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केन्द्रीय विद्युत प्राधिकरण
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सं: पक्षेविस/प्रचा./ प्रसस-कार्यवृत्त /2008-09 / 6422 दिनांक 21.07.2008

सेवा में,

विषय:- प.क्षे.वि.समिति, मुंबई की प्रचालन एवं समन्वय समिति की 389 वीं बैठक का कार्यवृत्त।

महोदय,

पश्चिम क्षेत्रीय विद्युत समिति, मुंबई की प्रचालन एवं समन्वय समिति की दिनांक 10.07.2008 को केवडिया, गुजरात में सम्पन्न हुई 389 वीं बैठक का कार्यवृत्त आपकी सूचनार्थ संलग्न है ।

धन्यवाद।

भवदीय,

संलग्न : उपरोक्तानुसार

(मनजीत सिंघ)
अधीक्षण अभियंता (प्रचालन)

MINUTES OF 389TH MEETING OF OPERATION & COORDINATION SUB-COMMITTEE HELD ON 10TH JULY 2008 AT KEVADIA (GUJARAT)

The 389th meeting of Operation & Co-ordination Sub-Committee of WRPC was held on 10th July 2008 at Kevadia (Gujarat). The list of participants is enclosed at Annex-I.

Shri V.C.Jain, Chief Engineer (Elect), SSNNL, welcomed the OCC members of WRPC, representatives of WR utilities and participants attending the meeting. He thanked WRPC for the opportunity given to NCA & SSNNL to host this meeting at Kevadia (Gujarat). He explained main features of the SSP and said that water availability at this terminal reservoir of 1450 MW capacity SSP hydro power station is dependent upon releases from Indira Sagar Hydro Power Station of NHDC along the Narmada basin. He said that the station is designed to operate in three modes and to fulfill the irrigation and power requirements of its beneficiary states viz. Madhya Pradesh, Gujarat, Maharashtra and Rajasthan. He said that RBPH units of the station are now able to operate in synchronous condenser mode since year 2007. During extreme high voltage conditions one or two units are allowed to operate in this mode upon request from WRLDC as per the approved guidelines. He hoped that deliberations in this meeting would be fruitful and provide road-map to the secured operation of the interconnected grid.

Shri Major Singh, Member (Power), NCA welcomed the members and all participants of the OCC meeting. He said that the meeting arrangements were made in coordination with SSNNL authorities that had provided facilities for manpower/infrastructure upon accepting the proposal from NCA in this regard. He highlighted the salient features of the SSP project He also briefed the forum about organizational structure of NCA and its various bodies. He said that NCA is responsible for ensuring that the SSP beneficiaries receive irrigation and power benefits from the project as per the NWDT award.

Shri P.Patel, Member Secretary, WRPC welcomed the participants and thanked NCA & SSNNL authorities for hosting this meeting and making excellent arrangements for transport and stay for the participants. He hoped that the OCC members would be able to derive maximum from experience of the personnel operating the SSP project during interaction with them and when they visit the project site after the meeting. Regarding power situation in Western Region, he stated that in June 2008 the system frequency profile was stable initially, but later due to low availability accompanied with forced outage of generating units of RGPPL at Dabhol and scanty rainfall/sustained dry spell, the system frequency came down. As a result, system frequency remained within permissible range of 49.0 Hz to 50.5 Hz for 93.3 % of time compared to 95.77 % in May 2008. The frequency went below 48.8 Hz for 188 times in June 2008, which was attributable to highly worsened frequency profile during 22nd to 28th June 2008. The peak regional demand was 35500 MW with peak shortage of 7405 MW compared to peak demand of 36609 MW and peak shortage of 7335 MW in May 2008 and the energy availability during June 2008 was 17774 MUs compared to 19831 MUs in May 2008, he said.

He intimated that during June 2008, 500 MW Unit No.4 of NTPC at Sipat (Stage-II) and 250 MW Unit No.2 of Jindal Power Ltd in Chhattisgarh were commissioned. Among the transmission network additions, 220 kV Vapi (PG)-Kharadpada D/c line was commissioned and with this, UT of DNH was directly connected to the CTU network of WR.

Thereafter, the agenda items were taken up for discussion.

ITEM No. 1: CONFIRMATION OF THE MINUTES

Superintending Engineer (Operations), WRPC stated that Minutes of 388th meeting of Operation & Coordination Sub-Committee held on 11th June 2008 at Pune were forwarded vide letter No. WRPC/OPN/OCC-Minutes/ 2008-09/ 5423 dated 20.06.2008.

Regarding remark by the WRLDC representative relating to a query by him in the above meeting concerning giving effect to the finalized operating procedures for WR, the sub-committee clarified that as no further views/comments were received from the WR utilities on the draft operating procedures and as was decided in the 387th OCM, WRLDC might proceed further in giving effect to the procedures. The sub-Committee further suggested that the operating procedures might, however, be reviewed as and when required and these would be updated accordingly after confirmation by the WRPC forum.

In view of above, the minutes of 388th OCCM of WRPC were confirmed by the sub-Committee without any amendment.

ITEM NO.2: REVIEW OF SYSTEM OPERATION DURING THE MONTH OF JUNE 2008

2.1 Frequency Particulars

The sub-Committee noted the detailed frequency particulars for June 2008, which are enclosed at Annex- 2.1.

As per the data furnished by WRLDC, the frequency remained between 49.0 to 50.5 Hz for 93.30 % of time in June 2008 compared to 95.77 % of time in May 2008.

2.2 Operational Matters

2.2.1 Operational Discipline

As per the data made available by WRLDC (Annexure- 2.2 (A)), the instances of significant violation of IEGC during the month of June 2008 were noted by the sub-Committee.

The detail of recommended load-shedding vs. actual load shedding carried out by WR constituents for June 2008 as furnished by WRLDC enclosed at Annex-2.2 (B) were also noted by the sub-Committee.

There was a net inter-regional export of 186.84 MUs by WR constituents against net inter-regional WR import schedule of 91.72 MUs.

During June 2008, the instantaneous minimum frequency was 48.61 Hz on 25.6.2008 at 20:05:46 hours. It was intimated by WRLDC that on 25.6.208, GETCO had continued with the prolonged overdrawls at low frequency ranging between 300-400 MW, while frequency went below 48.8 Hz for 35 times and was below 49 Hz for 22.5% of the time.

WRLDC intimated that during the 3rd/4th week of June 2008, there was occasional overdrawl by CSEB and MPPTCL at low frequency ranging between 250-300 MW and 100-450 MW respectively. Overdrawl by DD and DNH was of the order of 70-80 MW and 80-130 MW respectively. Overdrawls by other regions also prevailed. ER overdrawl from the interconnected grid was of the order of 200-250 MW. GM, WRLDC stated that availability had been less due to higher

quantum of outages of thermal units under the scenario of unexpected delayed monsoon coupled with less hydro availability and less receipt of fuel for Gas based generating stations in the region at an affordable price. DGM(OS), WRLDC stated that 337 Nos of STOA transactions were approved by them for exchange of 383.62 MUs of energy during June 2008. He said that any beneficiary did not requisition ISGS generating capacity on Naphtha fuel until 19th June 2008 during the month as the frequency was above 49 Hz during this period.

GETCO representative stated that the overdrawl by them was caused due to unexpected rise in demand in their system due to delayed monsoon activity resulting in continued hot weather. Also a few of generating units were on forced outage and the gas based generating units were not getting adequate fuel supply. WRLDC had also intimated about less receipts of Gas/RLNG/Naphtha at the Gas Power Stations in Gujarat. The sub-Committee noted and suggested that the efforts should be made to coordinate fuel supplies so as to maximize the generation in the prevailing situation.

NTPC representatives intimated that they had been in the process of discussions with gas suppliers and transporters for supply of RLNG on long-term basis for Kawas (Approx 3.1 mcmd) and Gandhar (approx. 0.9 mcmd) for the period from Oct 2008 - March 2010. NTPC further indicated that at the offered price of RLNG on "Take or Pay basis", the variable charges of the power shall be approx. Rs 5.50 per unit at current rate of taxes and transportation charges and sought opinion of the sub-Committee regarding giving commitment to suppliers for fuel procurement on " Take or Pay basis".

The sub-Committee discussed matter and observed that during conditions when high shortage had been prevailing in the region and the frequency profile continued to remain low for long periods, the declared capacity of ISGS on RLNG fuel rarely remained unrequisitioned by WR utilities. Therefore, the sub-Committee recommended that under similar situations, NTPC could make arrangements for availability of RLNG fuel for Kawas and Gandhar stations of WR in case of less receipts of the fuel to these stations at normal prices. The sub-Committee suggested that Commercial sub-Committee of WRPC might further examine the offer details in this regard so as to proceed further in the matter for obtaining the necessary approval of WRP Committee.

2.3.1 Voltage Profile

Voltage profile at some of 400 kV sub-stations during the month of June 2008 furnished by WRLDC is enclosed at Annex-2.3.

During the month of June 2008, incidences of higher voltage profile were recorded at the following locations in WR grid: -

S.No.	400 kV Sub-station	Max. Voltage Observed (kV)	Date of incidence	Min. voltage observed (kV)	Date of incidence
1.	Dhule	440	05.06.2008	-	-
2.	Itarsi	432	28.06.2008	-	-
3.	Karad	430	28.06.2008	-	-
4.	Asoj	428	28.06.2008	-	-
5.	Gwalior	429	18.06.2008	-	-
6.	Bina	435	28.06.2008	-	-
7	Indore	424	19.06.2008	-	-
8	Kasore	424	15&28.06.2008	-	-

WRLDC representative stated that RBPH units at SSP were operating in synchronous condenser mode under high voltage conditions. He intimated that Maharashtra system voltage was maintained through regulated VAR at Koyna HPS and Padghe stations. He indicated that more scope of MVAR absorption existed at Korba STPS, Vindhyachal STPS, Tarapur 3,4 and SSP stations which could have contributed well in controlling the high voltage profile seen above. GM, WRLDC requested the concerned utilities to ensure maximized MVAR absorption at the above locations during high voltage incidences.

2.3.2 Status of completion of on going Schemes Commissioning of reactors implemented by PGCIL / Other Agencies

The status on work for providing additional reactors at the locations was intimated as per the following details: -

S.No.	400 kV Substation	Size (MVAR)	Implementing agency	Expected commissioning date
1.	Khandwa	1x125	PGCIL	June 2010
2.	Dhule	1x125*	MSETCL	March 2009
3.	Indore	1x125	MPPTCL	March 2010
4.	Dehgam	1x125	PGCIL	June 2010
5.	Kasor	1x125	GETCO	Tenders invited
6.	Karad	1x80	MSETCL	Dec 2008
7.	Nardipur	1x80	GETCO	Tenders invited
8.	Padghe	1x80 (SCR)	MSETCL	Dec 2008
9.	Khargar	1x80 (SCR)**	MSETCL	Mah would intimate

* 2x 50 MVAR Reactors are under implementation at MSETCL at Dhule.
** As intimated by MSETCL in 3rd WRPC meeting on 28th February 2007.

GETCO representative intimated that tenders for proposed reactors at Kassor and Nardipur have been invited wherein the work of installation and commissioning is earmarked for completion in 6-8 months' period after placing the orders on the successful bidder.

MPPTCL representative informed that orders for reactor at Indore have been placed in March 2008 and expected date of commissioning is March 2010.

MSETCL would be intimating status for Khargar SCR early.

2.4.1 Status of completion of on going Transmission Schemes/ Reactors Commissioning being executed/implemented by POWERGRID/ Other Agencies

The status on various ongoing transmission schemes for the current year was intimated as follows: -

Sl. No.	Name of the Line	Target Completion date	Remarks
POWERGRID			
1.	220 kV Vapi (PG) –Kharadpada D/c	-	commissioned on 7.6.2008
2.	220 kV Vapi (PG) –Magarwada D/c	-	on commercial operation w.e.f 01.05.2008
3.	765 kV Sipat-Seoni S/C (2nd Ckt)	-	on commercial operation w.e.f 01.05.2008
4.	400 kV Sipat-Raipur D/C	July 2008	Ckt I synchronized on 21.7.2008
5.	2x315 MVA, 400/220 kV substation at Damoh	June 2008	
6.	400 kV Ranchi-Sipat D/c (under ATS of Kahalgaon Ph II with 40% series compensation)	July 2008	

As per WRPC decision the establishment of 2x315 MVA, 400/220 kV substation at Damoh in MP by PGCIL under system strengthening scheme of WR was preponed. As 500 MW unit at Sanjay Gandhi TPS has already been commissioned, PGCIL (WRTS-II) were requested to intimate current status and the expected commissioning date of 400/220 kV Damoh substation. PGCIL (WRTS-II) representative stated that during testing of the 315 MVA 400/220 kV ICT for Damoh the observed 'tan delta' values were not found within the recommended range. He intimated that matter has been referred to PGCIL corporate office for advice and further action.

2.4.2 U/F Relay Operation

The sub-Committee noted the consolidated information about UFLS operations for June 2008 furnished by the WR constituents placed at Annexure-2.4.2.

The inspection of AUFLS relays was carried out on fourteen feeders at 132 kV Chakan s/s, 220 kV Ranjangaon s/s and 132 kV Shirur s/s during 11th to 13th June 2008 by WRPC engineers in Maharashtra system. The AUFLS relays provided there are set to operate at 48.6 Hz including one df/dt relay set at 48.8 Hz/0.1 Hz/s at Ranjangaon S/s on Supa feeder. All UFRs were found to be in service and had operated at the last five occasions of low frequency operation correctly as per their scheduled plan. Load relief obtained observed at 48.6 Hz at Chakan substation was in the range of 60-90% of the desired load relief. At rest of the substation feeders the relief obtained was in order.

The sub-Committee noted the same.

Member Secretary, WRPC said that it was intimated by the constituents in 388th OCCM of WRPC that the revised df/dt settings of AUFLS relays would be implemented in Western Region w.e.f. 1.7.2008 and enquired constituents about the status on the same.

MPPTCL intimated that the revised settings of AUFLS (df/dt) relays have been implemented w.e.f. 1.7.2008 in M.P. state. **The other WR constituents intimated that the concerned substation authorities were advised to implement the revised settings. The WR constituents would revert back early, upon receiving the necessary information from the sites to this effect.**

M.P. vide letter dated 8.7.2008 had further intimated that these relays which have now been set at the revised rate of 0.1 Hz/s at 49.9 Hz were observed to have maloperated on all days from 1.7.2008 to 7.7.2008. Member Secretary, WRPC requested that all utilities of WR may observe this phenomena and intimate details of such instances of maloperations viz. date, time, frequency, location, relay type and existing settings at these locations so that based on the consolidated set of observations the issue can be further examined for review. The OCC members agreed to the same.

2.4.3 Confirmation of Healthiness status of SERs/DRs equipment in the system.

PGCIL, WRTS-I &WRTS-II and NTPC have furnished healthiness status of DRs/SERs equipment in their system vide letters dated 2.7.2008, 7.6.2008 and 8.7.2008 respectively. CSEB, GETCO and MPPTCL have also furnished status of DRs equipment in their system vide their letters dated 3.7.2008, 6.6.2008 and 9.6.2008 respectively.

PGCIL (WRTS-II) intimated that no DRs/time-stamped SEL facility is available for 400 kV Itarsi-Bhopal ckt 1 & 2 (MPPTCL lines) at Itarsi S/s. It further intimated that for some of the newly commissioned lines the work for provision of time stamped DRs/SEL facility is under progress in coordination with concerned agencies viz. BHEL, ABB and GETCO. CSEB intimated that provision of time synchronization facility for DRs/SELs is under procurement process. GETCO intimated that DRs at their 400 kV S/Ss are in service. MPPTCL intimated that numerical relays (with built in feature of DR/SELs) have been provided at their 400 kV and 220 kV substations. NTPC,

Vindhyachal TPS intimated that DR replacement for 400 kV Vindhyachal-Jabalpur ckts I & II and Vindhyachal-Korba ckt I is expected to be completed by March 2009.

MPPTCL and GETCO shall intimate status on provision of time-synchronized availability of DRs/SELs at their S/Ss early. MSETCL shall also furnish the current status in respect of the above provisions in their system.

The sub-Committee noted as above.

2.4.4 Energy data for ICTs/lines at Itarsi, Khandwa, Rajgarh S/Ss

MPPTCL representative stated that they had requested PGCIL, vide fax message dated 11.5.2008, to provide them with daily energy data for ICTs at Khandwa & Itarsi and 400 kV Rajgarh-Khandwa & Rajgarh-SSP lines which is required for the purpose of preparing Daily Performance Report by the SLDC every morning. He stated that PGCIL (WRTS-II) in the 387th OCCM of WRPC had agreed to ensure the needful, but they have not yet been receiving the above information from the above PGCIL sub-stations. Upon query, the PGCIL (WRTS-II) representative stated that as the energy data is available on SEMs, which are located in the substation switchyard, it was not convenient for them to provide details in the night time. The sub-Committee requested PGCIL to make suitable arrangements to facilitate the provision of energy data as per the requirement. GM, WRLDC said that matter would be discussed with WRTS to make the necessary provision early so as to fulfill the necessary requirements of the information system.

2.5 Power Cuts / Load Restrictions

Details of Power Cuts and Regulatory measures during June 2008 furnished by the Transmission Cos./SEBs and given in Annex. 2.5 were noted by the sub-Committee.

2.6 Details of Generating Units under Forced outages

Details of generating units under forced outages during June 2008 were discussed. The details are given in Annex-2.6.

The sub-Committee noted as above.

ITEM NO.3: OPERATIONAL PLANNING

3.1.1 Anticipated Power Supply Position for the months – July 2008 & August 2008

WR constituents furnished details of anticipated restricted & un-restricted demands for the months of July 2008 & August 2008 is given at Annex 3.1 (A). The details of anticipated regional deficit are given below:

(All figures in MW)

State/ Region	July 2008			August 2008		
	Anticipated Availability	Anticipated Peak Demand	Shortage	Anticipated Availability	Anticipated Peak Demand	Shortage
GETCO	9215	10140	925	9475	10540	1065
MPPTCL	4045	4500	465	4140	4500	360
CSEB	1940	2000	60	2030	2100	70
MSETCL	12405	16350	3945	12250	16100	3850
GOA	420	425	5	425	475	50
WR	26100	31920	5820	26295	32205	5910

Constituents furnished the anticipated station wise Availability & Energy for the months of July 2008 & August 2008, which is at Annexure 3.1 (B). The hourly schedule load shedding programme proposed by WRLDC for the months of July 2008 / August 2008 as furnished by WRLDC is given at Annex. 3.1 (C).

3.1.2 Proposed generation plan for NHDC's projects for the period from July 2008-March 2009

The sub-Committee noted the contents of letter dated 3.7.2008 (copy at Annexure- 3.1.2) from CE(PM&C), NHDC wherein it was intimated that actual generation achieved at ISP and OSP hydro stations of NHDC was lower than the targets fixed by MOP/CEA for their stations for the year 2008-09 since April 2008, due to the various reasons. He stated that as ISPS, OSP and SSP are cascading projects in Narmada Basin and ISPS being the mother reservoir for the downstream project SSP, it is prudent that generation plan at SSP is in commensurate with the release from ISPS. The proposed month-wise generation from ISPS for the period from July 2008 to March 2009 and corresponding water releases from the ISPS for the same period were furnished by NHDC as per the Annexure 3.1.2.

Member (Power), NCA stated that the generation plan at SSP is finalized annually (July to June period) after detailed deliberations by SSRRC (Sardar Sarovar Reservoir Regulation Committee) as per the provisions under Narmada Water Disputes Tribunal (NWDT) award. SSRRC meetings are attended by representatives from SSP beneficiaries, NCA, CWC, CEA wherein NHDC representative is also an invitee. The plan is again reviewed in October month by the SSRRC. NCA prepares 10 daily basis plan for water requirements, after duly considering all factors under NWDT award and the SSRRC plan finalized as above. He further stated that MOU signed between NHDC and Govt. of Madhya Pradesh includes clause under which NHDC shall follow the decisions taken by NCA and its sub-Committees. NHDC representative stated that operation of ISP is under Govt of MP and the generation at ISP requires to be maintained as per its decision and the schedule given to it by the SLDC Jabalpur. It was suggested that NHDC should instead take up such issues in an appropriate NCA forum, which would be the right forum for resolving the matters relating to water releases and power generation from Narmada projects.

Member Secretary, WRPC stated that SSP is a multi-state project and the NWDT award provisions and NCA decisions are binding for SSP operation, whereas ISP is a single-beneficiary project and the related issues concerning its operation are fully under the purview of Govt. of Madhya Pradesh. He said that there seems that there seems to be necessity of better coordination between SLDC Jabalpur, NHDC and Govt of Madhya Pradesh and suggested that NHDC may address the issue with the appropriate authorities accordingly.

3.1.3 Preparation of LGBR for period July 2008 to March 2009.

The LGBR for the Region is prepared considering the availability from various generating units as per the generation targets for the year 2008-09 which were fixed by MOP/CEA in coordination with various generating utilities. It is therefore expected that all the generating utilities of the Region shall ensure to plan maintenance schedule of their units so that the actual generation is achieved as per the targets.

As 124th LGBR for II quarter for the year 2008-09 (for period July 2008 to March 2009) is under preparation, WR constituents were requested vide letter dated 23.6.2008 to furnish necessary information about their respective maintenance plan for generating units, transmission elements, the anticipated availability of generation and the unrestricted peak load requirement and energy requirement etc for the above period. SE(O), WRPC stated that information has been

received for NTPC, NHDC, TAPS 1,2, TPC, REL, DNH & Torrent Power. The other utilities were requested to furnish the requested information.

The sub-Committee discussed the maintenance plan and the other information submitted by the utilities as per the enclosed Annexure-3.1.3 and it was recommended to prepare the LGBR for the II quarter accordingly.

3.2.1 Generating units under Planned Outage and Proposed maintenance programme

The sub-Committee discussed ongoing planned outages of generating units since June 2008. The updated details are given in Annex– 3.2 (A). The sub-Committee discussed and approved the maintenance programme of the generating units for July 2008 / August 2008. This is given in Annex 3.2 (B).

MSEDCL vide letter dated 1.7.2008 had requested MSPGCL/MSETCL that planned outage of Chandrapur No.6 originally approved in 388th OCC for period from 20.6.2008 to 25.7.2008 may be rescheduled to the period from 10.7.2008 to 14.8.2008 in view of dry spell and low availability from RGPPL generating station at Dabhol. MSETCL intimated that above unit was permitted to be taken for AOH from 3.7.2008 to 31.7.2008.

The sub-Committee finalised the programme proposed above.

3.2.2 Commissioning of new Generating units in Western Region and the capacity expected to be commissioned during the current year 2007-08.

The consolidated status regarding Generating units, commissioned /expected to be commissioned during the current year 2008 was intimated as below:

Name of the Power Projects	Unit No.	Capacity (MW)	Schedule Date of Commissioning
GUJARAT			
(i) Kutch Lignite TPS	4	75	July 2008
(ii) Sugen CCPP- Torrent Power	Block –1	370	October 2008
	Block-2	370	January 2009
	Block-3	370	April 2009
(iii) Surat Lignite expansion-GIPCL	1	125	Nov 2008
MADHYA PRADESH			
(i) Amarkantak TPS	5	210	Synchronised on 15.6.08
CHHATTISGARH			
(i) Korba TPS (E) Extn. Stage-V	2	250	Synchronised on 18.2. 2008
(ii) Raigarh TPP Ph-I &II – Jindal (Pvt)	1	250	Synchronised on 2.9.2007
	2	250	comml opn 15.6.2008
	3	250	Synchronised on 10.2.2008
	4	250	September 2008
(iii) Pathadi TPP (LANCO)	1	300	September 2008
MAHARASHTRA			
(i) Ghatghar HPS (Hydro)	1	125	Sept 2008
	2	125	commissioned on 8.4.2008
(ii) Trombay TPP-(TPC)	1	250	Oct 2008

CENTRAL SECTOR – NTPC			
(i) Sipat-II TPP	4	500	comml opn 20.6.2008
(ii) Sipat-II TPP	5	500	November 2008
(iii) Bhilai TPP (Joint venture with SAIL)	1	250	commsnd on 20.4.2008

The WR utilities may intimate the current status on above.

3.3.1 Outage Programme of Transmission Lines

The sub-Committee discussed and approved the maintenance programme for transmission lines for the months of July 2008 / August 2008. The details are given in Annex 3.3.

3.3.2 Tripping of lines at Jhanor Gandhar

NTPC vide letter dated 4.7.2008 had intimated that 400 kV lines from Jhanor were frequently tripping on distance protection. The tripping was more frequent between 23.6.2008 to 1.7.2008. On 1.7.2008, 400 kV Jhanor-Dehgam 1 & 2 had tripped at 0545 hours on distance protection which had resulted high vibrations in bearing of Steam turbine generator accompanied with abnormal sound almost nearing the trip levels. It was apprehended by the Station authorities that such frequent tripping of lines may result damage to the machine apart from tripping and loss of generation. PGCIL (WRTS-II) representative intimated that the corrective measures would be taken by them early to minimize the frequent tripping of the above 400 kV lines.

ITEM NO. 4:OPERATIONAL STATISTICS FOR THE MONTH OF JUNE 2008

4.1 The sub-Committee noted the details of schedule Vs actual generation, demand, drawl of power from grid; exchanges etc. as given in the following Annexures:

Annex 4.1 - Schedule Vs Actual Generation and Requirement for June 2008
Annex 4.2 - Peak Demand: Schedule Vs Actual for June 2008
Annex 4.3 - Integrated Operation of the System for June 2008
Annex 4.4 - Operation of Inter State Tie lines during June 2008.
Annex 4.5 - Details of Declared Capacity, Schedules and Injections from Central sector Stations, Drawl Schedules and Entitlements of constituents during June 2008
Annex 4.6 - Inter System Exchanges for June 2008.
Annex 4.7 – Details of level of Major Reservoirs in Western Region for June 2008
Annex 4.8a– Month-wise loss of generation due to non-utilisation of high cost of Naphtha fuel.
Annex 4.8b –Month-wise loss of generation due to shortage of coal and gas fuels.

ITEM NO. 5: SYSTEM DISTURBANCE IN WESTERN REGION

The sub-Committee noted that there was no major grid disturbance in the Western Region during the month.

ITEM NO. 6: IMPLEMENTATION OF RECOMMENDATIONS OF VARIOUS ENQUIRY COMMITTEES ON GRID DISTURBANCES IN WR

The updated status of implementation of recommendations of the Enquiry Committees on grid disturbances in WR is enclosed at Annex- 6 was noted by the sub-Committee. MSETCL submitted the updated information on the current status on various items of this Annexure.

The sub-Committee noted as above.

ITEM NO. 7: ANY OTHER ITEM

(i) **Operation of OLTC for generator transformers**

GM, WRLDC stated that at various generating stations in the region, the generator transformers are provided with the facility of On Load Tap Changing (OLTC). It is desirable that to ensure smooth voltage profile the OLTC feature is used as and when needed. To accomplish this objective, he suggested that the OLTC facility may be tested by the utilities to ascertain that the mechanism operates reliably before it is put into regular operation. The sub-Committee noted the suggestion and the generating utilities of the region agreed to look into the existing provision at their respective stations and would revert back.

(ii) **Revision of IPP's export schedule under Open Access on tripping of its unit**

CSEB representative stated that sale of power from IPPs in Chhatisgarh is scheduled to various utilities outside the state/region. In case of tripping of IPP unit, the schedule is not immediately revised by WRLDC resulting overdrawl by CSEB and consequence commercial loss. Member Secretary, WRPC stated that scheduling is being done by WRLDC in accordance with the existing CERC regulations. As such variations in load/generation within an utility has to be tackled by the utility accordingly.

ITEM NO. 8: DATE AND VENUE OF NEXT OCC MEETING

It was proposed to hold 390th meeting of Operation and Coordination Committee of WRPC on 12th August 2008 (Tuesday). The venue and other details would be intimated early.

The meeting ended with thanks to Chair and NCA & SSNNL authorities for making all the necessary arrangements in an excellent manner.

अनुलग्नक 1

प क्षे वि स की प्रचालन एवं समन्वय समिति की 389 वीं बैठक में उपस्थित सदस्यों के नाम

क .	नाम	पदनाम	संगठन
1	पी पटेल	सदस्य सचिव	पश्चिम क्षेत्रीय विद्युत समिति
2	मनजीत सिंघ	अधीक्षण अभियंता (प्रचालन)	पश्चिम क्षेत्रीय विद्युत समिति
3	विनोद कुमार गुप्ता	कार्यपालक अभियंता (प्रचालन)	पश्चिम क्षेत्रीय विद्युत समिति
4	एल के एस राठोर	सहायक निदेशक (प्रचालन)	पश्चिम क्षेत्रीय विद्युत समिति
5	वी जे ठक्कर	मुख्य अभियंता (उत्पादन)	गुजरात राज्य विद्युत को लि
6	डी जे शाह	अधीक्षण अभियंता (भार प्रेषण)	गुजरात विद्युत ट्रांसकं लि
7	एम टी शाह	कार्यपालक अभियंता (भार प्रेषण)	गुजरात विद्युत ट्रांसकं लि
8	के के पभाकर	कार्यपालक अभियंता (भार प्रेषण)	मप्र विद्युत ट्रांसकं लि
9	एस जी केलकर	मुख्य अभियंता (भार प्रेषण) कलवा	महाराष्ट् राज्य विपारेकं लिमि
10	ए पी रेवागड	उप कार्यपालक अभियंता	महाराष्ट् राज्य विपारेकं लिमि
11	एस के मेहता	अधीक्षण अभियंता (भार प्रेषण)	छत्तीसगढ़ राज्य विद्युत बोर्ड
12	एन एस सोढा	महा प्रबंधक	पश्चिम क्षेत्रीय भार प्रेषण केंद्
13	वी ए मूर्ति	उप महा प्रबंधक	पश्चिम क्षेत्रीय भार प्रेषण केंद्
14	के मुरलीकृष्णा	मुख्य प्रबंधक	पश्चिम क्षेत्रीय भार प्रेषण केंद्र
15	डी बृहनंदा	उप प्रबंधक	पावरग्रिड वडोदरा
16	बीपी परीदा	अवर महा प्रबंधक (ओ एस), मुम्बई	राष्ट्रीय ताप विद्युत निगम
17	ओ मेनजेस	वरिष्ठ प्रबंधक (ओ एस), मुम्बई	एन टी पी सी लिमिटेड
18	वैदव्यास	उप महा प्रबंधक विंदयाचल	राष्ट्रीय ताप विद्युत निगम
19	ए के झा	वरिष्ठ अधीक्षक, झनोर	राष्ट्रीय ताप विद्युत निगम
20	आर सुरैश कुमार	वरिष्ठ अधीक्षक, झनोर	राष्ट्रीय ताप विद्युत निगम
21	डी डी दासगुप्ता	वरिष्ठ अधीक्षक, सीपत	राष्ट्रीय ताप विद्युत निगम
22	के ए डेविड	वरिष्ठ प्रचालन अभियंता ,तारापुर(1, 2)	परमाणु विद्युत निगम
23	आर के गुप्ता	वरिष्ठ प्रचालन अभियंता, तारापुर (3, 4)	परमाणु विद्युत निगम
24	एस एस देशमुख	सहायक एस सी ई,तारापुर (1, 2)	परमाणु विद्युत निगम
25	वी आर श्रीखंडे	अवर महा प्रबंधक	टाटा पावर कंपनी
26	नरेन्द्र के मांजा	उप महा प्रबंधक	रिलायंस एनर्जी लिमिटेड
27	मेजर सिंह	सदस्य (विद्युत)	नर्मदा नियंत्रण प्राधिकरण
28	वी सी जैन	मुख्य अभियंता (विद्युत)	एस एस एन एन एल
29	के जे त्रिवेदी	मुख्य अभियंता (एन डी)	एस एस एन एन एल
30	आर वी पटेल	मुख्य अभियंता (ओ एंड एम)	जी एस ई सी एल
31	सुमन सिन्हा	अधीक्षण अभियंता	नर्मदा नियंत्रण प्राधिकरण
32	आशीष जैन	उप प्रबंधक	एन एच डी सी
33	अमित कटियार	अभियंता (विद्युत)	एन एच डी सी
34	बी एम गुलाटी	उप महा प्रबंधक (ओ एस), मुम्बई	आर जी पी पी एल
35	ए आर मराठे	कार्यपालक अभियंता	गौवा
36	सुनील ए कमलापुरकर	सहायक अभियंता	गौवा
37	अशोक ठक्कर	अवर महा प्रबंधक	टोरेन्ट पावर लिमिटेड