account reconciled and partially settled with SRLDC upto the week ending 24.06.07 for the year 2007-08.

ER-NR

- As per calculation net IRE amount receivable from NR up to 28.08.06 is **Rs.11264.63780 lac** out of which an amount of **Rs.1947.21874 lac** has been received from NR IRE account and the same amount has been transferred to Power Grid Corporation of India Ltd for giving credit to the transmission service charges bill of ER constituents.

Members may please note.

ITEM NO.19 ANY OTHER POINT WITH PERMISSION OF THE CHAIR

CALCULATION OF THE DEEMED GENERATION OF THE RANGIT POWER STATION
DURING FLOODING FROM 11/07/2006 TO 18/10/2006

TOTAL DISCHARGE THROUGH THE 3 NOS. UNITS (3X20MW) IS 52.20 CUMECS

DATE	Inflow in Cumecs	Total Generation (Mus) Possible with this inflow	Actual Generation (Mus)	Deemed Generation (Mus) (Based on inflow)
11-Jul-06	418.21	11.54	0.088	1.352
12-Jul-06	220.00	6.07	0.000	1.440
13-Jul-06	223.00	6.15	0.000	1.440
14-Jul-06	196.00	5.41	0.000	1.440
15-Jul-06	203.00	5.60	0.000	1.440
16-Jul-06	276.00	7.61	0.000	1.440
17-Jul-06	200.00	5.52	0.000	1.440
18-Jul-06	216.00	5.96	0.000	1.440
19-Jul-06	265.00	7.31	0.000	1.440
20-Jul-06	260.00	7.17	0.000	1.440
21-Jul-06	337.00	9.30	0.000	1.440
22-Jul-06	239.00	6.59	0.000	1.440
23-Jul-06	206.00	5.68	0.000	1.440
24-Jul-06	207.00	5.71	0.000	1.440
25-Jul-06	288.00	7.94	0.000	1.440
26-Jul-06	363.00	10.01	0.000	1.440
27-Jul-06	250.28	6.90	0.000	1.440
28-Jul-06	209.00	5.77	0.000	1.440
29-Jul-06	213.00	5.88	0.000	1.440
30-Jul-06	255.45	7.05	0.000	1.440
31-Jul-06	198.00	5.46	0.000	0.000
01-Aug-06	203.00	5.60	0.000	1.440
02-Aug-06	257.00	7.09	0.000	1.440
03-Aug-06	375.00	10.34	0.000	1.440
04-Aug-06	358.00	9.88	0.000	1.440
05-Aug-06	195.39	5.39	0.000	1.440
06-Aug-06	223.00	6.15	0.000	1.440
07-Aug-06	207.00	5.71	0.000	1.440
08-Aug-06	209.00	5.77	0.000	1.440
09-Aug-06	192.00	5.30	0.000	1.440
10-Aug-06	170.00	4.69	0.000	1.440
11-Aug-06	170.00	4.69	0.000	1.440
12-Aug-06	238.00	6.57	0.000	1.440
13-Aug-06	152.41	4.20	0.000	1.440
14-Aug-06	204.00	5.63	0.000	1.440
15-Aug-06	212.00	5.85	0.000	1.440
16-Aug-06	171.00	4.72	0.000	1.440
17-Aug-06	126.95	3.50	0.000	1.440
18-Aug-06	111.11	3.07	0.000	1.440
19-Aug-06	129.23	3.56	0.000	1.440
20-Aug-06	251.26	6.93	0.000	1.440
21-Aug-06	207.11	5.71	0.000	1.440
22-Aug-06	169.05	4.66	0.000	1.440
23-Aug-06	197.67	5.45	0.000	1.440
24-Aug-06	141.30	3.90	0.000	1.440
25-Aug-06	155.70	4.30	0.000	1.440
26-Aug-06	264.56	7.30	0.000	1.440
27-Aug-06	190.30	5.25	0.000	1.440
28-Aug-06	163.60	4.51	0.000	1.440
29-Aug-06	169.00	4.66	0.000	1.440
30-Aug-06	257.00	7.09	0.000	1.440
31-Aug-06	174.30	4.81	0.000	0.000
01-Sep-06	159.08	4.39	0.000	1.440
02-Sep-06	152.12	4.20	0.000	1.440
03-Sep-06	154.52	4.26	0.000	1.440
04-Sep-06	138.04	3.81	0.000	1.440
05-Sep-06	131.70	3.63	0.000	1.440

**CALCULATION OF THE DEEMED GENERATION OF THE RANGIT POWER STATION
DURING FLOODING FROM 11/07/2006 TO 18/10/2006**

TOTAL DISCHARGE THROUGH THE 3 NOS. UNITS (3X20MW) IS 52.20 CUMECS

06-Sep-06	123.49	3.41	0.000	1.440
07-Sep-06	115.01	3.17	0.000	1.440
08-Sep-06	114.37	3.16	0.000	1.440
09-Sep-06	144.21	3.98	0.000	1.440
10-Sep-06	118.47	3.27	0.000	1.440
11-Sep-06	275.20	7.59	0.000	1.440
12-Sep-06	436.20	12.03	0.000	1.440
13-Sep-06	389.00	10.73	0.000	1.440
14-Sep-06	311.70	8.60	0.000	1.440
15-Sep-06	301.90	8.33	0.000	1.440
16-Sep-06	219.00	6.04	0.000	1.440
17-Sep-06	178.18	4.92	0.000	1.440
18-Sep-06	160.07	4.42	0.000	1.440
19-Sep-06	139.04	3.84	0.000	1.440
20-Sep-06	135.18	3.73	0.000	1.440
21-Sep-06	150.27	4.15	0.000	1.440
22-Sep-06	153.34	4.23	0.000	1.440
23-Sep-06	219.62	6.06	0.000	1.440
24-Sep-06	231.59	6.39	0.000	1.440
25-Sep-06	328.18	9.05	0.000	1.440
26-Sep-06	226.68	6.25	0.000	1.440
27-Sep-06	174.97	4.83	0.000	1.440
28-Sep-06	154.96	4.27	0.000	1.440
29-Sep-06	144.16	3.98	0.000	1.440
30-Sep-06	129.56	3.57	0.000	1.440
01-Oct-06	99.56	2.75	0.159	1.281
02-Oct-06	115.50	3.19	0.019	1.421
03-Oct-06	154.80	4.27	0.000	1.440
04-Oct-06	230.46	6.36	0.046	1.394
05-Oct-06	148.21	4.09	0.133	1.307
06-Oct-06	119.08	3.28	0.000	1.440
07-Oct-06	109.61	3.02	0.000	1.440
08-Oct-06	112.56	3.11	0.000	1.440
09-Oct-06	157.50	4.34	0.000	1.440
10-Oct-06	123.56	3.41	0.000	1.440
11-Oct-06	70.08	1.93	0.000	1.440
12-Oct-06	107.72	2.97	0.000	1.440
13-Oct-06	138.90	3.83	0.032	1.408
14-Oct-06	96.47	2.66	0.210	1.230
15-Oct-06	64.64	1.78	0.492	0.948
16-Oct-06	59.71	1.65	0.495	0.945
17-Oct-06	63.89	1.76	0.478	0.962
18-Oct-06	51.86	1.43	0.663	0.768
TOTAL		533.015	2.815	138.296

Design Energy in Mus: 338.610

Actual Generation in Mus: 201.100

Maximum Deemed Generation in Mus(DE-Act. Gen) 137.510
Permissible:

Deemed Generation in MUs as per our calculations: 138.295

Deemed Generation in MUs to be claimed: 137.510

Note: (i) On 31/07/2006 and 31/08/2006 is considered for the silt flusing

(ii) All the units of the Rangit Power Station had been restored after flooding till 18/10/2006

EASTERN REGIONAL POWER COMMITTEE :: KOLKATA

INCENTIVE ENERGY FOR THE PERIOD APRIL'07 TO JUNE'07

(Provisional)

ALL FIGURES IN MWH

	FSTPS Stage-I	KhSTPS Stage-I	TSTPS Stage-I
BENEFICIARIES			
ER:			
BSEB	89850.78	91863.79	96162.53
JSEB	25393.39	10618.62	15485.01
DVC	7323.34	0.00	842.04
GRIDCO	33710.05	35291.21	86389.63
WBSEB	108117.89	6128.50	24158.61
SIKKIM	6748.39	5087.44	6519.99
Sub-Total	271143.83	148989.56	229557.81
SR:			
APTRANSCO	0.00	0.00	0.00
KPTCL	0.00	0.00	0.00
TNEB	20820.73	12141.01	10595.02
KSEB	0.00	0.00	0.00
PONDICHERRY	0.00	0.00	0.00
Sub-Total	20820.73	12141.01	10595.02
WR:			
CSEB	2524.29	1993.24	1658.09
GUVNL	0.00	0.00	0.00
MPSEB	5018.74	4076.52	3642.36
MSEB	15559.98	11465.83	11184.91
Dadra & Nagar Haveli	1075.93	849.58	706.73
Daman & Diu	1075.93	849.58	706.73
GOA	273.74	88.08	101.06
Sub-Total	25528.61	19322.83	17999.86
NR:			
UPPCL	7850.20	36300.34	3617.22
Punjab	1522.40	21312.63	0.00
Rajasthan	4105.09	13318.41	2159.05
J & K	2988.77	14413.51	1514.57
Haryana	802.85	10677.18	0.00
DTL	1536.15	21290.12	0.00
Sub-Total	18805.46	117312.19	7290.85
NER			
ASSAM	9379.60	3374.68	3631.54
TRIPURA	0.00	0.00	0.00
MEGHALAYA	2566.85	1993.53	1684.34
Sub-Total	11946.45	5368.22	5315.88
GRAND TOTAL	348245.08	303133.81	270759.42

NOTE ;

1.Incentive energy apportioned as per CERC order dated 22.02.2005.

SUMMARY OF UI RECEIPT AND PAYMENT STATUS

BILL UPTO 26.08.2007(Week -21 of 2007-08)

Last Payment Disbursement Date-06.09.07

Figures in Rs. Lakhs

Constituents	Receivable	Received	Payable	Paid	Outstanding
WR	22371.03234	20911.17078	2824.85380	2824.85380	1459.86156
SR	3454.85306	3333.83498	476.98466	268.12603	-87.84055
NER	266.99297	266.99297	16300.66242	14566.93928	-1733.72314
NR	47209.70344	36566.08024	211.89384	212.19375	10643.92311
BSEB	848.36057	740.69599	3693.22098	3520.78226	-64.77414
JSEB	2010.83897	1909.60172	2566.49559	2566.49559	101.23725
DVC	2021.70279	2021.70279	7019.58258	4746.11090	-2273.47168
GRIDCO	0.00000	0.00000	29040.63216	24816.24033	-4224.39183
WBSEDCL	1920.84992	1920.84992	12752.73228	10329.02808	-2423.70420
SIKKIM	16.50067	16.50067	1456.04956	1024.43613	-431.61343
NTPC	0.00000	0.00000	2840.29106	2205.26585	-635.02521
NHPC	30.85689	3.58104	31.13393	24.87135	21.01327
Transfer to IRE	0.00000	0.00000	937.15876	585.66775	-351.49101
Total	80151.69162	67691.0111	80151.69162	67691.01110	

% Realization

84.45 As on 06.09.07

0.00000

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 26.08.07 (2007-08)

As on 06.09.07

Constituent	Amount Receivable in the pool (Rs.)	Amount Received in the pool (Rs.)	Outstanding (Rs.)
WBSEB	770246	770246	0
Total	770246	770246	0