EASTERN REGIONAL POWER COMMITTEE

14, GOLF CLUB ROAD, TOLLYGUNGE

KOLKATA-700033

MINUTES OF THE 37th OCC MEETING HELD AT ERPC, KOLKATA ON 17.04.2009 (FRIDAY) AT 11:00 HRS

List of participants is enclosed in Annexure-I.

Dr. L. Hari GM, ERLDC chaired the meeting and welcomed the delegates in the 37th OCC meeting. GM, ERLDC in his introductory speech informed that the minimum grid frequency to be maintained now, is 49.2 Hz & not 49.0 Hz and as per new terms & tariff policy for the period 2009 - 2014 scheduling of thermal power stations under coal shortage condition has been started from the 1st day itself i.e. 01.04.2009 for NTPC, Kahalgaon units. He expressed that frequency remained 98.07 % of time in IEGC band & the average regional energy consumption in March, 2009 was 269 MU. He then briefly reviewed the highlights of grid performance in 2008 – 2009. He stated that capacity addition of 5500 MW (5000 MW in the central & 550 MW in state sector) was done in 2008 – 2009. Hydro generation in 2008 – 09 was low due to less rain fall in Orissa (in state) and outage of Teesta units (in central sector). Regarding inter regional exchange he said that this year WR is injecting power to ER. He expressed concern over outage of FSC in 400 KV Jaypore – Gazwaka Transmission line. He requested Powergrid to restore the FSC at the earliest.

Thereafter, he requested Shri. S. N. Kayal, SE (operation), ERPC to take up agenda points for discussions.

ITEM NO. 1 CONFIRMATION OF THE MINUTES OF THE 36th OCC MEETING OF ERPC HELD AT HOTEL OBEROI, GRAND ON 24.03.200

The minutes were circulated vide letter no. ERPC / SE (OPRN)/ OPERATION/2009/7966-8112 dated 31.03.2009

No comments have been received from any of the constituents. Hence, the minutes of the above meeting are confirmed.

ITEM NO. 2 REVIEW OF THE GRID PERFORMANCE DURING MARCH, 2009

2.1 POWER SUPPLY POSITION :

The power supply position of Eastern Region for the months of March'09 & February'09 is indicated at **Annexure-I.**

- From comparison of the generation figures of' March'09 with February'09, it is observed that the net energy generation (MU) in Eastern Region (including contribution of Bhutan) has increased on per day average basis.

- The net peak demand met has increased from 11,229MW to 11,689MW
- The demand met during March'09 has increased by 460MW, as compared to February'09. The percentage of Peak shortage of ER has decreased.

The above variations are considered normal.

Members may please note.

Members noted the above.

2.2 FREQUENCY:

The frequency profile of ER for the month of' March'09 and for the months of March'08 & February'09 (for comparison) is tabulated below:

	% of time of the month frequency remained			
Month	**<49.0 Hz**	**49.0-50.5 Hz**	**50.5-51 Hz**	**>51.0 Hz**
February'09	3.25	96.69	0.06	0.00
March'09	**1.91**	**98.07**	**0.02**	**0.00**
March' 08	13.39	80.54	0.07	0.00

*****Maximum (Inst.) Frequency : **50.56 Hz** on 11.03.09 at 17:04Hrs
Minimum (Inst.) Frequency : **48.80 Hz** on 09.03.09 at 11:10Hrs

From the above table following may be observed:

- The percentage of time frequency profile in the IEGC band (i.e. 49.0 to 50.5 Hz.) during the month of March'09 has increased as compared to the previous month i.e. February'09 and has increased with respect to the corresponding month of the previous year (i.e. March'08).
- The percentage of time frequency below 49.0 Hz has decreased to 1.91% in the month of March'09, as compared to 3.25% in February' 09 and has decreased as compared to the corresponding month of the previous year (i.e. March'08).
- The percentage of time frequency remained above 50.50 Hz in the months of March'09 is insignificant.

The detailed daily frequency for the month of March'09 is enclosed at Annexure-II.

ERLDC may please comment on frequency profile observed during Mar'09.

Members may please discuss.

Members noted the above.

2.3 VOLTAGE PROFILE OF IMPORTANT SUB-STATIONS IN EASTERN REGION

Name of the sub-station	*Maximum Voltage (kV)*	*Minimum Voltage (kV)*
400 kV PURNEA	430	410
400 kV BINAGURI	434	409
400 kV BIHARSHARIFF	429	408
400 kV DURGAPUR	425	406
400 kV PATNA	436	411
400 kV JEERAT	414	376

It may be noted that during the month of March'09, voltages at Binaguri, Purnea, Patna, Biharshariff, Durgapur s/s remained on higher side, whereas minimum voltage (376 KV) at Jeerat s/s was observed on lower side particularly during peak hours.

Members may please note and discuss.

Deliberation in the meeting

Members noted the above.

2.4 UFR OPERATION IN ER

As System frequency remained above 48.5 Hz no UFR operation took place in ER grid during the month of March'09.

Members noted the above.

2.5 WATER LEVEL IN MAJOR HYDRO RESERVOIRS IN THE EASTERN REGION DURNG MARCH' 2009

Name of the Reservoirs	**Level in mtrs. on last day of the month**	
	31.03.09	**31.03.08**
Hirakud	NA	186.52
Balimela	NA	449.06
Rengali	NA	113.16
Upperkolab	NA	849.79
Indravati	NA	630.66
Subarnarekha	582.91	582.78

Members noted the above.

ITEM NO. 3 Important Events

I. KhSTPP Unit# 7 test synchronised for the first time on 31.03.2009.

II. Due to shutdown availed at Rihand end for replacement of breaker for 132kV Rihand-Garwah line from 17.03.09 to 11.04.09 132kV Rihand-Sonenagar was temporarily LILOed at Garwah to enable Garwah avail Rihand power during the period of shutdown.

III. Scheduling of 100MW power from Mejia#6(DVC) to NR(DTL) commenced w.e.f 31.03.09.

Members may kindly note.

Deliberation in the meeting

Members noted the above.

ITEM NO. 4A MAJOR TRANSMISSION LINES/ELEMENTS OUTAGES IN ER GRID

Sl. No	Description	Date Outage	Reason	Remarks
Lines / Elements under outage				
1.	315 MVA ICT-II at Maithon	16.06.08	Failure of R & Y Phase LA & Fire Hazard	***Taken into service on 31.03.09. PowerGrid may please intimate the present status Powergrid representative informed that the transformer was loaded on 30th March,2009 .***
2.	Tie bay of 400kV KhSTPP-Patna-1 at KhSTPP end.	-	--	***Was previously expected by March'09 as per earlier OCC meetings. Revised target of has been set as 15th April'09. NTPC representative informed that tie bay wil be restored by 21.04.2009.***

ITEM NO. 4B Major units outage /Maintenance:

NO.	STATION	UNIT NO.	CAP(MW)	DATE	REASONS FOR OUTAGE
1	FARAKKA	1	200	01.04.09	ANNUAL OVERHAULING
2	KhSTPP	4	210	07.04.09	ANNUAL OVERHAULING

Deliberation in the meeting

Members noted the above.

ITEM NO. 5 GRID INCIDENCES IN ER SYSTEM DURING MARCH,2009.

I. Tripping of HVDC Gazuwaka and 400KV Rengali-Indravati and 400KV Indravati-JEYPORE on 26.03.09

At 12:44 hrs of 26.03.09 due to problem at Indravati end 400kV Rengali-Indravati and 400kV Indravati-Jeypore tripped. 400kV Indravati (PG)-Indravati (O) was already under shutdown for servicing of isolators at both ends. PDO at Gazuwaka was activated due to tripping of 400kV Indravati-Jeypore. 200kV Jeypore-Jeynagar D/C also tripped from Jeynagar end only at around the same time. As a result voltage at Jeypore 400kV Bus rose and 400kV Jeypore-Gazuwaka D/C tripped on receipt of DT at Gazuwaka end leading to blocking of both Poles of HVDC Gazuwaka. HVDC Poles were deblocked and all tripped lines normalized by 14:02 Hrs.

The relay indications for Rengali & Jeypore end were as follows:

400 kV Rengali-Indravati (Rengali end):: Main-II, F/L 99% B-Ph fault.
400 kV Indravati-Jeypore (Jeypore end):: Main-II B-Ph fault 69.64 Kms from Jeypore (97%).

Considering above indications it is felt that disturbance originated due to fault at Indravati (PG) end. Powergrid may corroborate the trippings with complete sequence of events.

Members may please discuss & deliberate.

Deliberation in the meeting

Powergrid representative informed that 400 KV Indravati (PG) – Indravati (O) was under shutdown for servicing of old isolators at both ends. At the time of incidence all the isolators were open. The isolators did not have mechanical interlock. During working in the control ckt. One of the isolators got accidentally closed & caused the disturbance.

II. Tripping of units at Mejia TPS on 01.04.09

At 12:40 Hrs of 01.04.09 Bus bar differential protection for main Bus-II at Mejia TPS operated resulting in tripping of all units and lines connected to main bus-II.

The following lines / units connected to main Bus-II tripped:

i. Mejia Units# 2,3,4 (Unit#1 was previously out)
ii. 220kV CTPS-Mejia (L-202)
iii. 220kV Waria- Mejia (L-222)
iv. 220kV Mejia-Kallyneshwari (L-228)

v. 220kV Mejia-Barjora(L-231)
vi. Station sub-transformer- A

All tripped lines / units were restored by next day.

DVC may furnish reasons for operation of Differential protection for Main Bus-II alongwith analysis of sequence of events.

Members may please discuss & deliberate.

Deliberation in the meeting

DVC representative informed that that they have started their investigation on 01.04.2009. Bus differential protection for Main Bus – II operated due to external fault occurring very close to Mejia. DVC will soon bring out a detailed investigation report on the incidences with remedial measures & submit it to ERPC.

III. Repeated tripping of Pole-II of HVDC Talcher-Kolar Pole

Tripping of Pole-II of HVDC Talcher-Kolar on 03.04.09 and TSTPP Stage-II units:

At 12:08 hrs of 03.04.09 due to DC line transient E/F at Loc. No. 40 (13.18 Kms from Talcher end) Pole-II of HVDC Talcher-Kolar tripped and Pole-I went into ground return mode with 150MW flow. TSTPP Stage-II Units#5 & 6 tripped. (At TSTPP, SPS-1000 was in service and as per the scheme Unit# 6 was to be backed down by 150MW while Unit#5 was to be tripped). It was reported by TSTPP that during unloading of TSTPP Unit#6 the unit tripped. HVDC Talcher-Kolar Pole-II was deblocked at 12:22 hrs and units synchronized by 14:00 hrs.

Tripping of Pole-II of HVDC Talcher-Kolar on 04.04.09 and TSTPP Stage-II units:

At 10:34 Hrs of 04.04.09 HVDC Talcher-Kolar pole-II tripped again on DC line transient E/F at loc.14.5Km from Talcher. Consequently, Pole-II went into Ground Return mode with 150MW flow. 400kV Talcher-Meramundali-II also tripped on transient E/F (29Km from Talcher). TSTPP Stage-II Units# 5 & 6 tripped. (At TSTPP, SPS-1000 was in service and as per the scheme Unit#6 was to be backed down by 150MW while Unit#5 was to be tripped). It was reported by TSTPP that during unloading of TSTPP Unit#6, the unit tripped. HVDC Talcher-Kolar was deblocked at 10:49 Hrs and all tripped lines/units restored by 12:54 Hrs.

After repeat of similar incidents, shutdown of Pole-II was taken and clearing of forest infringement was done after patrolling.

The following points need to be discussed w.r.t the incidents:

1) **Tripping of Unit# 6 in both cases**
2) **Tripping of TSTPP-Meramundali-II on 04.04.09.**

Members may please discuss & deliberate.

Deliberation in the meeting

Powergrid representative informed that repeated tripping of HVDC Talcher – Kolar were due to growth of the trees beside the lines & some trees coming close to the lines. The trees have already been trimmed, to avoid such incidences.

IV. Tripping of lines from 400kV Jeypore/Indravati substations on 09.04.09

At 16:38 Hrs of 09.04.09 400kV Jeypore-Gazuwaka-I tripped on R-Ph fault, Zone-2 with fault locator showing 85% from Gazuwaka end. Autoreclose was successful at Jeypore end but unsuccessful at Gazuwaka end. 400KV Indravati (PG)-Indravati (O) also tripped at OHPC end due to over-voltage. 200kV Jeypore-Jeynagar D/C also tripped on overcurrent E/F at Jeynager end only. Power flow through HVDC Gazuwaka got ramped down to 675MW from 875MW consequent to above trippings. 400kV Jeypore-Gazuwaka-I was normalized at 16:40 Hrs and all other tripped lines normalized by 17:00 Hrs.

The following points may be deliberated w.r.t incident:

1) **Unsuccessful autoreclosure at Gazuwaka end**
2) **Tripping of 200kV Jeypore-Jeynagar D/C from Jeynagar end.**
3) **Power flow through HVDC Gazuwaka not being ramped down to 500MW consequent to operation of Power Demand Override on tripping of one circuit of 400kV Jeypore-Gazuwaka-I**

Members may please discuss & deliberate.

Deliberation in the meeting

GM ERLDC advised Powergrid - ER-II to review SPS and Power Demand Override in consultation with SR to avoid such situation.

ITEM NO. 6 OPERATIONAL PLANNING

(A) REVIEW OF SHUTDOWN PROPOSALS, AS APPROVED IN LAST (36th) OCC MEETING OF ERPC vis-à-vis ACTUAL SHUTDOWN/ NORMALISATION OF THE TRANSMISSION SYSTEM FOR MARCH' 2009

The actual shutdown as availed by the constituents on the basis of finalised programme during the month of March'09 as well as

planned / emergency shutdown as received from ERLDC is indicated at **Annex-III A.**

Members may please note and also furnish the additional / missing information, if any.

Members noted the above.

(B) SHUTDOWN PROPOSAL OF TRANSMISSION LINES AND GENERATING UNITS FOR THE MONTH OF APRIL'09.

The shut down proposals which are received by ERPC for the month of April' 09 are given at **Annexure – III B**.

Members may please discuss and finalize the proposed programme.

Deliberation in the meeting

All the shut down proposals as approved after deliberation in the meeting is indicated in Annexure - IIIB

(C) LGBR FOR THE MONTH OF APRIL'09 & MAY'09 (FOR THE YEAR 2009-10)

Anticipated Peak Demand (MW) and Energy Requirement (MU) for the months of April'09 & May'09.

The abstract of peak demand (MW) vis-à-vis availability and energy requirement vis-à-vis availability (MU) for the months of April'09 & May'09 has been prepared by ERPC Secretariat on the basis of finalized LGBR for 2009-10, keeping in view that the units are available for generation and expected load growth etc. The details are shown at **Annexure-IV**.

Members may please note and indicate any discrepancy of the figures arrived at.

Deliberation in the meeting

OCC members were requested to indicate any change in the peak (MW) and energy (MU) figures of requirement and availability and corresponding surplus / deficit of their respective system for the month of April and May, 2009 within 15 days. If no feed back is received from any of the constituents the figures indicated in the Annexure – IV would be treated as final.

ITEM NO. 7 COAL SUPPLY TO POWER STATIONS IN EASTERN REGION

Daily report from NTPC and other constituents regarding Coal supply position and details of generation loss on account of coal shortage are not being received. The same was agreed to by constituents in the last OCC meeting. Constituents are once again requested to furnish figures

for loss of generation in MU and maximum generation loss in MW for a day on daily basis alongwith coal stock position in the Power Stations.

Sl. No	Name of Constituents	Coal Stock Position	Daily Requirement	Loss of Generation Figures for Mar'09
1.	BSEB	Not Furnished		Not Furnished
2.	JSEB	-DO-		-DO-
3.	TVNL	Carpet Coal	6700 MT	1.6 MU per day
4.	WBPDCL Kolaghat TPS Santaldih TPS			
5.	CESC BUDGE BUDGE TITAGARH SOUTHERN NEW COSSIPORE	 123870 MT as on 31.04.09 32266 MT as on 31.04.09 37242 MT as on 31.04.09 21249 MT as on 31.04.09	 7500 MT 3600 MT 2500 MT 1700 MT	 NIL NIL NIL NIL
6.	OPTCL (Ib TPS)	224149 MT as on 14.04.09	8500MT	NIL
7.	NTPC FSTPS KhSTPP TSTPS	Not Furnished		 NIL 113.244 MU NIL
8.	DVC	-DO-		-DO-

Deliberation in the meeting

TVNL representative submitted the coal report in the meeting. GM, ERLDC explained the implication of declaring coal shortage in scheduling requested all the constituents to furnish the above data (loss of generation due to coal shortage in particular).

ITEM NO. 8 POWER SUPPLY TO AGRICULTURE SECTOR

STATE	AGRICULTURE DEMAND	AGRICULTURE DEMAND MET	SHORTFALL
West Bengal			
BIHAR			
JHARKHAND			
ORISSA			
SIKKIM			

Deliberation in the meeting

GM, ERLDC requested all the constituents to submit power report on supply to agriculture sector

ITEM NO. 9 SCHEDULING OF KHSTPP-I UNDER FUEL SHORTAGE CONDITIONS

KhSTPP-I furnished DC certifying coal shortage conditions for 01.04.09, 02.04.09, 04.04.09, 05.04.09, 06.04.09. On rest of the days KhSTPP-I furnished DC under normal conditions.

ERLDC would give a presentation regarding scheduling of KhSTPP-I under conditions of fuel shortage.

Deliberation in the meeting

GM, ERLDC informed that in coal shortage condition Block wise DC is not given instead Max DC, Min DC & total MWH in a day will be declared.

ITEM NO. 10 NON AVAILABILITY OF SPEECH AND TELEMETERED DATA FROM TALA HEP

Presently, Speech and Telemetered Data from Tala HEP are not available. This would be more essential with increased generation from Tala in Summer/Monsoon.

It is requested that necessary action in this regard may kindly be taken at the earliest.

Deliberation in the meeting

GM, ERLDC requested Powergrid & Tala representative to take appropriate action to restore speech and telemetered data from Tala HEP.

ITEM NO. 11 STATUS OF NEW LINES /UNITS UNDER CONSTRUCTION

The following important lines/units are under process of construction:

Sl. No.	Power Stations	Units	Date of Commissioning
1	CTPS	7 & 8 (2x250MW)	End of 2009
2	Bakreshwar	5 (210MW)	1st Test synchronized on 30.03.2009
	Lines		
1	Transmission system associated with Barh gen project (3x660MW) i) LILO of 400kV KhSTPP-Patna S/C (Quad) at Barh ii) 400kV Barh –Balia D/C (Quad)		Bay not ready June,2009
2	East West Corridor strengthening scheme-I i) 400kV Ranchi-Rourkela D/C ii) 400kV Rourkella-Raigarh D/C		November,2009 January,2010
3	Transmission system associated with Mejia Units 5& 6 i) 220kV Mejia- Ramgarh via Gola D/C		Gola substation is not ready

4	Transmission system associated with CTPS Unit#7 & #8 i) LILO of 220kV CTPS-Kallyneshwari at Dhanbad ii) 220kV Dhanbad-Giridh iii) 220kV Giridh-Kodarma iv) 220kV CTPS-Pithakari (PG) bypassing Kalyneshwari v) 220kV LILO of CTPS –MTPS at Kalyneswari & Ext. to Pithakari	
5	Transmission system associated with Sagardighi i) 400kV Sagardighi – Parulia D/C	September,2009
6	Eastern Region strengthening scheme i) 400kV Durgapur-Jamshedpur 2nd circuit ii) 400kV Jamshedpur-Baripada D/C iii) 400kV Bari[pada –Mendhasal D/C iv) 400kV Durgapur –Maithon D/C	October,2009 -do- -do June,2010

ITEM NO. 12 ISSUE RAISED BY

POWERGRID

I. AUGMENTATION OF TRANSFORMATION CAPACITY OF 220/132kV BIRPARA IN ER-II

Presently, the transformation capacity of 220/132kV Birpara S/S is 150MVA (1x50 MVA & 1x 100MVA). From the load pattern of both ICTs, it has been observed that the power flow through both the transformers exceeds more than 90-100 MW during peak hours and it is clear that with the same transformation capacity of 150MVA available at Birpara, and considering the rate of rise of demand per year(more than 20%), the full load of WBSETCL cannot be met in near future. Further, due to non-availability of alternate source at Birpara, WBSETCL has to resort load shedding in case of outage any one of ICT. As such the augmentation of transformation capacity at Birpara S/S is required immediately to have sufficient margin to take care of load growth in future.

Deliberation in the meeting

It was suggested that 50 MVA transformer may be replaced by (1X160MVA) transformer, alternatively 3rd transformer of (1x160MVA) capacity may be installed at Birpara s/stn.

WBSETCL representative agreed in principle for augmentation of transformation capacity of 220/132 KV Birpara S/Stn.

II. AUGMENTATION OF TRANSFORMATION CAPACITY OF 220/132Kv SILIGURI IN ER-II

Presently, only one no. 220/132kV 100MVA ICT is available at Siliguri S/S. It has been observed that during lean period of Hydro generation i.e. whenever Rangit HEP is out of service, the power flow through the transformer exceeds more than 80MW during peak hours and it is clear, that with the same transformation capacity of 100MVA available

at Siliguri and with the same load pattern, it is dangerous for the health of the transformer. As such the augmentation of transformation capacity at Siliguri S/S is required immediately to have sufficient margin to take care of load growth in future.

Deliberation in the meeting

It was suggested that 2nd transformer of 1x160MVA may be installed at Siliguri s/stn.
WBSETCL representative agreed in principle for augmentation of transformation capacity of 220/132 kV Siliguri S/Stn.

III. FUTURE REQUIREMENT OF SPECIAL TYPE ENERGY METERS AND DCDs:

Frequency based ABT Special type meters required upto 2010 has already been procured by POWERGRID. Requirement for such meters and DCDs for the period from 2010-2012, considering capacity addition in terms of generation and transmission, is to be assessed so that the advance action for procurement can be taken.

Members may please discuss & deliberate.

Deliberation in the meeting

After detailed deliberation it was decided that ERLDC will interact with the constituents & finalize the future requirement of special type energy meters & inform Powergrid accordingly.

ITEM NO. 13 ANY OTHER POINT

ADDITIONAL AGENDA POINTS FOR OCC MEETING

I. Operationalisation of Balimela-Upper Sileru line

SR is undergoing severe power crisis and both the HVDC links i.e. Talcher-Kolar (2500MW) and Gazuwka (1000MW) link are being fully utilized. After the utilization of Full capacity also, the financial market split occurred due to transmission congestion. In this regard the inter-regional export could have been increased by around 100-150 MW with the operationalisation of Balimela-Upper Sileru line. OPTCL is requested to explore the possibility of exporting power through Balimela –U.Sileru line. OPTCL may comment.

Deliberation in the meeting

GM, ERLDC said that ERLDC will organize a meeting between OPTCL & OHPC to explore the possibility of operationalisation of Balimela-Upper Sileru line.

II. Status of implementation of disturbance committee report on South Orissa

The following recommendations have been made to prevent frequent disturbance in South Orissa. The status of implementation may be discussed.

a. Blackstart Facility at Balimela and U.Kolab-**OHPC**
b. Replacement of Faulty B-Phase CVT and installation of numerical relay for Indravati- Indravati line.-**OHPC**
c. Time synchronization of numerical relays, DRs and RTUs - **OPTCL**
d. Directional feature for Earth fault relay installed at 220kV Jeypore ICT-II-**OPTCL**

Deliberation in the meeting

OPTCL representative noted the recommendations of the committee.

III. Review of SPS in Talcher-Kolar in view of increase of capacity from 2000MW to 2500MW

The existing SPS scheme was designed to take care the contingency of tripping (single/double pole) of Talcher-Kolar with a power flow to the tune of 2000MW. It is felt that the same needs review with the increased power flow of 2500MW.

Deliberation in the meeting

OCC members felt the need of review of SPS in HVDC Talcher-Kolar Transmission line due to increased power flow.

IV. Telemetry of important stations

a. Teesta – **Powergrid representative informed that M/s AREVA engineers will arrive on 19.04.09 to look into the matter.**
b. Sagardighi- **Telemetry from Sagardighi TPS has been planned in ULDC Phase-II.**
c. Subhasgram- **Powergrid ER-II representative informed that Telemetry from 400kV Subhasgram S/stn will restored within 3 months.**
d. Balimela Unit 7 & 8
e. Tala

V. Voice communication with the following station

a. 400kV Patna - **Powergrid representative informed that direct link between RLDC & 400kV Patna s/stn is not planned**
b. 400kV Ranchi - **Powergrid representative informed that some PLCC problem is there and it will be restored in this month**
c. 400kV Subhasgram
d. Tala

VI. Comments on CD of Black Start

A CD containing the details documents on Black Start and restoration procedure was circulated in the last OCC meeting. Member may like to give their comments on the documents / procedure circulated.

Deliberation in the meeting

DGM, ERLDC informed that comments from CESC on Black Start have been received. At present there is no black start facility in CESC system. He requested the constituents to give their valued opinions / suggestions. A workshop on Black Start has been organized at 10:00 AM on 18.04.2009 at Hotel Big Boss, Kolkata.

VII. Closing of Patna-Fatuah-Biharshariff 220kV link

At present 220kV Fatuah s/stn of BSEB is supplied from Biharshariff only through a 220kV D/C line. Closing of 220kV Fatuah-Patna section will provide an additional source of supply to Fatuah and relieve the present loading of Biharshariff-Fatuah line. So long as all the 400/220kV ICTs at Patna and Biharshariff are in service, contingency resulting out of tripping of Patna-Fatuah section or one circuit of Biharshariff-fatuah line does not have by serious impact on equipment loading or voltage profile of BSEB transmission system.

As such it is desirable to close this link from operational point of view.

Deliberation in the meeting

It was decided that Powergrid will discuss the matter with BSEB and report back in the next OCC meeting.

VIII. Low frequency operation-Persistent overdrawal by DVC

Since 10.04.09, DVC has been persistently overdrawing from the grid at a frequency even below 49.2 Hz. A number of messages (Category 'A','B','C') are being regularly issued to DVC in order to contain overdrawal so as to ensure safe and secure operation of the system. The matter has also been taken up by GM,ERLDC with Director (Technical), DVC to ensure grid discipline by containing overdrawal. A list of messages issued by ERLDC to DVC requesting DVC to curtail overdrawal is enclosed at the Annexure.

Members may please deliberate on the issue.

Deliberation in the meeting

GM, ERLDC advised DVC to avoid consistent overdrawal. He informed that more than 12% overdrawal in a Block is to be reported to CERC. He advised DVC to explore the possibility of getting additional power through bilateral arrangement / power exchange.

ITEM NO. 14 DATE AND VENUE OF THE NEXT (38th) OCC MEETING OF ERPC.

Next (38th) OCC will be held in ERPC conference hall, the date of the OCC meeting will be intimated shortly.

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