



# MP POWER TRANSMISSION COMPANY LIMITED

STATE LOAD DESPATCH CENTRE, NAYAGAON, JABALPUR 482 008

Phone 0761-2702748

website: [www.sldcmpindia.com](http://www.sldcmpindia.com)

Fax 0761-2664343

No.07-05/SG-9B-II/

Jabalpur, dated 20-07-2010

To

Sub: Agenda of 20<sup>th</sup> meeting of Operation and Coordination Committee of MP.

Dear Sir,

Please find enclosed herewith the Agenda of 20<sup>th</sup> meeting of the Operation and Coordination Committee of MP scheduled on 26<sup>th</sup> July 2010 at SLDC, Jabalpur. The same is also available on the website of SLDC [www.sldcmpindia.com](http://www.sldcmpindia.com).

Thanking you.

Yours faithfully,

( P.A.R. Bende)  
Member Secretary, OCC  
S.E.(LD-OPN), SLDC  
MPPTCL, Jabalpur

Encl : As above.

## **Distribution List**

The Officer on Special Duty (T&C), MP Power Transmission Co. Limited, Jabalpur.	The Superintending Engineer (DCC-WZ), DISCOM Control Centre, MP Paschim Kshetra Vidyut Vitaran Co. Limited, Near Polo Ground, Jail Road, Indore.
The Chief Engineer (S/S), MP Power Transmission Co. Limited, Jabalpur.	The Executive Engineer (DCC-EZ), DISCOM Control Centre, MP Poorva Kshetra Vidyut Vitaran Co. Limited, Jabalpur.
The Chief Engineer (Power System), MP Power Transmission Co. Limited, Jabalpur	The Additional General Manger (LM), DISCOM Control Centre, MP Madhya Kshetra Vidyut Vitaran Co. Limited, Bhopal.
The Executive Director (O&M:Gen.), MP Power Generating Co. Limited, Jabalpur.	The Chief Engineer (PM&C), Narmada Hydroelectric Development Corpn. Ltd, NHDC Parisar, Shamla Hills, Bhopal – 462013.
The Chief Engineer (O&M:Hydel), MP Power Generating Co. Limited, Jabalpur.	The General Manager, Indira Sagar Power Station, NHDC Office complex, PO : Narmada Nagar, Distt : Khandwa (MP) – 450 119.
The Chief General Manager (Comml.), MP Power Trading Company, Jabalpur.	The General Manager, Omkareshwar Power Station, Prashnik Bhawan, Urja Vihar, Sidhwarkut, Distt : Khandwa (MP) – 450 554.
The Addl Superintending Engineer, Sub Load Despatch Centre, MPPTCL, Indore	The Executive Engineer, Sub Load Despatch Centre, MPPTCL, Bhopal

**AGENDA FOR 20<sup>TH</sup> MEETING OF OPERATION & COORDINATION COMMITTEE OF MP TO BE HELD ON 26<sup>TH</sup> July 2010 AT SLDC, MPPTCL, JABALPUR**

**ITEM NO. 1 : CONFIRMATION OF MINUTES**

Minutes of 19<sup>th</sup> meeting of Operation & coordination committee of MP held on 04-05-2010 at SGTPS, Birsinghpur was uploaded on the SLDC website and intimation was given to all the members of the Committee vide Letter No. 07-05/SG-9B-II/1269 dated 02-07-2010. No comments were received from the members.

**The committee may confirm the minutes.**

**ITEM NO. 2 : REVIEW OF SYSTEM OPERATION DURING THE MONTH OF APRIL 2010 TO JUNE 2010.**

**2.1 Frequency Particulars**

The frequency profile during April 2010 was poor as compared to previous month. The average frequency during the month was recorded as 49.27 Hz and system frequency below 49.2 Hz was for 39.63 % of time as compared to 5.99% time during March 2010. The frequency dipped below 48.8 Hz on 438 occasions. As per revised IEGC notified on 28-04-2010 which came into force from 03-05-2010, the operational frequency band has been narrowed down from 49.2-50.3 Hz to 49.5-50.2 Hz.

The detailed frequency particulars for the month of April. 2010 to June 2010 are enclosed at Annexure-2.1. The brief details of frequency profile is given hereunder :

Month	Average frequency	minimum integrated frequency over an hour	maximum integrated frequency over an hour	instantaneous minimum frequency	Instantaneous maximum frequency
APR 10	49.27 Hz	48.74 Hz	49.96 Hz	48.56 Hz	50.51 Hz
MAY 10	49.73 Hz	49.02 Hz	50.57 Hz	48.76 Hz	50.80 Hz
JUN 10	49.83 Hz	49.36 Hz	50.42 Hz	48.77 Hz	50.72 Hz

**The Committee may like to note.**

**2.2 Operational Matters**

**2.2.1 Operational Discipline**

System operated in terms of frequency profile for the period April 2010 to May 2010 is as given below :

Month	% of time Frequency Below 49.2 Hz (APR) and below 49.5 Hz (MAY & JUNE)	% of time Frequency above 50.30 Hz(APR) and above 50.2 Hz (MAY & JUNE)	% of time frequency within the permissible range of 49.2-50.3 Hz(APR) and of 49.5-50.2 Hz (MAY & JUNE)	The average monthly frequency	No. of times frequency dipped below 48.8 Hz
APR-10	39.63	0.13	60.24	49.27	438
MAY-10	18.10	2.73	79.17	49.73	16
JUN -10	5.84	4.39	89.77	49.61	02

The total number of instances of significant violation of IEGC by the DISCOMs by overdrawing at frequency below 49.2 Hz during the month of April 2010 and below 49.5 Hz for MAY & June 2010 is as given hereunder:

MONTH	East Discom	Central Discom	West Discom	Total
APR-10	518	217	544	1279
MAY-10	234	225	357	816
JUN-10	109	121	86	316

**Committee may like to discuss for proper load shedding management by each Discoms to avoid Instances of significant violation of IEGC.**

**The Committee may like to Discuss.**

### 2.3.1 Voltage Profile

Date wise voltage profile at some of the important 400 KV and 220 KV substations during the month of April to June 2010 is enclosed at Annexure -2.3.

During the month of April to June 2010, the deviation of voltage from the accepted limit on either side was recorded at following location in MP Grid.

#### MAXIMUM VOLTAGE

Sr. No.	Name of Substation	APR-10		MAY-10		JUN-10	
		Max. Voltage		Max. Voltage		Max. Voltage	
		Voltage	Date	Voltage	Date	Voltage	Date
1	Indore	426	18	423	25,26	424	28
2	Itarsi	430	01	430	26,31	431	03
3	Bina	430	14	431	31	431	05
4	Gwalior	429	30	434	11	431	27
5	Nagda	430	01	434	04	432	17

#### MINIMUM VOLTAGE

Sr. No.	Name of Substation	APR-10		MAY-10		JUN-10	
		Min. Voltage		Min. Voltage		Min. Voltage	
		Voltage	Date	Voltage	Date	Voltage	Date
1	Indore	--	--	--	--	--	--
2	Itarsi	--	--	--	--	--	--
3	Bina	--	--	--	--	--	--
4	Gwalior	--	--	374	15	359	24
5	Nagda	--	--	--	--	--	--

The problem of overvoltage conditions at Indore 400 KV s/s and Nagda 400 KV s/s is primarily due to low demand period/load shedding and the low voltage conditions at Gwalior 400 KV s/s was due to overdrawal by NR. In the 16<sup>th</sup> OCC meeting, the C.E.(PS), MPPTCL and OSD, SLDC had suggested that the line reactors of 400 KV Nagda–Rajgarh line may be converted to Bus reactors to utilize the same for voltage control at Nagda 400 KV s/s and desired that the Planning Cell may work out necessary modification required for the same. Vide UO No. D-210 dated 06-07-2010 SLDC has requested CE(PS) to take up the matter with concerned section for converting one of the line reactors of 400 KV Nagda-Rajgarh lines as bus reactor. The CE(PS) may inform the status.

**The Committee may discuss.**

### 2.3.2 Status of Capacitor Banks in sub-transmission system

The details of capacitor bank installation on 33 & 11 KV feeders were discussed in the last OCCM and as per the inputs given by the DISCOMs the status is as indicated below.

UTILITY	600 KVAR Capacitor Banks		1200 KVAR Capacitor Banks		Remark
	Ordered	Commissioned	Ordered	Commissioned	
East Zone	27	25	49	36	2 Nos 600 KVAR capacitors shall be commissioned by 1 <sup>ST</sup> week of Feb' 10 and 13 Nos 1200 KVAR capacitors by end of Feb'10.
West Zone	410	392	196	180	Civil work for 5 Nos 600 KVAR and 9 Nos 1200 KVAR capacitors is completed and civil work is under progress for 6 Nos 600 KVAR and 6 Nos 1200 KVAR Capacitors. West DCC representative shall submit the schedule for balance 7 Nos. 600 KVAR and 1 Nos. 1200 KVAR Capacitors.
Central Zone	-	-	588	582	Balance 6 Nos. expected to be installed by end of Feb'10. Central Discom may confirm the same.

The DISCOMs have been requested vide letter No. 07-05/RPC-27/1284 dated 07-07-2010 to submit the details of total capacitor banks of different capacities installed till 31<sup>st</sup> March 2010 and the details of capacitor banks in working conditions and the action plan to rectify the faulty capacitor banks. It was also requested to furnish the details of capacitor banks proposed for installation during 2010-11 latest by 15-07-2010. However the information is not received from any DISCOMs. The same may be submitted before the 20<sup>th</sup> OCC meeting.

**(Action Discoms)**

### 2.4.1 Status of completion of on going Transmission Schemes being executed by MPPTCL

The updated status on various ongoing Transmission Schemes for the current financial year i.e. Year - 2010-2011 is not submitted by CE(PS). The CE(S/S) has been requested vide UO No. D-212 dated 07-07-2010 to furnish the same alongwith progress thereof, before 20<sup>th</sup> OCC meeting. The CE(S/S) may furnish the information.

**(Action : Planning Cell)**

## **2.4.2 U/F and df/dt Relay Operation**

- (i) The details of under frequency and DF/DT operation is given in annexure 2.4.2

**The Committee may discuss.**

- (ii) Status of replacement of defective under frequency & df/dt relays and installation of under frequency & df/dt relays at 33 KV feeders at newly constructed EHV S/s may be furnished by T&C.

**(Action : T&C)**

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

Despite repeated persuasion the consolidated information regarding status of healthiness of DRs & SERs and GPS time stamping facility, is not being furnished by OSD(T&C), MPPTCL and ED(O&M:Gen), MPPGCL to SLDC. Vide UO No. D-213 dated 07-07-2010, SLDC requested ED(O&M:Gen), MPPGCL and OSD(T&C), MPPTCL to start furnishing the desired information every month in the given format. The format is attached as Annexure 2.4.3.

**[Action MPPGCL / MPPTCL].**

## **2.5 Power Cuts / Load restrictions/Differential Load Shedding by DISCOMS & group allocation to 33 KV feeders**

- (i) Details of Discom wise Power cuts and Regulatory measures during Apr 2010 to Jun 2010 are enclosed at Annexure 2.5.

- (ii) **Schedule & Unschedule Load Shedding data** : The DCCs were requested to furnish to SLDC the hourly Schedule & Unschedule load shedding data including load relief from differential LS and weekly off in MW on daily basis to work out the unrestricted demand in realistic manner at the end of each day. The information is being received from East & Central DCC in the prescribed format. However, despite agreeing to provide data West DISCOM has not started furnishing the same. The West DISCOM may give the specific commitment and start furnishing the data at the end of each shift to SLDC so that unrestricted demand computation could be made correctly. The East Discom is not furnishing the information of duration of group wise / district wise load shedding details at the end of each shift to SLDC by their own and only on telephonic contact by SLDC the information is given on phone. The East DCC may start furnishing the information by fax/email daily.

**(Action DISCOMS)**

- (iii) It has been observed that during 18:00 to 21:00 hrs EAST DISCOM underdraws from the grid when there is no load shedding and overdraws during 21:00 to 24:00 hrs when there is load shedding of rural and Tahsil feeders. The EAST DISCOM may offer the reason for the same alongwith necessary corrective measures to be adopted.

**(Action EAST DISCOM)**

## **ITEM NO. 3 : OPERATIONAL PLANNING**

### **3.1 Anticipated Power Supply Position for the Month of July-2010 to March 2011 and Demand estimation :**

Details of Anticipated Demand and Source wise Availability for the period July 2010 to March-2011 is enclosed in Annexure-3.1. This has been worked out on the basis of Demand Estimation as furnished by the DISCOMs and availability as furnished by the respective authorities for 2010-11.

### **3.2 Month Ahead Demand Estimation :**

As per MPERC regulation (MPEGC), the DISCOMs have to provide daily demand on month ahead by 25<sup>th</sup> for the next month. After repeated persuasion in the OCC meetings, the DISCOMs have submitted the year ahead monthly demand estimation data for the year 2010-11 to SLDC. However, daily demand estimation on month ahead is not being furnished by the DISCOMs even after assurance given in each OCC meeting since September 2009. In this reference relevant MPEGC clauses are again reproduced hereunder for reference :

*“QUOTE”*

7.3.1 The long-term demand estimation/ load forecast (for more than 1 year) shall be done by the planning department of STU in accordance with the provisions of Section 4. SLDC shall be provided with a copy of the same as and when it is finalised. Demand Estimation for period up to 1 year ahead shall be done by SLDC.

7.3.2 Discoms shall provide to the SLDC their estimates of demand for the year ahead on month-basis at each inter connection point for the next financial year by 15th November each year. Discoms shall also provide daily demand on month ahead at each inter connection point by 25th for the next month.

*“UNQUOTE”*

The C.E.(P&W),MPPuKVVCL, Jabalpur, C.E.(Commercial), MPPKVVCL, Indore and CGM (Commercial), MPMKVVCL, Bhopal have been requested vide UO No. D-211 dated 07-07-2010 to take the action in the matter so that the data as per MPEGC is made available by DISCOMs to SLDC by 25<sup>th</sup> of every month.

The DISCOMs are requested to give specific commitment for the same.

**(Action DISCOMs).**

### **3.3 Generating Units under planned outage and proposed maintenance programme-**

The details of Actual/proposed maintenance programme for April 2010 to March 2011 as furnished by MPPGCL is given in Annexure-3.2.

**Committee May like to note.**

### **3.4 Proposed shutdown programme of Transmission lines / Transformers -**

The proposed maintenance programme for the period 16<sup>th</sup> Jul to 15<sup>th</sup> Aug-2010 is annexed at Annexure-3.3.

**Committee May like to note.**

### **3.5 Long Outages of transmission elements :**

The transmission elements as detailed below are under long outages.

<b>S N</b>	<b>Line/Transformer/Breaker/ Reactor etc under long outage</b>	<b>Outage date</b>	<b>Reason</b>	<b>Expected date of restoration.</b>
1	63 MVAR Bus-I Reactor at Satpura TPS	24.05.2005	Damage of all three limbs along with reactor tank	Order has been placed to BHEL. The delivery schedule is 15 months i.e. July 2011.

**Action MPPGCL**

**ITEM NO. 4 : OPERATIONAL STATISTICS FOR THE MONTH OF APRIL TO JUNE 2010.**

The details of actual generation, Schedule from Central Sector demand etc. are given in the following Annexure:

- Annex. 4.1 Unit wise actual Generation of MPPGCL thermal Units and station wise Generation of MPPGCL& NHDC Hydel Units.
- Annex. 4.2 Power Supply Position.
- Annex. 4.3 Hourly Average of Availability and Demand.
- Annex. 4.4 Monthwise target of Thermal Generation of MPPGCL

**The Committee may like to note.**

**ITEM NO. 5 : SYSTEM DISTURBANCE IN MP FOR THE MONTH OF APRIL TO JUNE 2010.**

There was no significant system disturbance reported during the period April to June 2010.

**ITEM NO. 6 : REVIEW OF SYSTEM OPERATION & MANAGEMENT**

**6.1 PREPAREDNESS OF MPPGCL FOR IMPLEMENTATION OF BALANCING & SETTLEMENT CODE -**

The MPERC has implemented the Balancing & Settlement code in the state from 1<sup>st</sup> November 2009. The matter of establishing full fledged ABT monitoring cells at thermal power stations and providing adequate communication facility at thermal and hydel power stations has been discussed in the last OCC Meetings in which MPPGCL was requested to submit the report to SLDC.

In the last OCC meeting MPPGCL had agreed to submit the report by 15<sup>th</sup> May 2010, however the report is not received so far.

**Action: MPPGCL**

**ITEM NO. 7.0 : ADDITIONAL OPERATIONAL ISSUES :**

**7.1 REPORTING OF TRIPPING DETAILS :**

In the 412<sup>th</sup> OCC meeting of WRPC it was informed that as per clause 5.9.6(c) of the new IEGC, a written report shall be sent to NLDC, RLDC, a User, STU, CTU, SLDC as the case may be, in the reporting formats as devised by the appropriate Load Despatch Centre and will confirm the oral notification together with the following details of the events:



- I. Time & date of event
- II. Location:
- III. Plant and/or equipment directly involved:
- IV. Description and cause of event:
- IV. Antecedent conditions of load and generation, including frequency, voltage and flow in the affected area at the time of tripping including Weather Condition prior to the event
- VI. Duration of interruption and demand and /or generation(in mw and mwh) interrupted:
- VII. All relevant system data including copies of record of all recording instruments including DR, ER, DAS etc:
- VIII. Sequence of trippings with time:
- IX. Details of relay flags:
- X. Remedial measure:

As decided by WRPC the constituents have to send all the details to WRLDC for each and every event. Accordingly MPPGCL, MPPTCL and NHDC are requested to send all the details to SLDC, Jabalpur.

**ACTION : MPPTCL/MPPGCL/NHDC**

### **7.2 Implementation of restricted governor mode of operation on all generating units installed :**

The In 411th OOC meeting the schedule for operation of restricted governor mode of operation was intimated. The generating units in WR are to implement it in line with provision under IEGC clause 5.2(f) under system security aspect. All concern utilities were requested to ensure implementation of the provision as per stipulated schedule.

WRLDC intimated that all concerned agencies/generation utilities have furnished the necessary details for inclusion in the consolidated report on the trial operation conducted for restricted free governor mode of operation. A consolidated report would be issued soon.

### **7.3 Submission of Information by SLDC to WRLDC as per Revised Grid Code :**

In the 412<sup>th</sup> OCC meeting of WRPC it was intimated that as per clause 5.5.1(h) of IEGC “Non-compliance of instructions of SLDC by SEB/Distribution Licenses/Bulk Consumers to curtail drawal resulting in non-compliance if IEGC” is to be uploaded on WRLDC website on weekly basis and also to be forwarded to CERC. WRPC has given the format the same and is enclosed at annex- 7.3. The WRPC has stated that in case of no Non-compliance of instructions of SLDC by SEB/Distribution Licenses/Bulk Consumers, a **nil** report is required to be sent to WRLDC. The SLDC shall send the report on weekly basis to WRLDC accordingly.

**The Committee may like to note.**

### **7.4 Black-Start facilities and Schedule for Mock Exercise :**

As per IEGC clause 5.8(b), mock trial runs of the recovery procedures for different subsystem would have to be carried out at least once every six months under intimation to RLDC. The Diesel Generator sets for black start would be tested on weekly basis and test report shall be sent to WRLDC on quarterly basis. Accordingly in the 411<sup>th</sup> OCC meeting of WRPC it has been decided that to facilitate black start, the information regarding DG sets available in various constituents needs to be updated and forwarded to WRLDC. MPPGCL and NHDC may submit the information regularly to SLDC Jabalpur. It is also agreed the constituents shall indicate the schedule of mock trial run of their subsystems for next one year as per the proforma enclosed at Annexure-7.4.

**ACTION : MPPGCL/NHDC**

## **7.5 Preparation of contingency scheme by distribution companies:**

In the Suo-motu petition no.246/2009, vide order dated 28.04.2010 CERC has directed, SLDC and Distribution Companies in the State to be prepared with contingency scheme to handle the unprecedented situations endangering the safety and security of the grid. The SLDC was further directed to ensure that such contingency schemes were placed in the control centers of all the Distribution Companies for their awareness and necessary action. The WRPC through OCC meeting has requested all SLDC's to get prepared with contingency scheme by distribution companies in their respective control areas and to ensure that such contingency schemes were placed in the control centers of all the Distribution Companies for their awareness and necessary action. The DISCOMs may prepare the contingency plan and ensure the compliance of CERC's directives.

**ACTION : DISCOMs**

## **ITEM NO 8 : SCADA/EMS RELATED ISSUES :**

### **8.1 PROGRESS OF INSTALLATION OF NEW RTUS ALONG WITH PLCC DATA LINKS AT EHV S/S :**

The MPPTCL may submit the progress of providing new RTUs and required PLCC equipments at substations.

**(Action Planning, MPPTCL)**

### **8.2 MAINTENANCE OF TELEMETERING EQUIPMENTS AT EHV STATIONS AND POWER STATIONS :**

The maintenance of Remote Terminal Units installed in MPPTCL and MPPGCL power stations have to be finalized by the respective companies. The progress in this regard may be submitted in the OCC meeting. Action taken may be informed to the Committee.

**(ACTION : T&C, MPPTCL & O&M : GEN, MPPGCL)**

### **8.3 DISCREPANCY IN TELEMETERED VALUES RECEIVED FROM DIFFERENT EHV S/S & POWER STATIONS :-**

The discrepancy in telemetered values from Power Stations & S/s was brought to the notice of the concerned officials from time to time. Though the action is taken for restoration of some of the parameters, many telemetered values are still not received correctly in SCADA system or are not extended / configured in the telemetry equipments in the field. The list of faulty telemetered values/process connections is detailed in annexure-8.3(i) & 8.3(ii).

**(ACTION : T&C, MPPTCL & O&M : GEN, MPPGCL)**

### **8.4 UPGRADATION OF EXISTING RTUS :-**

The details of scope of work for upgradation of the existing RTUs on account of commissioning of new feeders and transformers has been worked out by SLDC and forwarded to OSD (T&C). The MPPTCL may initiate action for upgradation of existing RTUs so that the telemetry of new feeders/transformers is available before coming Rabi season.

**Action- T&C & Planning**

## **8.5 SHIFTING OF OPGW IN PROPOSED DIVERTED ROUTE FROM 220 KV JABALPUR TO 400 KV SUKHA S/S**

In the 18<sup>th</sup> OCC meeting, the representatives from Planning, MPPTCL informed that the order for procurement of OPGW cable has been placed and the OPGW shifting shall be done at the time of route diversion. The details regarding schedule of work and receipt of material may be intimated in the OCC meeting.

**ACTION-PLANNING MPPTCL.**

### **ITEM NO. 9: Intra-State Long Term Open Access Customers :-**

In the last OCC meeting the CE(PS) had requested the Discoms to furnish the detailed list of existing Intra-State long term open access customers whose agreement period expired / likely to be expired. The representative from Power System confirmed that West DISCOM has furnished the information. The East DISCOM has informed that they will furnish the reply to CE(PS) by 20<sup>th</sup> May 2010. The Central DISCOM has mentioned that the issue is related with commercial section of MP for which representative of Power system asked to confirm the same by a letter, which the Central DISCOM agreed. The progress in the matter shall be informed by Power System.

### **ITEM NO. 10:**

**Any other issue with the permission of the chair:**

### **ITEM No. 11 : DATE AND VENUE OF NEXT OCC MEETING ::**

It is proposed to hold 21<sup>st</sup> meeting of Operation and Coordination Committee of MP on 20<sup>th</sup> September 2010. If any constituent of the OCC is willing to host the meeting, the same is welcomed.

## FREQUENCY PARTICULARS

Particulars	Apr-10		May-10		Jun-10	
<b>INTEGRATED OVER AN-HOUR</b>						
Maximum Frequency	49.96 Hz	Between 18.00 hrs & 19.00 Hrs on 25.04.10	50.57 Hz	Between 0700 Hrs & 0800 Hrs on 28.05.10	50.42 Hz	Between 0300 Hrs & 0400 Hrs on 25.06.10
Minimum Frequency	48.74 Hz	Between 04.00 hrs & 05.00 Hrs on 17.04.10	49.02 Hz	Between 14.00 hrs & 15.00 Hrs on 18.05.10	49.36 Hz	Between 19.00 hrs & 20.00 Hrs on 19.06.10
Average Frequency	49.27 Hz		49.73 Hz		49.83 Hz	
<b>INSTANTANEOUS FREQUENCY</b>						
Maximum Frequency	50.51 Hz	AT 18.19 HRS ON 25.04.10	50.8 Hz	AT 08.20 HRS ON 28.05.10	50.72 Hz	AT 18.06 HRS ON 06.06.10
Minimum Frequency	48.56 Hz	AT 05.39 HRS ON 17.04.10	48.76 Hz	AT 23.07 HRS ON 15.05.10	48.77 Hz	AT 23.53 HRS ON 01.06.10

### Percentage of time when frequency was :-

%age of time when frequency was	Apr-10	%age of time when frequency was	May-10	Jun-10
Below 48.5 Hz	0.00		0	0
Between 48.50 Hz and 48.8 Hz	3.68		0.02	0
Between 48.80 Hz and 49.2 Hz	35.95		2.45	0.57
Between 49.20 Hz and 49.5 Hz	40.48		15.63	5.27
Between 49.50 Hz and 49.8 Hz	16.67	Between 49.50 Hz and 49.7 Hz	26.24	17.2
Between 49.80 Hz and 50.2 Hz	3.00	Between 49.70 Hz and 50.2 Hz	52.93	72.57
Between 50.20 Hz and 50.3 Hz	0.09		1.66	3.01
Between 50.30 Hz and 51.0 Hz	0.13		1.07	1.38
Above 51.0 Hz	0.00		0	0
No. of times frequency touched 48.80 Hz	438		16	2
No. of times frequency touched 48.60 Hz	4		0	0
No. of times frequency touched 51.0 Hz	0		0	0

### Voltage Profile During the Month of April 2010

Date	Indore		Itarsi		Bina		Gwalior		Nagda	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	423	402	430	409	427	406	423	390	430	407
2	421	403	428	409	425	405	422	392	427	407
3	418	401	426	405	422	403	422	389	426	405
4	420	403	425	406	424	407	429	391	426	409
5	419	400	426	408	423	401	421	393	427	406
6	422	400	427	409	423	402	423	396	427	406
7	420	399	427	410	422	405	421	402	426	404
8	417	400	426	410	420	404	421	397	423	404
9	419	404	426	413	425	409	426	403	424	409
10	419	404	427	411	425	406	425	396	428	409
11	422	407	428	413	425	404	426	394	427	412
12	420	410	429	417	427	412	425	404	424	413
13	420	403	428	411	425	412	424	403	424	413
14	420	402	428	409	430	412	426	397	424	413
15	419	400	425	409	427	412	426	406	427	404
16	410	398	424	408	423	403	422	397	428	404
17	419	401	425	409	423	405	424	402	427	409
18	426	403	420	407	425	407	424	396	424	398
19	421	403	426	413	427	408	429	403	427	408
20	420	406	425	409	423	409	424	400	427	407
21	421	404	426	410	424	409	425	406	427	407
22	417	399	422	405	425	406	424	401	424	406
23	416	402	421	410	424	405	425	400	421	407
24	419	400	425	407	421	404	419	392	427	407
25	419	407	427	411	423	402	424	397	426	411
26	419	398	424	403	417	397	416	392	425	403
27	417	397	424	403	419	388	418	383	422	400
28	417	405	425	411	425	409	421	398	424	410
29	417	398	424	406	421	402	421	393	422	403
30	418	400	424	408	423	408	429	390	424	406
<b>Max / Min</b>	<b>426</b>	<b>397</b>	<b>430</b>	<b>403</b>	<b>430</b>	<b>388</b>	<b>429</b>	<b>383</b>	<b>430</b>	<b>398</b>

### Voltage Profile During the Month of MAY 2010

Date	Indore		Itarsi		Bina		Gwalior		Nagda	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	414	397	422	407	415	405	418	386	420	402
2	419	405	427	412	415	405	418	386	426	409
3	417	399	422	406	417	405	416	386	423	405
4	417	405	420	410	417	397	416	383	434	409
5	416	401	423	413	423	406	420	385	424	409
6	420	406	427	412	425	408	420	394	427	409
7	416	403	426	409	427	408	432	402	423	406
8	414	397	423	407	422	406	425	401	420	402
9	417	399	427	410	429	412	425	402	424	405
10	419	406	426	412	423	412	419	402	429	410
11	420	398	426	405	426	402	424	410	426	401
12	420	396	425	406	420	404	418	391	427	403
13	419	402	426	411	422	408	418	388	426	404
14	420	402	426	410	420	404	415	383	428	406
15	415	400	423	406	414	396	413	374	424	404
16	419	404	427	411	414	396	413	374	426	409
17	417	398	424	405	415	397	413	392	424	402
18	415	397	421	403	415	399	413	388	424	403
19	416	396	422	404	415	397	413	382	424	404
20	421	404	425	410	422	404	413	387	430	411
21	420	404	427	411	424	400	413	382	426	410
22	421	393	426	406	426	404	426	378	429	394
23	421	398	428	407	423	397	418	390	427	403
24	416	395	420	403	417	395	412	376	423	402
25	423	402	428	409	430	402	413	379	429	409
26	423	403	430	410	423	403	414	381	427	408
27	419	401	429	407	423	396	415	389	424	402
28	419	399	427	408	424	401	428	406	425	404
29	419	408	424	408	424	404	425	391	427	407
30	420	400	428	407	427	401	427	396	428	407
31	419	402	430	411	431	408	429	395	427	406

### Voltage Profile During the Month of June 2010

Date	Indore		Itarsi		Bina		Gwalior		Nagda	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	418	402	426	410	422	407	421	387	427	406
2	421	388	430	394	424	388	421	378	428	392
3	421	400	431	410	427	410	427	392	428	406
4	422	404	428	414	430	412	429	401	428	410
5	418	403	426	410	431	408	430	403	426	409
6	417	400	423	406	424	400	426	399	427	409
7	421	395	427	407	417	407	426	397	432	394
8	414	395	420	400	419	410	424	406	426	403
9	416	390	421	402	425	409	427	403	430	399
10	413	392	421	400	421	402	420	389	426	399
11	419	399	425	409	419	402	413	387	427	399
12	416	392	421	400	417	401	410	389	423	399
13	420	395	425	404	423	395	424	383	426	400
14	419	397	426	400	411	393	419	386	428	401
15	422	398	426	402	424	400	422	381	427	404
16	421	400	424	404	421	395	417	371	426	406
17	422	398	425	402	420	394	415	370	427	403
18	419	401	424	406	417	397	408	376	425	406
19	419	401	424	406	415	390	410	366	425	406
20	419	401	424	406	416	393	414	368	425	406
21	419	401	424	406	414	393	407	364	425	406
22	419	401	424	406	413	393	411	365	425	406
23	420	399	426	403	422	394	415	367	426	404
24	419	401	424	406	424	397	422	364	425	405
25	416	400	422	405	426	399	428	374	422	405
26	413	397	417	402	426	398	415	370	421	404
27	421	403	425	409	428	397	431	386	430	410
28	424	402	427	405	430	394	428	368	428	403
29	420	403	424	406	417	393	416	363	427	406
30	413	392	417	399	408	395	406	367	416	398
<b>Max</b>	<b>424</b>	<b>388</b>	<b>431</b>	<b>394</b>	<b>431</b>	<b>388</b>	<b>431</b>	<b>363</b>	<b>432</b>	<b>392</b>

**Datewise Under Frequency (48.8 Hz & 48.6 Hz) & Df / Dt Operation  
in Madhya Pradesh**

Month : April-2010					Month : May 2010				Month : June 2010			
Date	U/F 48.8 Hz		48.6		U/F 48.8 Hz		48.6 Hz		U/F 48.8 Hz		48.6 Hz	
	No.of Occasion	MAX LOAD RELIEF IN MW	No.of Occasion	MAX LOAD RELIEF IN MW	No.of Occasion	MAX LOAD RELIEF IN MW	No.of Occasion	MAX LOAD RELIEF IN MW	No.of Occasion	MAX LOAD RELIEF IN MW	No.of Occasion	MAX LOAD RELIEF IN MW
1	0	0.0	0	0.0	0	0.0	0	0.0	1	52.4	0	0.0
2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
3	2	137.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4	0	0.0	0	0.0	2	73.8	0	0.0	0	0.0	0	0.0
5	8	124.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6	2	19.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7	10	89.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8	8	51.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
9	10	104.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10	9	140.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
12	5	267.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
13	6	38.7	0	0.0	1	77.4	0	0.0	0	0.0	0	0.0
14	14	113.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15	16	146.7	0	0.0	1	150.5	0	0.0	0	0.0	0	0.0
16	18	159.9	4	11.0	0	0.0	0	0.0	0	0.0	0	0.0
17	42	266.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
18	6	196.6	0	0.0	7	72.5	0	0.0	0	0.0	0	0.0
19	4	113.3	0	0.0	1	195.2	0	0.0	0	0.0	0	0.0
20	4	80.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	9	115.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	16	109.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	31	160.0	1	4.0	0	0.0	0	0.0	0	0.0	0	0.0
24	16	167.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25	3	36.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
26	4	36.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
27	12	146.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
28	16	180.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
29	4	40.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30	2	21.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31					0	0.0	0	0.0				
<b>TOTAL</b>	<b>277</b>	<b>267.90</b>	<b>5</b>	<b>11.00</b>	<b>12</b>	<b>195.20</b>	<b>0</b>	<b>0.00</b>	<b>1</b>	<b>52.40</b>	<b>0</b>	<b>0.00</b>

**DF/DT OPERATION IN MP SYSTEM**

DATE	TIME	Freq Setting	ACTUAL	MAX LOAD RELIEF IN MW
22.04.10	4:00	49.9 Hz (0.1 Hz/sec)	55.2	55.2
1-Jun-10	23:54	49.9 Hz (0.1 Hz/sec)	3.5	4.0
13-Jun-10	19:15	49.9 Hz (0.1 Hz/sec)	6.4	22.0
11-Jan-10	6:03	49.9 Hz (0.2 Hz/sec)	78.0	78.0

NOTE :- U/F 48.2 Hz Operation - NIL

**HEALTHINESS OF SEQUENCE OF EVENT RECORDERS AND DISTURBANCE RECORDERS**

SN	NAME OF POWER STATION/SUBSTATION	Name of Feeder	Details of SERs / DRs	Status	Time stamping whether provided GPS Synchronised	REMARK
1	ATPS					
2	SGTPS					
3	STPS					
4	BARGI HPS					
5	GANDHISAGAR HPS					
6	PENCH HPS					
7	BANSAGAR-I (TONS) HPS					
8	BANSAGAR-II (SILPARA) HPS					
9	BANSAGAR-III (DEVLOND) HPS					
10	BANSAGAR-IV (ZINNA) HPS					
11	RAJGHAT HPS					
12	MADHIKHEDA HPS					
13	BIRSINGHPUR HPS					
14	INDIRASAGAR HPS					
15	OMKARESHWAR HPS					
16	400 KV S/S BHOPAL					
17	400 KV S/S BINA					
18	400 KV S/S INDORE					
19	400 KV S/S NAGDA					



**HEALTHINESS OF SEQUENCE OF EVENT RECORDERS AND DISTURBANCE RECORDERS**

SN	NAME OF POWER STATION/SUBSTATION	Name of Feeder	Details of SERs / DRs	Status	Time stamping whether provided GPS Synchronised	REMARK
20	220 KV S/S RAJGARH					
21	220 KV S/S ITARSI					
22	220 KV S/S SATNA					
23	220 KV S/S GWALIOR					
24	220 KV S/S SEONI					
25	220 KV S/S SUKHA					
26	220 KV S/S NEPANAGAR					
27	220 KV PITHAMPUR					
28	220 KV NIMRANI					
29	220 KV BURWAHA					
30	220 KV JULWANIA					
31	220 KV BADOD					
32	220 KV PANDHURNA					
33	220 KV MALANPUR					
34	220 KV MEHGAON					
35	220 KV KATNI					
36	220 KV DAMOH					
37	220 KV SAGAR					
38	220 KV TIKAMGARH					

**HEALTHINESS OF SEQUENCE OF EVENT RECORDERS AND DISTURBANCE RECORDERS**

SN	NAME OF POWER STATION/SUBSTATION	Name of Feeder	Details of SERs / DRs	Status	Time stamping whether provided GPS Synchronised	REMARK
39	220 KV HOSHANGABAD					
40	220 KV BIRSINGHPUR					
41	220 KV REWA					
42	220 KV SIDHI					
43	132 KV WAIDHAN					
44	132 KV MORWA					
45	132 KV KOTMA					
46	132 KV BALAGHAT					
47	132 KV BANEGAON					
48	132 KV KARERA					
49	132 KV PICHHORE					
50	132 KV BINA					
51	132 KV GAROTH					
52	132 KV SUWASARA					
53	132 KV MANASA					
54	132 KV LAKHNADAUN					
55	132 KV SEONI					
56	132 KV JABALPUR					

### Discoms wise Average Supply Hours

PARTICULARS	East Zone			Central Zone		
	Apr-10	May-10	Jun-10	Apr-10	May-10	Jun-10
Commissinary HQ	21:33	21:38	21:46	23:48	23:55	24:00
District HQ	18:36	19:17	19:33	19:37	20:21	20:38
Tehsil HQ	13:07	16:15	13:29	13:32	13:31	13:47
Rural -3Phase	9:44	9:31	9:29	10:25	9:36	9:39
Rural -1Phase	0:00	0:00	0:00	0:00	0:00	0:00
Total Rural	9:44	9:31	9:29	10:25	9:36	9:39
PARTICULARS	West Zone			MP		
	Apr-10	May-10	Jun-10	Apr-10	May-10	Jun-10
Commissinary HQ	22:31	22:19	22:02	22:32	22:35	22:38
District HQ	18:55	18:47	18:25	18:50	19:20	19:25
Tehsil HQ	13:14	12:55	13:03	13:16	13:15	13:28
Rural -3Phase	10:15	9:32	8:54	10:06	9:33	9:22
Rural -1Phase	0:00	0:00	0:00	0:00	0:00	0:00
Total Rural	10:15	9:32	8:54	10:06	9:33	9:22

## Anticipated Average Availability at MP Periphery: 2010-11

Figures in MW

Particulars	Jul-10					Aug-10					Sep-10				
	0 to 06	06 to 12	12 to 18	18 to 24	Energy in MU	0 to 06	06 to 12	12 to 18	18 to 24	Energy in MU	0 to 06	06 to 12	12 to 18	18 to 24	Energy in MU
Thermal (R-05)	1870	1870	1870	1870	1391	1570	1570	1570	1570	1168	1590	1590	1590	1590	1145
Hydel	200	10	10	470	128	240	200	230	670	249	520	360	320	680	338
CSS	1630	1630	1630	1630	1213	1620	1620	1620	1620	1205	1720	1720	1720	1720	1238
ISP	110	0	0	400	95	130	40	130	800	205	190	40	150	880	227
SSP	80	20	20	250	69	100	60	100	400	123	100	60	100	400	119
Omkareshwar	50	50	50	130	52	80	50	50	300	89	100	100	50	300	99
DVC	50	50	50	50	37	50	50	50	50	37	50	50	50	50	36
Rihand +Matatila	15	15	15	15	11	15	15	15	15	11	15	15	15	15	11
<b>Total</b>	<b>4005</b>	<b>3645</b>	<b>3645</b>	<b>4815</b>	<b>2996</b>	<b>3805</b>	<b>3605</b>	<b>3765</b>	<b>5425</b>	<b>3088</b>	<b>4285</b>	<b>3935</b>	<b>3995</b>	<b>5635</b>	<b>3213</b>
Particulars	Oct-10					Nov-10					Dec-10				
	0 to 06	06 to 12	12 to 18	18 to 24	Energy in MU	0 to 06	06 to 12	12 to 18	18 to 24	Energy in MU	0 to 06	06 to 12	12 to 18	18 to 24	Energy in MU
Thermal (R-05)	1990	1990	1990	1990	1481	2080	2080	2080	2080	1498	2090	2090	2090	2090	1555
Hydel	620	450	340	730	398	490	420	410	740	371	340	260	300	620	283
CSS	1810	1810	1810	1810	1347	1750	1750	1750	1750	1260	1820	1820	1820	1820	1354
ISP	210	0	150	830	221	480	170	310	850	326	380	160	300	760	298
SSP	100	160	240	540	193	250	150	150	400	171	200	90	100	400	147
Omkareshwar	100	100	50	300	102	150	100	100	350	126	150	100	100	300	121
DVC	50	50	50	50	37	50	50	50	50	36	50	50	50	50	37
Rihand +Matatila	15	15	15	15	11	15	15	15	15	11	15	15	15	15	11
<b>Total</b>	<b>4895</b>	<b>4575</b>	<b>4645</b>	<b>6265</b>	<b>3791</b>	<b>5265</b>	<b>4735</b>	<b>4865</b>	<b>6235</b>	<b>3798</b>	<b>5045</b>	<b>4585</b>	<b>4775</b>	<b>6055</b>	<b>3806</b>
Particulars	Jan-11					Feb-11					Mar-11				
	0 to 06	06 to 12	12 to 18	18 to 24	Energy in MU	0 to 06	06 to 12	12 to 18	18 to 24	Energy in MU	0 to 06	06 to 12	12 to 18	18 to 24	Energy in MU
Thermal (R-05)	2090	2090	2090	2090	1555	2090	2090	2090	2090	1404	2090	2090	2090	2090	1555
Hydel	260	130	130	670	221	210	50	90	640	166	100	40	80	490	132
CSS	1930	1930	1930	1930	1436	1980	1980	1980	1980	1331	2000	2000	2000	2000	1488
ISP	440	100	120	690	251	330	90	110	660	200	330	90	110	630	216
SSP	300	130	100	400	173	300	130	100	400	156	100	60	80	300	100
Omkareshwar	150	80	60	250	100	150	70	60	230	86	150	70	60	230	95
DVC	50	50	50	50	37	50	50	50	50	34	50	50	50	50	37
Rihand +Matatila	15	15	15	15	11	15	15	15	15	11	15	15	15	15	11
<b>Total</b>	<b>5235</b>	<b>4525</b>	<b>4495</b>	<b>6095</b>	<b>3785</b>	<b>5125</b>	<b>4475</b>	<b>4495</b>	<b>6065</b>	<b>3388</b>	<b>4835</b>	<b>4415</b>	<b>4485</b>	<b>5805</b>	<b>3634</b>

## Basis of Anticipated Availability for 2010-2011

- 1 Central Sector :- Availability from Central Sector as per Generation target of NTPC/NPC received from WRPC, Mumbai including 200 MW for drought prone area of Bundelkhand.
- 2 Thermal :- As furnished by O&M : Generation , MPPGCL (as per R-5). & excluding Aux. Cons.
- 3 Hydel :- As furnished by O & M Hydel.
- 4 ISP,OSP and SSP : As furnished by Respective Authority.
- 5 Maheshwar : not considered due to uncertainty.
- 5 DVC : Considering Availability as furnished by MP Tradeco.

TENTATIVE MAINTENANCE PROGRAMME OF MPPGCL THERMAL UNITS FOR THE YEAR 2010-2011 R-06																				7/7/2010									
STATION	UNIT No.	AOH START	AOH COMP	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	No of Days	REMARKS												
AMK-II	3	1/Aug/10	31-Dec													152	C.O.H.	R&M											
AMK-II	4	1/Apr/10	20-Jul													110	C.O.H.	R&M											
AMK-III	5	4/Aug/10	29-Aug													25	A.O.H.												
STP-I	1	22/Jun/10	9-Jul													18	A.O.H.												
STP-I	2	10/Aug/10	27-Aug													18	A.O.H.												
STP-I	3	20/Jul/10	6-Aug													18	A.O.H.												
STP-I	4	31/May/10	26-Jun													27	A.O.H.												
STP-I	5	9/May/10	27-May													18	A.O.H.												
STP-II	6	Deferred																											
STP-II	7	1/Sep/10	30-Sep													30	C.O.H.	IP Rtr replace, HP blade & Gr.Tr.Replace											
STP-III	8	25/Jun/10	20-Jul													26	A.O.H.												
STP-III	9	1/Apr/10	12-Apr													11	A.O.H.												
SGTPS-I	1	1/Aug/10	10-Sep													40	A.O.H.	HPH, HP Rotor, A/H Tube & Plate Replacement											
SGTPS-I	2	10/Sep/10	20-Oct													40	A.O.H.	A/H plate & Tube replacement											
SGTPS-II	3	20/Jul/10	9-Aug													21	A.O.H.												
SGTPS-II	4	21/Aug/10	30-Sep													40	C.O.H.	HPT repair, HPBP valve replace											
SGTPS-III	5	12/Apr/10	30-Apr													18	A.O.H.												
Capacity under Planned Maintenance				330	620	141	183	183	273	372	292	673	743	750	750	330	190	120	120	120	120	0	0	0	0	0	0		
PLANNED MAINTENANCE %				11	21	5	6	6	9	13	10	23	25	26	26	11	6	4	4	4	4	0	0	0	0	0	0		
AVAILABLE CAPACITY ON BARS AFTER PLANNED MAINTENANCE				2603	2313	2792	2750	2750	2659	2561	2641	2260	2190	2183	2183	2603	2743	2813	2813	2813	2813	2933	2933	2933	2933	2933	2933		
THERMAL AVAILABILITY AFTER CONSIDERING FORCED & PARTIAL OUTAGES IN MW INCLUDING AUX. CONSUMPTION				1851	1884	1607	1974	1767	1733	2189	2285	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300			

A.O.H       C.O.H

<b>Unitwise / Stationwise Generation in MU</b>					
<b>A. Thermal</b>					
Strn. Name	UNIT No.	Capacity MW	Apr-10	May-10	June-10
<b>AMARKANTAK</b>	3	120	34.228	24.21	0.00
	4	120	0	0.00	0.00
	<b>PH II</b>	<b>240</b>	<b>34.228</b>	<b>24.21</b>	<b>0.00</b>
	<b>PH III</b>	<b>210</b>	<b>129.671</b>	<b>127.07</b>	<b>121.07</b>
	<b>TOT</b>	<b>450</b>	<b>163.899</b>	<b>151.28</b>	<b>121.07</b>
<b>SATPURA</b>	1	62.5	35.377	34.21	22.55
	2	62.5	37.547	38.08	32.31
	3	62.5	33.954	33.12	24.56
	4	62.5	30.606	32.91	5.98
	5	62.5	29.721	11.16	32.50
	<b>PH I</b>	<b>312.5</b>	<b>167.205</b>	<b>149.49</b>	<b>117.91</b>
	6	200	127.47	104.59	81.44
	7	210	119.06	90.54	82.62
	<b>PH II</b>	<b>410</b>	<b>246.53</b>	<b>195.12</b>	<b>164.06</b>
	8	210	112.755	100.01	56.71
	9	210	65.32	100.00	80.52
<b>PH III</b>	<b>420</b>	<b>178.075</b>	<b>200.00</b>	<b>137.23</b>	
<b>TOT</b>	<b>1142.5</b>	<b>591.81</b>	<b>544.62</b>	<b>419.20</b>	
<b>SANJAY GANDHI</b>	1	210	97.348	91.48	78.29
	2	210	81.824	75.69	78.63
	<b>PH I</b>	<b>420</b>	<b>179.172</b>	<b>167.17</b>	<b>156.92</b>
	3	210	122.983	114.60	90.82
	4	210	131.68	115.13	88.37
	<b>PH II</b>	<b>420</b>	<b>254.663</b>	<b>229.73</b>	<b>179.19</b>
	<b>PH III</b>	<b>500</b>	<b>142.976</b>	<b>309.01</b>	<b>280.38</b>
	<b>TOT</b>	<b>1340</b>	<b>576.81</b>	<b>705.91</b>	<b>616.49</b>
<b>MPPGCL THERMAL</b>		<b>2932.5</b>	<b>1332.52</b>	<b>1401.80</b>	<b>1156.76</b>
AMARKANTAK POWER HOUSE-I RETIRED FROM SERVICE WEF 01.04.2009					
<b>B. Hydel</b>					
Station Name	Capacity MW	Apr-10	May-10	June-10	
GANDHISAGAR	115.0	1.14	4.48	4.38	
R.P.SAGAR	172.0	1.90	0.01	1.84	
J.SAGAR	99.0	1.84	0.72	1.32	
CHAMBAL	386.0	4.88	5.21	7.53	
M.P.CHAMBAL	193.0	2.44	2.60	3.77	
PENCH	160.0	31.38	28.70	11.61	
M.P.PENCH	107.0	20.92	19.13	7.74	
BARGI	90.0	32.63	21.94	23.78	
TONS	315.0	66.40	45.49	55.04	
BIRSINGHPUR	20.0	0.00	0.00	0.01	
B.SGR(DEOLONDH)	60.0	0.00	0.00	3.43	
B.SGR(SILPARA)	30.0	6.80	4.58	5.61	
RAJGHAT	45.0	0.00	0.00	0.00	
M.P.RAJGHAT	22.5	0.00	0.00	0.00	
B.SGR(JINHA)	20.0	0.00	0.00	0.00	
MADIKHEDA	60.0	0.00	0.00	0.00	
<b>TOTAL HYDEL</b>	<b>1186.0</b>	<b>170.32</b>	<b>132.87</b>	<b>126.04</b>	
MPPGCL Hydel	915.0	138.34	105.20	103.84	
MPSEB HYDEL Share	917.5	129.19	93.76	99.36	
<b>C. NHDC</b>					
Indira Sagar Hydel Project	1000	158.95	96.59	74.52	
Omkareshwar Hydel Project	520	75.17	49.15	40.99	

**MP SUPPLY EXCLUDING AUXILIARY CONS.**  
**in Million Units**

S.No.	Particulars	Apr-10	May-10	Jun-10
1	MPSEB Thermal Availability	1136.08	1207.77	984.60
2	MPSEB Hydel Availability	127.55	92.25	97.38
3	Indira Sagar	160.06	96.45	74.52
4	Omkareshwar	75.17	49.15	40.99
5	Schedule / Drawal From Central Sector	1304.88	1345.81	1347.22
6	Schedule of DVC	38.59	36.49	45.79
7	Sardar Sarovar	169.25	95.69	90.25
8	Additional Power Purchase	0.00	14.06	9.04
9	Sale of Power	-27.09	-89.28	-86.40
10	Banking of Power	-5.02	-59.08	-169.93
11	Energy Exchange	0.00	0.00	0.00
12	Unschedule Interchange	-74.01	116.08	156.59
13	Other Imp / Exp	106.13	104.06	104.28
<b>14</b>	<b>Total MPSEB Supply excl. Aux. Cons.</b>	<b>3011.60</b>	<b>3009.44</b>	<b>2694.34</b>
15	Average Supply per Day	100.39	97.08	89.81
16	Maximum Daily M.P. Supply	99.87	96.87	102.64
17	Minimum Daily M.P. Supply	93.06	87.95	95.58
18	Registered Demand : MW	5576	5233	5954
24	Unrestricted Demand : MW	6885	6516	6972

**Hourly Average Own Generation, Schedule Drawal , Actual Drawal & Demand**  
**Month :- April 2010**

**FIGURES IN MW**

Hrs.	FREQ.	Own Generation							Schedule from													Tot Avl.	Act. Drl	UI	Oth er Imp/Exp	DEMAND MET	Load Shedding			REST. DEMAND	UNRES T. DEMAND
		Ther. Incl Aux	Ther. Excl Aux	HYD.	ISP	OSP	Injection from STOA	Total	CSS	DVCE R	SSP	SEZ	Banking	Sale	Pur	Exchange	STOA	Rihand+ Mata	Total	SCH	UNSCH						TOTAL				
1:00	47.59	1792	1631	245	473	223	52	2624	1679	49	186	9	165	-20	0	0	-52	7	2024	4648	1992	-32	0	4616	594	0	594	4955	5549		
2:00	47.69	1792	1631	221	452	208	52	2564	1678	49	172	9	165	-17	0	0	-52	7	2014	4577	1960	-54	0	4524	646	0	646	4850	5496		
3:00	47.71	1790	1629	188	371	175	51	2414	1678	49	126	9	232	-18	0	0	-51	7	2032	4446	1973	-59	0	4387	552	0	552	4710	5262		
4:00	47.73	1794	1632	73	215	102	52	2075	1678	49	51	9	240	-11	0	0	-52	7	1972	4047	1869	-104	0	3943	719	0	719	4263	4983		
5:00	47.61	1789	1628	48	40	25	52	1793	1678	49	51	9	247	-7	0	0	-52	7	1983	3776	1827	-156	0	3620	953	0	953	3956	4909		
6:00	47.82	1793	1631	47	17	10	55	1760	1680	49	51	9	247	-34	0	0	-55	7	1955	3715	1733	-222	0	3493	1075	0	1075	3801	4876		
7:00	47.86	1803	1640	25	7	3	58	1733	1678	49	44	10	244	-65	0	0	-58	7	1909	3642	1757	-152	0	3490	1103	0	1103	3792	4895		
8:00	48.01	1795	1634	19	7	3	59	1721	1661	49	44	10	230	-36	0	0	-59	7	1906	3628	1625	-281	0	3347	1245	0	1245	3628	4872		
9:00	47.87	1778	1618	48	10	5	67	1748	1658	49	47	10	192	-81	0	0	-67	7	1815	3563	1672	-143	0	3420	1344	0	1344	3721	5064		
10:00	47.87	1777	1617	140	67	30	68	1921	1672	49	272	9	-213	-62	0	0	-68	7	1667	3589	1558	-109	0	3479	1323	0	1323	3779	5102		
11:00	47.83	1770	1611	163	71	37	67	1948	1671	49	296	9	-268	-68	0	0	-67	7	1630	3578	1582	-48	0	3530	1351	0	1351	3836	5187		
12:00	47.78	1766	1607	198	88	45	68	2006	1665	49	312	9	-268	-68	0	0	-68	7	1640	3646	1574	-67	0	3579	1307	0	1307	3892	5200		
13:00	47.89	1769	1610	201	95	47	66	2019	1664	49	300	9	-264	-65	0	0	-66	7	1634	3653	1615	-19	0	3634	1163	0	1163	3932	5095		
14:00	47.73	1765	1606	173	95	50	66	1990	1662	49	290	9	-264	-70	0	0	-66	7	1617	3607	1536	-81	0	3525	1210	0	1210	3845	5055		
15:00	47.67	1752	1594	168	75	40	62	1939	1668	49	154	9	-264	-72	0	0	-62	7	1489	3428	1431	-58	0	3371	1222	0	1222	3699	4922		
16:00	47.77	1764	1605	147	78	39	62	1930	1668	49	55	9	-264	-72	0	0	-62	7	1390	3320	1282	-108	0	3212	1327	0	1327	3527	4854		
17:00	47.87	1770	1610	108	43	23	62	1847	1659	49	45	9	-264	-56	0	0	-62	7	1388	3235	1177	-210	0	3025	1291	0	1291	3325	4616		
18:00	48.02	1785	1624	88	50	30	63	1855	1672	49	48	10	-219	-52	0	0	-63	7	1453	3308	1372	-81	0	3227	1055	0	1055	3506	4561		
19:00	47.75	1781	1621	275	285	135	63	2379	1654	49	404	10	0	0	0	0	-63	7	2062	4441	2063	1	0	4442	1072	0	1072	4759	5831		
20:00	47.69	1798	1636	299	472	212	65	2685	1663	48	517	10	0	0	0	0	-65	7	2179	4864	2014	-165	0	4699	1146	0	1146	5024	6171		
21:00	47.65	1808	1645	315	565	258	66	2849	1663	48	517	9	0	0	0	0	-66	7	2179	5028	2081	-97	0	4931	1111	0	1111	5262	6373		
22:00	47.79	1807	1644	339	611	284	64	2941	1667	48	517	9	0	0	0	0	-64	7	2184	5126	2208	24	0	5150	1066	0	1066	5461	6527		
23:00	47.56	1800	1638	304	593	276	63	2873	1674	48	509	9	0	0	0	0	-63	7	2185	5058	2036	-149	0	4909	1068	0	1068	5253	6321		
24:00	47.66	1794	1633	277	537	247	61	2756	1674	48	263	9	0	0	0	0	-61	7	1941	4696	1947	6	0	4702	938	0	938	5033	5971		
<b>Avg.</b>	<b>47.77</b>	<b>1785</b>	<b>1624</b>	<b>171</b>	<b>222</b>	<b>105</b>	<b>61</b>	<b>2182</b>	<b>1669</b>	<b>49</b>	<b>219</b>	<b>9</b>	<b>-14</b>	<b>-36</b>	<b>0</b>	<b>0</b>	<b>-61</b>	<b>7</b>	<b>1836</b>	<b>4026</b>	<b>1745</b>	<b>-99</b>	<b>0</b>	<b>3927</b>	<b>1078</b>	<b>0</b>	<b>1078</b>	<b>4242</b>	<b>5320</b>		
<b>00 TO 06 HRS.</b>	47.69	1792	1630	137	261	124	52	2205	1678	49	106	9	216	-18	0	0	-52	7	1997	4202	1892	-104	0	4097	757	0	757	4422	5179		
<b>06 TO 12 HRS.</b>	47.87	1781	1621	99	42	21	64	1846	1667	49	169	9	-14	-63	0	0	-64	7	1761	3608	1628	-133	0	3474	1279	0	1279	3775	5053		
<b>12 TO 18 HRS.</b>	47.82	1767	1608	147	73	38	64	1930	1665	49	148	9	-257	-64	0	0	-64	7	1495	3425	1402	-93	0	3332	1211	0	1211	3639	4850		
<b>06 TO 18 HRS.</b>	47.85	1774	1615	123	57	29	64	1888	1666	49	159	9	-135	-64	0	0	-64	7	1628	3516	1515	-113	0	3403	1245	0	1245	3707	4952		
<b>18 TO 24 HRS.</b>	47.68	1798	1636	302	511	235	63	2747	1666	48	454	9	0	0	0	0	-63	7	2122	4869	2058	-63	0	4805	1067	0	1067	5132	6199		



**Hourly Average Own Generation, Schedule Drawal , Actual Drawal & Demand**  
**Month :- May 2010**

**FIGURES IN MW**

Hrs.	FREQ.	Own Generation							Schedule from													Tot Avl.	Act. Drl	UI	Oth er Imp/ Exp	DEMA ND MET	Load Shedding			REST. DEMAN D	UNRES T. DEMAN D
		THER. Incl Aux	THER. Excl Aux	HYD.	ISP	OSP	Injectio n from STOA	Total	CSS	DVC ER	SSP	SEZ	Banki ng	Sale	Pur	Exch ange	STO A	Riha nd+ Mata	Total	SCH	UNSCH						TOTAL				
1:00	49.69	1893	1722	194	293	106	42	2357	1720	46	5	10	17	-120	28	0	-42	7	1671	4028	1862	191	0	4219	960	0	960	4263	5223		
2:00	49.72	1909	1737	131	214	81	41	2204	1723	46	5	10	111	-120	29	0	-41	7	1772	3975	1950	178	0	4153	989	0	989	4192	5181		
3:00	49.82	1900	1729	107	113	63	41	2053	1728	45	5	10	159	-120	30	0	-41	7	1823	3875	2042	219	0	4094	973	0	973	4120	5093		
4:00	49.86	1903	1731	71	36	34	40	1912	1731	45	5	10	159	-120	30	0	-40	7	1827	3739	2051	224	0	3963	825	0	825	3983	4808		
5:00	49.66	1890	1719	51	16	30	39	1856	1734	45	5	10	159	-120	30	0	-39	7	1831	3687	1998	168	0	3854	849	0	849	3903	4752		
6:00	49.94	1894	1724	49	13	40	38	1865	1731	43	5	10	159	-120	28	0	-38	7	1825	3689	1911	86	0	3776	810	0	810	3784	4594		
7:00	49.86	1887	1717	41	6	40	37	1841	1728	43	5	10	65	-120	8	0	-37	7	1709	3550	1909	200	0	3750	658	0	658	3770	4428		
8:00	49.96	1869	1701	33	3	44	37	1817	1725	43	5	10	65	-120	8	0	-37	7	1705	3522	1829	124	0	3646	774	0	774	3652	4426		
9:00	49.87	1863	1695	44	3	44	42	1828	1720	45	5	10	-77	-120	8	0	-42	7	1555	3383	1655	99	0	3483	1007	0	1007	3501	4508		
10:00	49.93	1857	1690	69	44	45	42	1890	1722	47	94	10	-270	-120	30	0	-42	7	1478	3368	1516	38	0	3406	1089	0	1089	3416	4506		
11:00	49.81	1854	1687	87	57	47	45	1923	1717	47	100	10	-286	-120	30	0	-45	7	1461	3384	1590	128	0	3513	1214	0	1214	3539	4752		
12:00	49.71	1857	1690	109	54	47	46	1946	1710	47	107	10	-288	-120	30	0	-46	7	1457	3403	1529	72	0	3474	1348	0	1348	3515	4863		
13:00	49.79	1858	1690	113	57	47	46	1954	1711	47	110	10	-324	-120	30	0	-46	7	1425	3379	1521	95	0	3475	1335	0	1335	3504	4839		
14:00	49.64	1855	1688	121	51	49	47	1955	1718	47	110	10	-323	-120	30	0	-47	7	1432	3388	1489	57	0	3444	1352	0	1352	3496	4847		
15:00	49.70	1852	1685	122	42	47	49	1945	1720	47	53	10	-326	-120	30	0	-49	7	1374	3318	1459	85	0	3403	1351	0	1351	3446	4797		
16:00	49.75	1855	1688	122	45	52	48	1954	1715	47	8	10	-325	-120	30	0	-48	7	1325	3280	1431	106	0	3386	1323	0	1323	3420	4743		
17:00	49.90	1859	1692	100	41	55	47	1936	1715	47	8	10	-351	-120	8	0	-47	7	1277	3213	1377	100	0	3313	1166	0	1166	3328	4494		
18:00	50.07	1857	1690	84	44	55	44	1918	1721	47	8	10	-194	-120	8	0	-44	7	1443	3361	1668	224	0	3585	722	0	722	3576	4298		
19:00	49.94	1869	1701	175	191	81	44	2191	1714	46	388	10	-22	-120	0	0	-44	7	1978	4170	2273	295	0	4465	922	0	922	4473	5395		
20:00	49.73	1889	1719	237	341	102	44	2442	1722	49	514	10	-22	-120	0	0	-44	7	2116	4558	2282	166	0	4724	1097	0	1097	4761	5858		
21:00	49.71	1900	1729	257	355	116	43	2499	1720	49	517	9	-22	-120	0	0	-43	7	2118	4617	2286	168	0	4786	1187	0	1187	4827	6014		
22:00	49.78	1909	1737	262	404	132	44	2579	1722	49	527	9	-22	-120	0	0	-44	7	2128	4708	2380	252	0	4959	1161	0	1161	4990	6151		
23:00	49.66	1898	1727	249	407	135	43	2561	1734	49	347	9	-69	-120	0	0	-43	7	1914	4475	2137	223	0	4698	1212	0	1212	4746	5957		
24:00	49.74	1898	1727	248	365	132	44	2516	1730	49	36	9	-7	-120	0	0	-44	7	1661	4176	1789	128	0	4304	1272	0	1272	4341	5612		
<b>Avg.</b>	<b>49.80</b>	<b>1878</b>	<b>1709</b>	<b>128</b>	<b>133</b>	<b>68</b>	<b>43</b>	<b>2081</b>	<b>1722</b>	<b>47</b>	<b>124</b>	<b>10</b>	<b>-85</b>	<b>-120</b>	<b>18</b>	<b>0</b>	<b>-43</b>	<b>7</b>	<b>1672</b>	<b>3760</b>	<b>1830</b>	<b>151</b>	<b>0</b>	<b>3911</b>	<b>1066</b>	<b>0</b>	<b>1066</b>	<b>3939</b>	<b>5006</b>		
<b>00 TO 06 HRS.</b>	49.78	1898	1727	100	114	59	40	2041	1728	45	5	10	127	-120	29	0	-40	7	1791	3832	1969	178	0	4010	901	0	901	4041	4942		
<b>06 TO 12 HRS.</b>	49.86	1864	1697	64	28	45	41	1874	1720	45	52	10	-132	-120	19	0	-41	7	1561	3435	1671	110	0	3545	1015	0	1015	3566	4581		
<b>12 TO 18 HRS.</b>	49.81	1856	1689	110	47	51	47	1944	1717	47	50	10	-307	-120	23	0	-47	7	1380	3323	1491	111	0	3434	1208	0	1208	3462	4670		
<b>06 TO 18 HRS.</b>	49.83	1860	1693	87	37	48	44	1909	1719	46	51	10	-220	-120	21	0	-44	7	1470	3379	1581	111	0	3490	1112	0	1112	3514	4625		
<b>18 TO 24 HRS.</b>	49.76	1894	1723	238	344	116	44	2465	1723	48	388	10	-27	-120	0	0	-44	7	1986	4451	2191	205	0	4656	1142	0	1142	4690	5831		

**Hourly Average Own Generation, Schedule Drawal , Actual Drawal & Demand**  
**Month :- June 2010**

**FIGURES IN MW**

Hrs.	FREQ.	Own Generation							Schedule from													Tot Avl.	Act. Drl	UI	Oth er Imp/Exp	DEMAND MET	Load Shedding			REST. DEMAND	UNRES T. DEMAND
		THER. Incl Aux	THER. Excl Aux	HYD.	ISP	OSP	Injection from STOA	Total	CSS	DVC ER	SSP	SEZ	Banking	Sale	Pur	Exchange	STO A	Riha nd+ Mata	Total	SCH	UNSCH						TOTAL				
1:00	49.83	1592	1449	223	239	87	30	2027	1777	61	24	10	-261	-133	11	0	-30	1	1461	3488	1965	504	-48	3993	866	0	866	4017	4883		
2:00	49.90	1598	1454	151	115	53	30	1802	1779	61	24	10	-167	-85	21	0	-30	1	1615	3417	2114	499	-48	3916	869	0	869	3931	4800		
3:00	49.90	1586	1443	121	65	37	30	1697	1781	61	24	10	-90	-85	22	0	-30	1	1694	3391	2142	448	-48	3839	848	0	848	3852	4700		
4:00	50.03	1581	1439	78	22	15	33	1587	1778	60	24	10	-90	-85	22	0	-33	1	1688	3275	2070	382	-48	3657	724	0	724	3653	4378		
5:00	49.83	1592	1448	60	9	30	28	1575	1780	60	9	10	-90	-85	22	0	-28	1	1679	3254	1990	311	-48	3565	699	0	699	3589	4289		
6:00	50.01	1605	1461	50	9	49	28	1597	1782	60	5	10	-90	-85	19	0	-28	1	1674	3271	1882	207	-48	3479	662	0	662	3478	4140		
7:00	49.94	1614	1469	35	0	43	28	1575	1758	60	5	10	40	-85	0	0	-28	1	1762	3337	1795	33	-48	3370	573	0	573	3378	3952		
8:00	50.06	1610	1465	32	0	47	28	1571	1752	60	5	10	40	-118	0	0	-28	1	1723	3295	1705	-18	-48	3276	743	0	743	3267	4010		
9:00	49.90	1600	1456	43	0	47	28	1574	1748	60	18	10	-37	-133	0	0	-28	1	1640	3213	1598	-41	-48	3172	925	0	925	3186	4110		
10:00	50.00	1572	1431	85	27	47	27	1616	1774	60	165	10	-439	-133	8	0	-27	1	1421	3037	1426	5	-48	3042	1063	0	1063	3042	4105		
11:00	49.88	1569	1428	96	65	45	32	1666	1772	60	171	10	-454	-133	22	0	-32	1	1418	3084	1664	247	-48	3331	1212	0	1212	3347	4559		
12:00	49.93	1580	1438	134	77	45	32	1727	1770	60	171	10	-455	-133	13	0	-32	1	1405	3132	1543	138	-48	3270	1478	0	1478	3280	4758		
13:00	49.95	1591	1447	144	57	43	36	1728	1779	61	144	10	-475	-133	13	0	-36	1	1365	3093	1652	288	-48	3381	1359	0	1359	3388	4747		
14:00	49.76	1590	1447	146	28	43	37	1701	1771	61	144	10	-475	-133	15	0	-37	1	1357	3058	1569	212	-48	3269	1406	0	1406	3303	4709		
15:00	49.84	1595	1451	155	31	42	35	1714	1769	60	101	10	-475	-133	13	0	-35	1	1310	3024	1500	190	-48	3214	1497	0	1497	3237	4734		
16:00	49.90	1597	1453	143	25	38	36	1695	1767	60	21	10	-477	-133	13	0	-36	1	1227	2922	1558	331	-48	3253	1393	0	1393	3268	4661		
17:00	49.96	1595	1451	104	16	38	35	1644	1747	60	3	10	-461	-133	17	0	-35	1	1210	2854	1478	267	-48	3122	1219	0	1219	3128	4347		
18:00	50.10	1620	1474	74	15	40	36	1639	1745	60	4	10	-316	-133	20	0	-36	1	1357	2996	1690	333	-48	3329	792	0	792	3316	4107		
19:00	49.95	1623	1477	128	122	66	35	1828	1734	60	233	10	-119	-133	21	0	-35	1	1772	3600	2075	303	-48	3902	858	0	858	3910	4768		
20:00	49.73	1637	1490	222	255	89	38	2094	1784	60	425	10	-118	-133	13	0	-38	1	2003	4097	2026	23	-48	4120	1129	0	1129	4158	5287		
21:00	49.73	1643	1495	256	299	108	37	2196	1789	59	437	10	-118	-133	0	0	-37	1	2008	4204	1950	-58	-48	4146	1432	0	1432	4184	5616		
22:00	49.75	1635	1488	270	358	114	37	2266	1788	59	434	10	-114	-133	0	0	-37	1	2008	4274	2201	193	-48	4467	1251	0	1251	4501	5752		
23:00	49.76	1617	1472	280	397	127	36	2312	1802	59	296	10	-247	-133	0	0	-36	1	1752	4064	1972	220	-48	4284	1221	0	1221	4318	5539		
24:00	49.83	1611	1466	253	329	119	38	2205	1797	59	34	10	-247	-133	0	0	-38	1	1483	3688	1763	280	-48	3968	1372	0	1372	3991	5363		
<b>Avg.</b>	<b>49.89</b>	<b>1602</b>	<b>1458</b>	<b>137</b>	<b>107</b>	<b>59</b>	<b>33</b>	<b>1793</b>	<b>1772</b>	<b>60</b>	<b>122</b>	<b>10</b>	<b>-239</b>	<b>-120</b>	<b>12</b>	<b>0</b>	<b>-33</b>	<b>1</b>	<b>1584</b>	<b>3378</b>	<b>1805</b>	<b>221</b>	<b>-48</b>	<b>3599</b>	<b>1066</b>	<b>0</b>	<b>1066</b>	<b>3613</b>	<b>4680</b>		
<b>00 TO 06 HRS.</b>	49.92	1592	1449	114	77	45	30	1714	1780	61	19	10	-131	-93	20	0	-30	1	1635	3349	2027	392	-48	3742	778	0	778	3753	4532		
<b>06 TO 12 HRS.</b>	49.95	1591	1448	71	28	46	29	1622	1763	60	89	10	-217	-122	7	0	-29	1	1561	3183	1622	60	-48	3243	999	0	999	3250	4249		
<b>12 TO 18 HRS.</b>	49.92	1598	1454	128	29	41	36	1687	1763	60	70	10	-447	-133	15	0	-36	1	1304	2991	1575	270	-48	3261	1278	0	1278	3273	4551		
<b>06 TO 18 HRS.</b>	49.93	1594	1451	99	28	43	32	1654	1763	60	79	10	-332	-127	11	0	-32	1	1433	3087	1598	165	-48	3252	1138	0	1138	3262	4400		
<b>18 TO 24 HRS.</b>	49.79	1628	1481	235	293	104	37	2150	1782	59	310	10	-160	-133	6	0	-37	1	1838	3988	1998	160	-48	4148	1210	0	1210	4177	5387		





## Annexure-7.4

### BLSCK START MOCK DRILL STATUS

Sr. No.	Station	Type Hy/Th/Gas	Capacity (MW)	Scheduled from January to June, 2010 (First Half)	Scheduled from July to Dec, 2010 (Second Half)	Actual for 2010 (First Half)	Actual for 2010 (Second Half)
1							
2							
3							
4							
5							

Sr.No	DESCRIPTION	Status	telemetry value at SLDC	actual value at site
<b>RTU name BHOPAL 400 KV S/S</b>				
1	400 KV Bhopal-Damoh I	CB	Not Available at SLDC as process connections for CB and SOE for these feeders is not extended. Further transducers for Bhopal-Bina feeders are not yet installed.	
2	400 KV Bhopal-Damoh I	SOE		
3	400 KV Bhopal-Damoh II	CB		
4	400 KV Bhopal-Damoh II	SOE		
5	220 KB Bhopal-Bina 1	MW		
6	220 KB Bhopal-Bina 1	MVAR		
7	220 KB Bhopal-Bina 2	MW		
8	220 KB Bhopal-Bina 2	MVAR		
9	220 KB Bhopal-Bina 1	CB		
10	220 KB Bhopal-Bina 1	SOE		
11	220 KB Bhopal-Bina 2	CB		
12	220 KB Bhopal-Bina 2	SOE		
13	400KV BHOPAL-DAMOH-2	MW	NOT AVAILABLE TO SLDC	
14	400KV BHOPAL-DAMOH-2	MVAR	NOT AVAILABLE TO SLDC	
15	220KV BHOPAL-SHUALPUR	CB	FAULTY	CLOSE
16	400/220 KV TRANSFORMER 3	OLTC	N/C	5
17	400 KV BUS1 & BUS 2 KV	KV	There is around 7 KV difference between BUS1 & BUS 2KV displayed at SLDC which need to be corrected.	
<b>RTU name BHOPAL 220 KV S/S</b>				
1	BHOPAL132 KV-CHAMBLE I	CB	FAULTY	CLOSE
2	BHOPAL132 KV- CHAMBLE II	CB	FAULTY	CLOSE
3	220 KV TRB	CB	FAULTY	OPEN
4	220KV BHOPAL-MANDIDEEP	SOE	NOT RECEIVED AT SLDC	
5	220KV BHOPAL-HOSHANGABAD	SOE		
6	220/132KV TRANSFORMER1	SOE		
7	220/132KV TRANSFORMER-2	MW	PROVISION OF THESE TELEMETRY NOT AVAILABLE IN RTU	
8	220/132KV TRANSFORMER-2	MVAR		
9	220/132KV TRANSFORMER-2	CB		
10	220/132 TRANSFORMER-2	SOE		
<b>RTU name BAIRAGARH 220 KV S/S</b>				
1	220 KV BUS 1	VOLTAGE	127	225
2	220 KV BUS 1	FREQUENCY	N/C	49.78
3	220 KV TRB	CB	FAULTY	OPEN
4	BAIRAGRAH 220KV-LALGHATI II	CB	FAULTY	CLOSE
5	220/132 KV TRANSFORMER 1	CB	FAULTY	CLOSE
6	132/33 XMER	OLTC	17	10
7	132KV BAIRAGRAH - BHOPAL NEW	CB	PROVISION OF THESE TELEMETRY NOT AVAILABLE IN RTU	
8	132KV BAIRAGRAH - BHOPAL NEW	MW		
9	132KV BAIRAGRAH -BHOPAL NEW	MVAR		
10	220/132 XMER (160MVA) NEW	CB		
11	220/132 XMER (160MVA) NEW	MW		
12	220/132 XMER (160MVA) NEW	MVAR		
13	132/33 XMER (20 MVA) NEW	CB		
14	132/33 XMER (20 MVA) NEW	MW		
15	132/33 XMER (20 MVA) NEW	MVAR		

RTU name PIPARIA 132 KV S/S				
DATA VALIDATION NOT DONE AS RTU IS BEING SHIFTED & COMMISSIONED AT PIPARIYA 220KV S/S				
RTU Name HANDIA 220 KV S/S				
1	220KV BUS VOLTAGE	KV	N/A	223
2	220KV BUS FREQUENCY	HZ	N/A	49.9
3	220KV HANDIA –ITARSI	MW	0	20
4	220KV HANDIA –ITARSI	MVAR	0	10
5	220KV HANDIA –BARWAHA	MW	2	15
6	220KV HANDIA –BARWAHA	MVAR	0	10
7	220KV HANDIA –ITARSI	CB	FAULTY	CLOSE
8	220KV HANDIA –BURWAHA	CB	FAULTY	CLOSE
9	220KV HANDIA-ITARSI	SOE	NOT RECEIVED	ACTED
10	220KV HANDIA-BURWAHA	SOE	NOT RECEIVED	ACTED
11	220/132 KV TRANSFORMER-1	SOE	NOT RECEIVED	ACTED
12	220 KV TRB	CB	FAULTY	CLOSE
13	132KV HANDIA-KANNOD	CB	FAULTY	CLOSE
14	132 KV HANDIA-HARDA	CB	TRANSIT	OPEN
15	132 /33KV TRANSFORMER-2	CB	FAULTY	CLOSE
16	220/132KV TRANSFORMER-2	CB	PROVISION FOR THIS NOT AVAILABLE IN RTU	
17	220/132KV TRANSFORMER-2	MW		
18	220/132KV TRANSFORMER-2	MVAR		
RTU name SARNI 220 KV S/S				
1	SARNI-SATPURA TPS 220 KV	CB	FAULTY	CLOSE
2	SARNI 220 KV TRB	CB	FAULTY	CLOSE
Sr.No	DESCRIPTION	status	telemetry value at SLDC	actual value at site
MALANPUR 220 KV S/S				
1	MLNPR-AURIYA NR FRQ	HZ	NON CURRENT	49.78
1	132/33 KV TRANSFORMER 4	CB	FAULTY	CLOSE
2	220 KV BUS COUPLER I	CB	FAULTY	CLOSE
3	220 KV BUS COUPLER II	CB	FAULTY	CLOSE
MEHGAON 220 KV S/S				
1	220 KV BUS TRANSFER	CB	FAULTY	OPEN
2	220 KV BUS TRANSFER	SOE	NOT AVALABLE	ACTED
3	220/132 KV TRANSFERMER-1	CB	FAULTY	CLOSE
4	220/132 KV TRANSFERMER-1	SOE	NOT AVALABLE	ACTED
5	220kV MEHGAON – MALANPUR	CB	FAULTY	CLOSE
6	220kV MEHGAON – MALANPUR	SOE	NOT AVALABLE	ACTED
7	220KV MEHGAON – AURIYA	CB	FAULTY	CLOSE
8	220KV MEHGAON – AURIYA	SOE	NOT AVALABLE	ACTED
9	220/132 KV TRANSFERMER (132 KVSIDE)	CB	FAULTY	CLOSE
10	220/132 KV TRANSFERMER (132 KVSIDE)	SOE	NOT AVALABLE	ACTED
11	132KV MEHGAON - RON	CB	FAULTY	CLOSE
12	132KV MEHGAON – RON	SOE	NOT AVALABLE	ACTED
13	132 KV BUS TRANSFER	CB	FAULTY	OPEN
14	132 KV BUS TRANSFER	SOE	NOT AVALABLE	ACTED
15	132 KV INTERCONNECTOR	CB	FAULTY	CLOSE
16	132 KV INTERCONNECTOR	SOE	NOT AVALABLE	ACTED
GWALIOR 220 KV S/S				
1	220KV GWALIOR-BINA2	MW	128	118
2	132/33 KV TRANSFORMER 4	OLTC	N/C	9
3	132/33 KV TRANSFORMER 5	OLTC	N/C	9
4	132KV GWALIOR -BANMORE	CB	FAULTY	CLOSE

4	132 KV TRB	CB	FAULTY	OPEN
5	132KV GWALIOR -TRACTION I	CB	FAULTY	CLOSE
6	132KV GWALIOR -TRACTION II	CB	FAULTY	CLOSE
7	220/132 XMER I(132KV SIDE)	CB	FAULTY	CLOSE
8	220KV GWL-MALANPUR	SOE	NOT AVALABLE	ACTED
9	220KV GWL-PGCIL1	SOE	NOT AVALABLE	ACTED
10	220KV GWL-PGCIL GWL-2	SOE	NOT AVALABLE	ACTED
11	220KV GWI-BINA1	SOE	NOT AVALABLE	ACTED
12	220KV GWL-BINA2	SOE	NOT AVALABLE	ACTED
13	220/132KV TRANSFORMER1	SOE	NOT AVALABLE	ACTED
<b>GUNA 220 KV S/S</b>				
1	220KV GUNA-BINA2	MW	NOT AVAILABLE. Need to be extended by utilizing transducer provided for transfer bus MW.	
2	220KV GUNA-BINA2	MW		
3	220KV GUNA-BINA1	SOE	NOT AVALABLE	ACTED
4	220/132KV TRANSFORMER- 1	SOE	NOT AVALABLE	ACTED
1	220/132 KV TRANSFORMER	OLTC	N/C	3
2	220 KV BUS 2	VOLTAGE	N/C	227
3	220 KV TRB	CB	FAULTY	OPEN
4	220/132KV TRANSFORMER-2	CB	PROVISION FOR TELEMETRY NOT AVAILABLE	
5	220/132 KV TRANSFORMER-2	MW		
6	220/132 KV TRANSFORMER-2	MVAR		
Sr.No	DESCRIPTION	status	telemetry value at SLDC	actual value at site
<b>RTU name -Indore 400 KV S/S</b>				
1	400KV INDORE -ITS II	CB	OPEN	CLOSE
2	220KV TRANSFER BUS	CB	OPEN	CLOSE
3	220KV INDORE -BURWAHA 1	CB	OPEN	CLOSE
4	400 INDORE-ASOJ 1 SOE			
5	400KV INDORE-BARWAHA 220KV 1			
6	400KV INDORE-ISP 1 SOE			
7	400KV INDORE-ITARSI 2 SOE			
8	400KV INDORE-JETPURA 220			
9	400KV INDORE MBUS1 BP SOE			
10	400KV INDORE MBUS1 220 SOE			
11	400KV INDORE-NAGDA SOE			
12	400KV INDORE-OMKARESHWAR 220 SOE			
13	400KV INDORE-PITHAMPUR 220 SOE			
<b>RTU Name INDORE NZ 220 KV S/S</b>				
1	220 KV BUS 2	VOLTAGE	0	227
2	160 MVA XMER 1	OLTC	6	8
3	40 MVA XMER	OLTC	4	5
4	220 KV TRB	CB	FAULTY	OPEN
5	220 KV BUS COUPLER	CB	FAULTY	OPEN
6	220/132 XMER NEW	CB	Provision for these telemetry not available in rtu.need to be arranged.	
7	220/132 XMER NEW	MW		
8	220/132 XMER NEW	MVAR		
9	220KV INDNZ-UJJAIN1	MW		
10	220KV INDNZ-UJJAIN1	MVAR		
11	220KV INDNZ-UJJAIN1	CB		
12	220KV INDNZ-UJJAIN1	SOE		
13	220KV INDNZ-UJJAIN 2	MW		
14	220KV INDNZ-UJJAIN 2	MVAR		
15	220KV INDNZ-UJJAIN 2	CB		
16	220KV INDNZ-UJJAIN2	SOE		
17	132/33 XMER NEW	CB		
18	132/33 XMER NEW	MW		
19	132/33 XMER NEW	MVAR		



Sr.No	DESCRIPTION	status	telemetry value at SLDC	actual value at site
<b>RTU Name INDORE CHAMBLE132 KV S/S</b>				
1	20 MVA XMER	CB	FAULTY	CLOSE
2	CHAMBLE132 KV-INDORE N.ZONE II	CB	FAULTY	CLOSE
3				
4				
5				
<b>RTU name -Indore S.ZONE 220 KV S/S</b>				
1	160 MVA TRANSFORMER	OLTC	17	11
2	3X40 MVA TRANSFORMER I	OLTC	1	16
3	3X40 MVA TRANSFORMER II	OLTC	15	16
4	40 MVA TRANSFORMER I	OLTC	9#	11
5	40 MVA TRANSFORMER II	OLTC	17	4
6	160 MVA TRANSFORMER	CB	OPEN	CLOSE
7	IND S/Z TO CAT -1	CB	OPEN	CLOSE
8	220KV SZ-JETPURA	CB	FAULTY	CLOSE
8	IND S/Z TO CHAMBLE	CB	OPEN	CLOSE
9	3X40 MVA TRANSFORMER II(132KV SIDE)	CB	OPEN	CLOSE
10	IND S/Z TO UJJAIN	CB	FAULTY	CLOSE
	220/132 XMER NEW	CB	TELEMETRY MAY BE PROVIDE BY UTILISING TRANSDUCERS OF INTERCONNECTER FEEDER	
	220/132 XMER NEW	MW		
	220/132 XMER NEW	MVAR		
<b>RTU name Pitampur 220 KV S/S</b>				
1	220 KV TRB	CB	FAULTY	OPEN
2	PITAMPUR 220 KV-RATLAM	CB	FAULTY	CLOSE
3	220 KV BUS COUPLER	CB	FAULTY	OPEN
3	132/33 KV TRANSFORMER 2	OLTC	N/C	8
4	132/33 KV TRANSFORMER 3	OLTC	N/C	11
5	PITAMPUR 132 KV-HML	CB	FAULTY	OPEN
6	132 KV TRB	CB	FAULTY	OPEN
7	132 KV BUS COUPLE	CB	FAULTY	OPEN
8	132/33 KV TRANSFORMER 1	CB	OPEN	CLOSE
9	132/33 KV TRANSFORMER 2	CB	OPEN	CLOSE
10	132/33 KV TRANSFORMER 3	CB	OPEN	CLOSE
11	132/33 KV TRANSFORMER NEW	PROVISION FOR TELEMETRY NOT AVAILABLE		
<b>RTU name Burwaha 220 KV S/S</b>				
1	160 MVA XMER	OLTC	17	3
2	3X40 MVA XMER	OLTC	17	3
3	63 MVA XMER	OLTC	17	4
4	220 KV BUS COUPLER	CB	FAULTY	OPEN
5	220 /132 KV TRANSFORMER 1	CB	FAULTY	CLOSE
6	220 /132 KV TRANSFORMER 2 (132 KV SIDE)	CB	FAULTY	CLOSE
7	220 /132 KV TRANSFORMER2 (132 KV SIDE)	CB	FAULTY	CLOSE
8	BURWAHA 132KV-CHEGAON	CB	FAULTY	CLOSE
9	BURWAHA 220 KV NIMRANI	CB	FAULTY	CLOSE
<b>RTU name Neapanagar 220 KV S/S</b>				
1	160 MVA XMER	OLTC	1	9
2	3X40 MVA XMER	OLTC	17	15
3	63 MVA XMER	OLTC	17	5
4	220 KV TRB	CB	FAULTY	OPEN
5	NEPA -CHEGAON 132 KV	CB	FAULTY	CLOSE
6	132/33 XMER (20 MVA) NEW	CB	NOT AVAILABLE	CLOSE
7	132/33 XMER (20 MVA) NEW	MW	NOT AVAILABLE	15
8	132/33 XMER (20 MVA) NEW	MVAR	NOT AVAILABLE	5
Sr.No	DESCRIPTION	status	telemetry value at SLDC	actual value at site

<b>RTU name - NAGDA 400 KV S/S</b>						
1	400/220 KV ICT II	OLTC	N/C	7		
2	400/220 KV ICT III	OLTC	N/C	7		
3	NGD –BINA 400 I & II	CB	PROVISION FOR THESE TELEMETRY NOT AVAILABLE. RTU NEED TO BE UPGRADED FOR PROVIDING THESE TELEMETRIES.			
4	NGD –BINA 400 I & II	SOE				
5	NGD –RAJGRAH 400 I & II	CB				
6	NGD –RAJGRAH 400 I & II	SOE				
7	NGD –DEHGAON 400 I & II	CB				
8	NGD –DEHGAON 400 I & II	SOE				
9	400/220 KV XMER 3	CB				
10	400/220 KV XMER 3	SOE				
11	220KV NAGDA-RATLAM 1 & II	MW				
12	220KV NAGDA-RATLAM 1 & II	MVAR				
13	220KV NAGDA-RATLAM 1 & II	CB				
<b>RTU name NAGDA 220 KV S/S</b>						
1	125 MVA TRANSFORMER	OLTC			9#	8
2	160 MVA TRANSFORMER	OLTC	17	12		
3	40 MVA TRANSFORMER -II	OLTC	17	5		
4	125 MVA TRANSFORMER (132KV)	CB	FAULTY	CLOSE		
5	125 MVA TRANSFORMER	CB	OPEN	CLOSE		
6	220 KV BUS COUPLER	CB	FAULTY	OPEN		
18	220/132 XMER (132 SIDE)	CB	FAULTY	CLOSE		
8	160 MVA TRANSFORMER-2	CB	FAULTY	CLOSE		
9	220/132 XMER -3 NEW	CB	PROVISION FOR THESE TELEMETRY NOT AVAILABLE. RTU NEED TO BE UPGRADED FOR PROVIDING THESE TELEMETRIES			
10	220/132 XMER -3 NEW	MW				
11	220/132 XMER -3 NEW	MVAR				
12	220/33 XMER -4 NEW	CB				
13	220/33 XMER -4 NEW	MW				
14	220/33 XMER -4 NEW	MVAR				
15	NAGDA 132 KV GRASIM	CB				
16	NAGDA 132 KV GRASIM	MW				
17	NAGDA 132 KV GRASIM	MVAR				
19	NAGDA132KV RATADIYA	CB			FAULTY	CLOSE
<b>RTU name DEWAS 220 KV S/S</b>						
1	BUS COUPLER 132 KV	CB	FAULTY	OPEN		
2	DEWAS IC II	CB	FAULTY	OPEN		
3	132 /33 KV TRANSFORMER 1	OLTC	N/C	8		
4	132/33 KV TRANSFORMER 2	OLTC	N/C	7		
5	220/132 KV TRANSFORMER 1	OLTC	N/C	7		
6	220/132 KV TRANSFORMER 2	OLTC	N/C	7		
7	DEWAS 220 KV -INDORE EAST	CB	FAULTY	CLOSE		
8	DEWAS 220 KV -INDORE 400KV S/S	CB	FAULTY	CLOSE		
9	DEWAS 132 KV -CHAPDA	CB	FAULTY	CLOSE		
10	220/132 XMER NEW	CB	NOT AVAILABLE	CLOSE		
11	220/132 XMER NEW	MW	NOT AVAILABLE	55		
12	220/132 XMER NEW	MVAR	NOT AVAILABLE	10		
13	132/33 XMER NEW	CB	NOT AVAILABLE	CLOSE		
14	132/33 XMER NEW	MW	NOT AVAILABLE	25		
15	132/33 XMER NEW	MVAR	NOT AVAILABLE	5		
<b>RTU name UJJAIN 220 KV S/S</b>						
1	3X40 MVA TRANSFORMER	OLTC	5	11		

2	220/132 KV TRANSFORMER 4	OLTC	N/C	6
3	160 MVA TRANSFORMER	OLTC	N/C	9
4	UJJAIN220 KV –JETPURA II	CB	FAULTY	CLOSE
5	63 MVA TRANSFORMER	CB	FAULTY	CLOSE
6	3X40 MVA TRANSFORMER (132 KV SIDE)	CB	FAULTY	CLOSE
7	UJJAIN220 KV –NAGDA 2	CB	FAULTY	CLOSE
8	UJJAIN220 KV –BADOD 1	CB	FAULTY	CLOSE
9	UJJAIN 132 KV -GHOSLA	CB	FAULTY	CLOSE
<b>RTU name SHUJALPUR 220 KV S/S</b>				
1	160 MVA TRANSFORMER -I	OLTC	2	10
2	20 MVA TRANSFORMER	OLTC	10	5
3	160 MVA TRANSFORMER II	CB	FAULTY	CLOSE
4	160 MVA TRANSFORMER II (132 KV SIDE)	CB	FAULTY	CLOSE
5	20 MVA TRANSFORMER	CB	OPEN	CLOSE
6	132 KV BUS COUPLE	CB	FAULTY	OPEN
7	2X33 MVAR CAPACITOR BANK	CB	FAULTY	CLOSE
8	SHUJALPUR 220 KV-BHOPAL 2	CB	FAULTY	CLOSE
9	220/132 XMER NEW	CB	NOT AVAILABLE	CLOSE
10	220/132 XMER NEW	MW	NOT AVAILABLE	30
11	220/132 XMER NEW	MVAR	NOT AVAILABLE	5
<b>RTU name SHAJAPUR132 KV S/S</b>				
1	132/33 KV TRANSFORMER 1	OLTC	N/C	9
2	SHAJAPUR 132 KV-PANWADI	CB	FAULTY	OPEN
3	132 KV BUS	VOLTAGE	0	130
4	132 KV BUS COUPLE	CB	FAULTY	OPEN
<b>RTU name RATLAM 220 KV S/S</b>				
1	132/33 KV TRANSFORMER 2	OLTC	N/C	7
2	RATLAM 132 KV-MEGHNAGAR	MW	26	36
3	220 KV TRB	CB	FAULTY	OPEN
4	RATLAM 132 KV-TRACTION 2	CB	FAULTY	CLOSE
5	RATLAM –BADNAGAR	CB	FAULTY	CLOSE
6	RATLAM - NAGDA 2 NEW	CB	NOT AVAILABLE	CLOSE
7	RATLAM - NAGDA 2 NEW	MW	NOT AVAILABLE	10
8	RATLAM - NAGDA 2 NEW	MVAR	NOT AVAILABLE	5
9	RATLAM - SAILANA NEW	CB	NOT AVAILABLE	CLOSE
10	RATLAM - SAILANA NEW	MW	NOT AVAILABLE	8
11	RATLAM - SAILANA NEW	MVAR	NOT AVAILABLE	5
12	RATLAM 132 KV-KHACHROD	CB	FAULTY	CLOSE
<b>RTU name NEEMUCH 220 KV S/S</b>				
1	220/132 KV TRANSFORMER 1	OLTC	N/C	7
2	220/132 KV TRANSFORMER 2	OLTC	N/C	8
3	NEEMUCH 132 KV INTER CONNECTOR II	CB	FAULTY	CLOSE
4	220 KV MAIN BUS	VOLTAGE	97	230
5	NEEMUCH 132 KV UDEYPUR	CB	FAULTY	CLOSE
6	132 KV BUS COUPLER	CB	FAULTY	CLOSE
<b>Sr.No</b>	<b>DESCRIPTION</b>	<b>status</b>	<b>telemetry value at SLDC</b>	<b>actual value at site</b>
<b>BINA 400 KV S/S</b>				
1	220KV BiINA –GWALIOR 1	MW	93	83
2	220KV BiINA –BINA 1	MW	33	40
3	220KV BiINA –BINA 2	MW	36	40
4	400/220 KV ICT III PRIMARY	CB	FAULTY	CLOSE
5	400/220 KV ICT III PRIMARY	SOE	Not connected	
6	220KV TRB	CB	FAULTY	CLOSE
7	BINA 220 KV-GWALIOR 2	CB	OPEN	CLOSE
8	40KB TIE BKR 2	CB	FAULTY	CLOSE
9	400/220 KV ICT III SECONDARY	SOE	FAULTY	CLOSE

10	SOE OF ALL FEEDERS EXCEPT BINA-2,GWL-2,DAMOH-1,DAMOH-2 NOT RECEIPT, NEED TO BE VERIFIED FOR CONNECTION AT SITE			
<b>RTU name -Bina 220 KV S/S</b>				
1	BINA 132 KV-CAPACITOR BANK	CB	FAULTY	CLOSE
2	BINA 132 KV-GANGBASODA	CB	FAULTY	CLOSE
3	BINA 132 KV- BORL 1 &2	CB	NOT AVAILABLE	
4	BINA 132 KV- BORL 1 &2	MW	NOT AVAILABLE	
5	BINA 132 KV- BORL 1 &2	MVAR	NOT AVAILABLE	
6	SOE OF ALL FEDERS EXCEPT RAJGHAT 1 ,TRANSFORMER-3,SAGAR AND TRACTION NEED TO BE VERIFIED FOR CONNECTION AT SITE			
<b>RTU name –DAMOH 220 KV S/S</b>				
1	220KV DAMOH - SAGAR	MW	115	84
2	220/132KV TRANSFORMER-2	CB	FAULTY	CLOSE
3	220KV DAMOH-PGCIL-1	CB	FAULTY	CLOSE
4	220KV DAMOH-PGCIL-1	CB	FAULTY	CLOSE
5	220KV DAMOH-RLW TRCN	CB	FAULTY	CLOSE
<b>TIAKMAGARH 220 KV S/S</b>				
DATA VALIDATION COULD NOT BE DONE AS RTU IS OUT DUE TO PROBLEM IN COMMUNICATION CHANNEL/CPU				
<b>SAGAR 132KV S/s</b>				
DATA VALIDATION COULD NOT BE DONE AS RTU IS OUT DUE TO PROBLEM IN COMMUNICATION CHANNEL/CPU				
Sr.No	DESCRIPTION	status	telemetry value at SLDC	actual value at site
<b>SATNA 220 KV S/S</b>				
1	220KV SATNA -SATNA PGCIL 2	CB	OPEN	CLOSE
2	132 KV SATNA -PANNA	CB	FAULTY	CLOSE
3	132 KV SATNA INTERCONNECTOR 2	CB	FAULTY	CLOSE
4	SATNA 132 KV BUS 2	VOLTAGE	0	134
5	SATNA 132 KV-PRISM CEMENT	CB	PROVISION FOR TELEMETRY NOT AVAILABLE	
6	SATNA 132 KV –PRISM CEMENT	MW		
7	SATNA 132 KV-PRISM CEMENT	MVAR		
8	220 KV SATNA –CHATARPUR 1 & 2	CB		
9	220KV SATNA –CHATARPUR 1 & 2	MW		
10	220KV SATNA –CHATARPUR 1 & 2	MVAR		
11	220/132 KV TRANSFORMER 2	OLTC	N/C	7
12	132/33 KV TRANSFORMER 1	OLTC	N/C	7
13	132/33 KV TRANSFORMER 2	OLTC	N/C	7
14	SOE OF ALL FEEDERS/TRANSFORMERS EXCEPT TRANSFORMER-1 AND TONS-2 IS NOT CONNECTED NEED TO BE CONNECTED ON PRIORITY BASIS			
<b>SATNA 132 KV S/S</b>				
1	132/33 KV TRANSFORMER 1	OLTC	N/C	6
2	132 KV TRB	CB	FAULTY	OPEN
<b>MORWA 132 KV S/S</b>				
1	MORWA 132KV-WAIDHAN	CB	FAULTY	CLOSE
2	132/33 KV TRANSFORMER 1	OLTC	N/C	7
3	132/33 KV TRANSFORMER 2	OLTC	N/C	7
4	132/33 KV TRANSFORMER 3	CB	Provision for telemetry not available in RTU	
5	132/33 KV TRANSFORMER 3	MW		
6	132/33 KV TRANSFORMER 3	MVAR		
7	ALL SOES NOT CONNECTED NEED TO BE CONNECTED			
Sr.No	DESCRIPTION	status	telemetry value at SLDC	actual value at site
<b>KATNI 400 KV S/S</b>				
1	400/220 KV ICT	CB	NOT EXTENDED TO RTU NEED TO BE	

2	400/220 KV ICT	SOE	EXTENDED TILL RTU	
3	400 KV KATNI -BIRSINGHPUR	CB		
4	400 KV KATNI-BIRSINGHPUR	SOE		
	400 KV BUSCOUPLER	CB		
5	400 KV BUSCOUPLER	SOE		
6	400 KV BUSCOUPLER	SOE		
<b>JABALPUR 220 KV S/S</b>				
1	220/132 KV TRANSFORMER 1	CB	FAULTY	CLOSE
2	220/132 KV TRANSFORMER 2	CB	FAULTY	CLOSE
3	220 KV TRANSFER BUS	CB	FAULTY	OPEN
4	132 KV TRANSFER BUS	CB	FAULTY	OPEN
5	132 KV JABALPUR - MADHOTAL	CB	FAULTY	CLOSE
6	132/33 KV TRANSFORMER 2	CB	FAULTY	CLOSE
7	220KV JABALPUR-BIRSINGHPUR 1	CB	NOT EXTENDED TO RTU NEED TO BE EXTENDED TILL RTU AS DETAILED HEREUDNER:- TB2 173,174 –BIRSINGPUR1 CB TB2 175 – BIRSINGPUR 1 SOE TB2 176,177- BIRSINGPUR 2 CB TB2 178-BIRSINGPUR 2 SOE	
8	220KV JABALPUR-BIRSINGPUR 1	SOE		
9	220KV JABALPUR –BIRSINGHPUR 2	CB		
10	220KV JABALPUR –BIRSINGHPUR 2	SOE		
11	220/132 KV TRANSFORMER 2	MW	206	70
12	<b>ALL SOE'S EXCEPT NTPC-1,2 AND DAMOH 132 ARE NOT CONNECTED AND NEED TO BE CONNECTED</b>			
<b>NARSINGPUR 220 KV S/S</b>				
1	220KV NARSINGPUR- PIPARIYA	CB	Process connections for these not extended at S/s	
2	220KV NARSINGPUR- PIPARIYA	SOE		
3	220 KV NARSINGPUR -ITARSI	CB		
4	220/132 KV TRANSFORMER 2	CB		
5	220/132 KV TRANSFORMER 2	SOE		
6	220 KV NARSINGPUR-SUKHA 1	CB		
7	220 KV NARSINGPUR-SUKHA 1	SOE		
8	220 KV NARSINGPUR- SUKHA 2	CB		
9	220 KV NARSINGPUR-SUKHA 2	SOE		
10	220/132 KV TRANSFORMER 2	MW		
11	220/132 KV TRANSFORMER 2	MVAR		
12	220 KV TRANSFER BUS	CB	FAULTY	OPEN
13	132/33 KV TRANSFORMER 2	MW	NOT AVAILABLE	
14	132/33 KV TRANSFORMER 2	MVAR	NOT AVAILABLE	
15	132/33 KV TRANSFORMER 2	CB	NOT AVAILABLE	
16	NARSINGPUR132 KV-BARMAN 2	MW	NOT AVAILABLE	
17	NARSINGPUR132 KV-BARMAN 2	MVAR	NOT AVAILABLE	
18	220/132 KV TRANSFORMER 1	OLTC	N/C	7
	220/132 KV TRANSFORMER 2	OLTC	N/C	5
	132/33 KV TRANSFORMER 1	OLTC	N/C	6
<b>KATNI 220 KV S/S</b>				
1	220 KV BUS COUPLER	CB	FAULTY	CLOSE
2	220 KV TRANSFER BUS	CB	FAULTY	OPEN
3	220/132 KV TRANSFORMER 2	MW	NOT AVAILABLE	May be provided by utilization of transducers provided for 220KV Katni-Birsingpur line
4	220/132 KV TRANSFORMER 2	MVAR	NOT AVAILABLE	
5	220/132 KV TRANSFORMER 2	CB	NOT AVAILABLE	
6	132KV KYMORE-1	CB	FAULTY	CLOSE

7	132KV KYMORE-2	CB	FAULTY	OPEN
8	132/33 TRANSFORMER-1	CB	FAULTY	CLOSE
9	132KV BUS TRANSFER	CB	FAULTY	OPEN
10	132 KV IC1	CB	FAULTY	CLOSE
<b>PANDURNA 220 KV S/S</b>				
01	220/132 KV TRANSFORMER	OLTC	N/C	4
<b>CHNDWARA 132 KV S/S</b>				
1	132 KV TRB	CB	FAULTY	OPEN
2	132/33 KV TRANSFORMER 2	OLTC	17	5
3	132/33 KV TRANSFORMER 2	CB	FAULTY	CLOSE
4	132/33 KV TRANSFORMER 3	MW	0	6
5	132KV KHAPASWAMI FEEDER	SOE	NOT CONNECETD	
6	132KV SEONI 1 FEEDER	SOE	NOT CONNECETD	
7	132KV SEONI 2 FEEDER	SOE	NOT CONNECETD	
8	132 KV TRANSFER BUS	SOE	NOT CONNECETD	
9	132/33KV TRANSFORMER 3	SOE	NOT CONNECETD	

**RTU NAME- Amarkanatak Thermal Power Station**
**Annexure 8.3(ii)**

S.N	Description		Telemetred value at site	Telemetred value at SLDC
		OLD ISSUES- 24	NEW ISSUES- 2	ATTENDED- 2
1	ATPS 220 KV- Jabalpur	CB	CLOSE	FAULTY
2	ATPS 220/6.6 KV Stn Xmer II	CB	CLOSE	FAULTY
3	ATPS 220/132 KV Xmer 1(132kv)	CB	CLOSE	OPEN
4	ATPS 220/132KV Xmer 4 (132KV)	CB	CLOSE	OPEN
5	ATPS220KV-SIDHI	MW	89 MW	75 MW
6	ATPS220KV-SIDHI	MVAR	10 MVAR	29 MVAR
7	ATPS220KV-BRS220 III	MW	20 MW	29 MW
8	GENERATOR 5	CB	CLOSE	N/C
9	ATPS220KV-Rewa	CB	CLOSE	N/C
10	ATPS220KV-BRS220 III	CB	CLOSE	N/C
11	ATPS 220/6.6 KV Stn Xmer A	CB	CLOSE	N/C
12	ATPS 220/6.6 KV Stn Xmer B	CB	CLOSE	N/C
13	ATPS 220/6.6 KV Stn Xmer A	MW	10	75
14	ATPS 220/6.6 KV Stn Xmer A	MVAR	5	0
15	ATPS 220/6.6 KV Stn Xmer B	MW	10	75
16	ATPS 220/6.6 KV Stn Xmer B	MVAR	5	0
17	ATPS132/33 KV ICT 5	CB	CLOSE	FAULTY
18	ATPS132 KV 220/132 KV ICT -I	MW	30 MW	22 MW
19	ATPS 132 KV Bus -1	VOLTAGE	134 KV	127 KV
20	ATPS132 KV-Waidhan	CB	close	FAULTY
21	132/33 KV TRANSFORMER 4	OLTC	6	N/C
22	132/33 KV TRANSFORMER 5	OLTC	6	N/C
23	GENERATOR 5 GT	MW		N/C
24	GENERATOR 5 GT	MVAR		N/C

**RTU NAME- Birsingpur Thermal Power Station**

		OLD ISSUES- 6	NEW ISSUES-8	ATTENDED- 3
1	BRS220 GEN 1	CB	CLOSE	FAULTY
2	BRS 220KV TRB	CB	OPEN	FAULTY
3	BRS220 KV IC 1	MW	117 MW	2 MW
4	BRS220 KV IC 1	MVAR	10 MVAR	0 MVAR
5	BRS 400 GENERATOR#5	CB	CLOSE	FAULTY
6	BRS 400/220 KV ICT	CB	CLOSE	FAULTY
7	BRS 400 BUS COUPLER	CB	CLOSE	FAULTY
8	BRS 400 BUS CUM TIE BKR.	CB	OPEN	FAULTY
9	BRS 400 DAMOH (PG) LINE-1	CB	CLOSE	FAULTY
10	BRS 400 MAIN BUS 1 VOLTS	VOLTS		N/C
11	BRS 400 MAIN BUS 1 FREQ	HZ		N/C
12	BRS 400 DAHOH -1	MW	14	0

**RTU NAME- Satpura Thermal Power Station -I**

		OLD ISSUES- 19	NEW ISSUES- 0	ATTENDED- 9
1	STPS PH I Stn Xmer I I I	CB	CLOSE	FAULTY
2	STPS PH I BUSCOUPLER I	CB	OPEN	FAULTY
3	STPS PH I TRB I	CB	OPEN	FAULTY
4	STPS PH I TRB II	CB	OPEN	FAULTY
5	STPS PH 2 GENERATOR 6 (GT)	MVAR	20	N/C
6	STPS PH 2 GENERATOR 7 (GT)	MVAR	15	N/C
7	STPS PH 2 MAIN BUS 1	VOLTAGE	229	N/C
8	STPS PH 2 MAIN BUS 1	FREQ.	49.46	N/C
9	STPS PH 2 MAIN BUS 2	VOLTAGE	228	N/C
10	STPS PH 2 MAIN BUS 2	FREQ.	49.44	N/C

**RTU NAME- Madhikheda hydel Power Station**

		OLD ISSUES- 9	NEW ISSUES- 0	ATTENDED- 0
1	GENERATOR 1	CB	OPEN	FAULTY
2	GENERATOR 2	CB	OPEN	FAULTY
3	GENERATOR 3	CB	OPEN	FAULTY
4	Madhikheda 132 Kv- Karera I	CB	OPEN	FAULTY
5	Madhikheda 132 Kv- Karera I I	CB	OPEN	N/C
6	Madhikheda 132 Kv- Karera I	MW	10	0
7	Madhikheda 132 Kv- Karera I	MVAR	5	0
8	Madhikheda 132 Kv- Karera II	MW	10	0

9	Madhikheda 132 Kv- Karera II	MVAR	5	0
<b>RTU NAME- Tons hydel Power Station</b>				
OLD ISSUES- 4    NEW ISSUES- 1    ATTENDED- 0				
1	STN. XMER	MW	2	0
2	STN. XMER	MVAR	10	0
3	GENERATOR 2	CB	OPEN	faulty
4	GENERATOR 3	CB	OPEN	faulty
5	BUSCOUPLER	CB	OPEN	faulty
<b>RTU NAME- Bargi hydel Power Station</b>				
OLD ISSUES- 3    NEW ISSUES- 0    ATTENDED- 0				
1	BARGI 132 KV –JABALPUR 2	CB	Close	faulty
2	GENERATOR 1	CB	OPEN	transit
3	STN. XMER	CB.	OPEN	Faulty
<b>RTU NAME- Pench hydel Power Station</b>				
OLD ISSUES- 1    NEW ISSUES- 0    ATTENDED- 0				
1	GENERATOR 2	CB	open	transit
<b>RTU NAME- Gandhi sagar hydel Power Station</b>				
OLD ISSUES- 7    NEW ISSUES- 2    ATTENDED- 4				
1	132 KV BUS COUPLER	CB	OPEN	CLOSE
2	GENERATOR I	CB	OPEN	CLOSE
3	GENERATOR V	CB	OPEN	FAULTY
4	132/33 KV XMER	OLTC	9	6
5	132/33 KV XMER	CB	CLOSE	FAULTY
<b>RTU NAME- Rajghat hydel Power Station</b>				
OLD ISSUES- 7    NEW ISSUES- 0    ATTENDED- 0				
	RAJGHAT132 KV-LALITPUR	MW	N/C	5
	RAJGHAT132 KV-LALITPUR	MVAR	N/C	5
	RAJGHAT132 KV-LALITPUR	CB	FAULTY	OPEN
	GENERATOR I	CB	FAULTY	OPEN
	GENERATOR II	CB	FAULTY	OPEN
	GENERATOR III	CB	FAULTY	OPEN
	132 KV BUS	VOLTAGE	N/C	129