

AGENDA FOR 16TH MEETING OF OPERATION & COORDINATION COMMITTEE OF MP TO BE HELD ON 16TH SEPTEMBER 2009 AT CORPORATE OFFICE, MPMKVCL, BHOPAL

ITEM NO. 1 : CONFIRMATION OF MINUTES

Minutes of 15th meeting of Operation & coordination committee of MP held on 15.07.2009 at SLDC, Jabalpur were forwarded to the committee members vide letter no. 07-05/SG-9B-II/1260 dated 04.08.2009 & also posted on the website. No comments have been received so far.

The committee may confirm the minutes.

ITEM NO. 2 : REVIEW OF SYSTEM OPERATION DURING THE MONTH OF JULY 2009 AND AUGUST 2009

2.1 Frequency Particulars

The detailed frequency particulars for the month of July-2009 & August-2009 are enclosed at Annexure-2.1. The One hour integrated average frequency during July and August 2009 was recorded at 49.07 Hz and 49.41 Hz respectively. The minimum integrated average frequency was 48.98 Hz and 48.89 Hz for the respective months with the maximum frequency at 50.40 Hz and 50.14 Hz. The instantaneous maximum and minimum frequency recorded for July and August 2009 was 50.56, 48.74 Hz and 50.46 Hz, 48.62 Hz respectively.

The Committee may like to note.

2.2 Operational Matters

2.2.1 Operational Discipline

There was no instances of significant violation of IEGC by MP during the month of July-09 and August-09 as reported by WRLDC.

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

During July-2009 & August 2009, the system frequency of the combined grid was within the permissible range of 49.2-50.3 Hz for 94.74 % & 73.98% of the time respectively. The net unscheduled interchange by MP during the months July and August 2009 was -41.69 MU. And 13.47 MU respectively.

The Committee may like to note.

2.3.1 Voltage Profile

Voltage profile at some of the important 400 KV and 220 KV substations of MP during the month of July-2009 & August-2009 is enclosed at Annexure -2.3.

During the month of July-2009 & August-2009, the deviation of voltage from the accepted limit on either side was recorded at following location in MP Grid.

Sr .N o.	Name of Substation	JULY 2009				AUGUST 2009			
		Max. Voltage observed		Min. Voltage observed		Max. Voltage observed		Min. Voltage observed	
		Voltage	Date	Voltage	Date	Voltage	Date	Voltage	Date
1	Indore	423	24, 28.07.09	No Deviation Observed				No Deviation Observed	
2	Itarsi	429	01.07.09			429	16.08.09		
3	Bina	427	28.07.09			429	16.08.09	379	23, 24.08.09
4	Gwalior	429	29.07.09	365	20.07.09	436	16.08.09	372	13.08.09
5	Nagda	430	24.07.09	No Deviation Observed		428	16, 30.08.09	No Deviation Observed	

The Committee may discuss.

2.3.2 Status of CAPCITOR Banks in sub-transmission system

Only central discom has furnished the information of position of Capacitor Banks as on 31.08.09, out of 588 capacitor of 1200 KVAR capacity, 376 nos. installed in central zone as on 31.08.09 and balance 212 nos. are expected to be installed by Dec 09.

The progress of installation of capacitor bank in other DISCOMs is yet to be intimated by the East and West Discom.

(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 year is yet to be received.

The Committee may like to note/discuss.

2.4.2 U/F Relay Operation

- (i) During July and August 2009 the system frequency remained below 49.2 Hz for 4.70 % and 25.88 % of the time respectively. The frequency touched, 48.80 Hz for 82 and 855 times during July & August 2009 respectively.

The consolidated information about UFLS operation for July 2009 & August 2009 are enclosed at 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 feeder at newly constructed EHV S/s, needs to be furnished by T&C / PS.
- (iii) As per details furnished by ED (T&C) in the 15th OCCM some of U/F relays have been shown as “NOT IN PLAN” and at Ratlam sub station some of the relays are indicated as “BLOCKED”. The SE o/o ED (T&C) informed that the relays are not actually blocked and the same has been appeared in the report having not updated. The SE o.o ED (T&C) may furnish the updated df/dt and U/F relay report as agreed by them in the 15th OCCM.

[Action ED (T&C)]

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

The information only from Amarkantak TPS of MPPGCL is being received regularly which states that DRs & SERs and the GPS time stamping is not available. Satpura Thermal Power Station has also furnish the monthly states of healthiness of DRS in Sequence Event Logger for the month of July-2009. The information from SE(O&M) MPPGCL, Silpara received which state that disturbance recorder and Sequential Event Logger(SEL) are not available at 2x15 MW BHPS-II Silpara & 2x10 MW BHPS-IV Jinna.

The Additional Chief Engineer(T&C) Bhopal has also furnished the monthly states of disturbance recorder/ Event Sequence recorder/ Fault recorder in service for the month of June-2009 to July-2009.

The Chief Engineer (O&M), Indira Sagar Hydel Power Station has also furnish the details of the DRs/SERs equipments installed at Indira Sagar Hydel Power Station

The complied information is also required for the OCCM of WRPC on monthly basis. The Transmission and Generating Companies should furnish the status regularly by 5th of every month..

[Action MPPGCL / MPPTCL].

2.5 Power Cuts / Load restrictions/Differential Load Shedding by DISCOMS

- (i) Details of Discom wise Power cuts and Regulatory measures during July & August 2009 are enclosed at Annexure 2.5.
- (ii) The DCCs have been requested vide letter No. 07-05/PM-57/1010 dated 30.06.2009 to furnish to SLDC the hourly differential load shedding data in MW on daily basis to work out the unrestricted demand. The Discoms have not started furnishing the information to SLDC. The DCCs may start furnishing the data at the end of each shift to SLDC. The discoms may plan the differential load shading in such a manner so that frequency profile is maintained within safe limits and proper load generation balanced is achieved.

(iii) **Unwanted Load Shedding by East Discom DCC** : Instances of exercising load shedding by East DCC at high frequency (freq above 50.1 HZ) have been noticed. The East DCC quite often do not listen to the advices for normalization of load shedding during high frequency duration. The East DCC also do not have control over differential load shedding in East DISCOM and the same is being carried out by field divisions irrespective of system frequency. Such type of operations are dangerous from the point of system security and should be avoided. The EAST DCC may start controlling the differential load shedding and also controlling the load shedding in such that they do not overdraw from the grids at low frequency and do not under draw at high frequency.

(Action DISCOMS)

2.6 DISTRICTWISE / GROUPWISE LOADING OF FEEDERS

1. The districtwise / groupwise loads shall be computed by the respective Discoms and same may be furnished to SLDC as agreed in the 15th OCCM.
2. The CE (PS), MPPTCL has proposed that the details of of mixed load feeders (Discoms wise) feeding to Tahsil (urban) plus Rural areas shall be furnished by all discoms . The proforma as proposed by the CE (PS) was sent to the DISCOMs vide letter No.07-05/ SG-9B1/ 1419 Jabalpur dt. 03.09.2009. The proposal of CE (PS) may be discussed by the committee.

(Action DISCOMS)

ITEM NO. 3 : OPERATIONAL PLANNING

3.1 Anticipated Power Supply Position for the Month of September-2009 to March 2009

Details of Anticipated Demand and Source wise Availability for the period September-2009 to March-2010 as on 5th September 2009 are enclosed in Annexure-3.1.

It was explained by the Member Secretary, OCC in the 15th OCCM that as per MPEGC, the SLDC is responsible to do the demand estimation for period upto one year ahead for which the DISCOMs have to provide to SLDC their estimates of demand for the year ahead on month basis for the next financial year by 15th November each year. The DISCOMs have also to provide daily demand on month ahead by 25th for the next month. It was pointed out that the data on daily demand on month ahead for the next month is not being received from any of the DISCOMs.

The information on month ahead basis has not been submitted by the DISCOMs. The DISCOMs have to observe compliance to the Grid code and start providing the required data regularly.

(Action DISCOMS).

3.2 Generating Units under planned outage and proposed maintenance programme-

The details of outage of generating units under planned outage proposed maintenance programme for September 2009 to March 2010 (R-5) is given in Annexure 3.2.

(Action MPPGCL).

3.3 Proposed shutdown programme of Transmission lines / Transformers -

The proposed maintenance programme for the period September-2009 to November-2009 is annexed at Annexure-3.3.

3.4 Long Outages of transmission elements :

The transmission elements as detailed below are under long outages. The T&C, MPPTCL and O&M:Gen MPPGCL sections may give the schedule and work progress of bringing back these elements into service. The reasons for not adhering, to the schedule data as given in 15th OCC Meeting may also be furnished:

S N	Line/Transformer/Breaker/ Reactor etc under long outage	Outage date	Reason	Expected date of restoration as intimated in the 15th OCCM
1	63 MVAR Reactor at Satpura TPS	24.05.2005	Damage of all three limbs along with reactor tank	Procurement for new reactor proposed.
2	400 KV Bkr of Nagda-Rajgarh – II at 400 KV S/S Nagda	23.10.2008	Breaker faulty need repair	By 15 th August 2009
3	160 MVA X'mer at 220 KV S/S Julwania	12.02.2009	High tan δ value of the transformer bushing and winding.	25.07.09 (Commissioning of New X'mer)
4	Tie Breaker of 315 MVA, 400/220 KV X'mer –II at 400 KV Bina S/S	23.10.2008	Gas Leakage from PIR	End of Aug 2009

The MPPGCL may intimate the exact status and time schedule for restoration of the 63 MVAR Bus reactor at Satpura Thermal Power Station.

ITEM NO. 4 : OPERATIONAL STATISTICS FOR THE MONTH OF July & Aug 2009.

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 Details of reservoir level.
- Annex. 4.5 Monthwise target of Thermal Generation of MPPGCL

The Committee may like to note.

ITEM NO. 5 : SYSTEM DISTURBANCE IN MP FOR THE MONTH OF JULY & AUG 2009

There was no significant system disturbance reported during the period July & Aug 2009.

ITEM NO. 6 : REVIEW OF SYSTEM OPERATION & MANAGEMENT

6.1 Progress of functioning of Discom Control Centre (DCC)

The Discoms have been informed in 15th OCCM that Balancing & Settlement code shall come into force very shortly and hence Preparedness of the Discoms in respect of adequate man power for round the clock shift duty and readiness of necessary infrastructure for monitoring the drawal of the Discoms is to be ensured by the Discoms.

The DCC, Central Discom is performing the load management in all three shifts. The DCC, East Discom is managing the load management in 'B' and 'C' shifts only., whereas West Discom has not started the shift duties and load management function despite of DO letter from CMD, MPPTCL.

The East Discom and West Discom are advised to start performing the load management function in all three shifts with immediate effect.

Action in this regard is required to be taken by East & West Discoms.

6.2 Preparedness of MPPGCL for implementation of Balancing & Settlement Code -

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 15th OCC Meeting. The problem of communication facility at Hydel Power Stations was explained by the MPPGCL in the 15th OCC meeting. The SLDC has suggested to explore the possibility of installing satellite phone at such places where basic communication facility is not adequate. The MPPGCL may give the details of their Preparedness of establishing ABT monitoring cells at their power stations.

ITEM NO 7 : ABT METER READING :

The ABT meter readings of interface points as required for the period 1st to 15th and 16th to end of the month is not being received from most of the testing divisions and power stations in time and quite

often the readings are received for the complete month. This is causing missing of ABT meter reading for some of the time blocks/days in the MRD/RM3 files emailed to SLDC. The testing divisions and power stations should ensure the completeness and correctness of data in every respect before emailing to SLDC and should also ensure emailing of data for each fortnightly period in time.

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 has started the procurement process for RTU's. The progress of the same may be submitted by the planning cell in the OCCM with time schedule of implementation..

(Action Planning, MPPTCL)

8.2 Maintenance of Telemetry 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. In the 15th OCC meetin, it was decided that the AMC of the RTUs shall be done centrally by MMPTCL and MPPGCL. The progress inthis regard may be submitted in the OCC meeting. The maintenance strategy of the RTUs as may be prepared by the respective section of MPPTCL and MPPGCL may be submitted to the committee so that the same may be discussed in meeting.

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

8.3 Discrepancy in telemetred values received from different EHV S/s & Power stations :-

The discrepancy in telemetred 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 telemetred 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 telemetred 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 :-

After installation of existing RTUs in 2002, several new feeders, transformers etc have been commissioned in these S/s. Accordingly, the telemetry facilities of these S/s needs to be upgraded by finalizing the requirement of transducers, relays & input modules etc. The planning section in 2008 had initiated the action to acquire the details regarding existing & proposed transmission lines etc. The SE O/o of ED (T&C), MPPTCL had assured in the 15th OCC that the information from all testing circles shall be compiled. The MPPTCL may give the progress in this matter in the meeting.

Action:- T&C & Planning

8.5 Shifting of OPGW in proposed diverted route from 220 KV Jabalpur to 400 KV Sukha S/s

The diversion of 220KV Jabalpur-Sukha line due to railway gauge conversion is planned in near future. It is necessary to provide the OPGW cable on the diverted route alongwith required accessories to avoid interruption to SCADA data and speech communication between SLDC & Sub-LDC and SLDC-WRLDC. In the 15th OCC meeting it was informed that the shutdown on 220 KV Jabalpur-Sukha line shall not be allowed for diversion unless OPGW is installed on the new diverted routes, which is essential to avoid any interruption of SCADA data to SLDC and RLDC. The planning section of MPPTCL may submit the progress in the matter with time schedule for shifting of OPGW cable in the diverted route.

ACTION-PLANNING MPPTCL.

ITEM NO. 9 : NHDC Related issue:

(i) In the last OCC, it was informed by NHDC that dead synchronization features is not available in Control Scheme of Breakers at Omkareshwar hydel power station and hence at the time of tripping any feeder depend solely on charging from remote end. The matter was discussed at length and the committee advised the OSP to explore the possibility to modifying the control scheme of breaker to charge line from their end. The Progress for the same shall be furnished by OSP in the meeting.

(ii) The issue of non-commissioning of auto Reclosure Scheme at Hydel Power Station of NHDC has been discussed. It has been decided that the T&C section shall take up the matter in the next Protection Committee Meeting at WRPC, Mumbai. The progress may be intimated by T&C section of MPPTCL.

Committee may discuss

(iii) At Omkareshwar Hydel Power Station, LBB (Local Breaker Backup) Protection operates sometime due to sticking of poles of generator circuit breaker which causes tripping of lines and generators. The OSP also informed that the route cause for frequent stiking of poles of generator circuit breaker is under scrutiny by the design expert of ABB Ltd. OSP may give the progress in the matter.

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 17th meeting of Operation and Coordination Committee of MP on 16th November-2009 at SLDC, MPPTCL, Jabalpur. However, if any constituent of the OCC is willing to host the meeting the same shall be welcomed.

FREQUENCY PARTICULARS

S. No.	Particulars	Jul-09		Aug-09	
1	INTEGRATED OVER AN-HOUR				
1.1	Maximum Frequency	50.4 Hz	Between 12.00 hrs & 13.00 Hrs on 11.07.09	50.14 Hz	Between 13.00 hrs & 14.00 Hrs on 15.08.09
1.2	Minimum Frequency	48.98 Hz	Between 20.00 hrs & 21.00 Hrs on 07.07.09	48.89 Hz	Between 00.00 hrs & 01.00 Hrs on 11.08.09
1.3	Average Frequency	49.67 Hz		49.41 Hz	
2	INSTANTANEOUS FREQUENCY				
2.1	Maximum Frequency	50.56 Hz	AT 06.04 HRS ON 09.07.09	50.46 Hz	AT 13.03 HRS ON 30.08.09
2.2	Minimum Frequency	48.74 Hz	AT 23.07 HRS ON 23.07.09	48.62 Hz	AT 07.04 HRS ON 12.08.09

3 Percentage of time when frequency was :-

		Jul-09	Aug-09
3.1	Below 48.5 Hz	0.00	0
3.2	Between 48.50 Hz and 48.8 Hz	0.03	0.48
3.3	Between 48.80 Hz and 49.2 Hz	4.67	25.4
3.4	Between 49.20 Hz and 49.5 Hz	22.14	35.9
3.5	Between 49.50 Hz and 49.8 Hz	39.46	25.29
3.6	Between 49.80 Hz and 50.2 Hz	31.73	12.28
3.7	Between 50.20 Hz and 50.3 Hz	1.41	0.51
3.8	Between 50.30 Hz and 51.0 Hz	0.56	0.14
3.9	Above 51.0 Hz	0.00	0
4.1	No. of times frequency touched 48.80 Hz	82	855
4.2	No. of times frequency touched 48.60 Hz	0	0
4.3	No. of times frequency touched 51.0 Hz	0	0

Voltage Profile During the Month of July 2009

Date	Indore		Itarsi		Bina		Gwalior		Nagda	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	411	387	417	396	418	397	425	393	423	397
2	410	388	416	393	411	397	418	389	422	398
3	414	392	420	402	417	406	418	393	426	403
4	416	396	420	404	414	404	411	382	427	405
5	416	397	420	404	416	402	417	384	426	405
6	418	387	421	394	413	395	412	378	424	394
7	418	394	421	402	412	400	417	384	427	401
8	416	401	420	405	412	395	412	371	424	409
9	420	400	423	405	415	398	415	384	427	407
10	417	402	421	409	414	400	416	382	425	410
11	417	399	421	405	414	402	420	391	426	407
12	416	401	420	405	419	397	420	383	424	409
13	417	396	423	404	421	395	427	386	425	403
14	416	399	421	404	418	402	420	394	424	407
15	417	400	422	407	417	403	421	389	425	409
16	416	399	421	407	416	395	417	384	424	406
17	418	404	424	409	416	399	414	382	427	411
18	420	401	424	408	414	401	416	384	427	406
19	420	404	424	406	417	401	427	379	428	410
20	416	399	421	410	411	397	412	365	423	406
21	417	400	422	414	419	400	421	384	424	407
22	418	401	421	414	423	398	425	377	424	406
23	417	407	423	414	413	399	417	379	422	410
24	423	400	429	401	423	392	424	381	430	406
25	422	399	426	406	424	396	422	382	428	404
26	419	403	421	409	415	398	418	386	424	405
27	418	402	421	409	419	401	421	386	423	408
28	423	404	428	413	427	403	428	390	429	407
29	421	403	428	411	422	408	429	398	428	409
30	416	400	428	407	420	399	423	384	424	409
31	417	401	423	409	418	392	424	375	424	407
Max	423	387	429	393	427	392	429	365	430	394

Voltage Profile During the Month of August 2009

Date	Indore		Itarsi		Bina		Gwalior		Nagda	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	417	400	422	409	416	396	414	382	424	406
2	419	401	423	409	412	397	416	380	425	406
3	417	400	421	409	411	400	407	379	426	407
4	416	400	422	407	417	394	413	378	426	408
5	417	403	422	410	415	395	414	381	424	407
6	417	399	421	406	415	392	414	3814	424	402
7	412	392	419	400	409	396	411	378	422	401
8	415	393	420	402	412	391	410	381	426	403
9	413	393	419	400	410	389	410	384	424	400
10	411	382	419	393	415	386	412	375	424	394
11	411	382	419	393	415	401	401	384	424	394
12	414	397	421	407	416	404	411	383	424	407
13	410	397	419	404	414	400	409	372	420	406
14	416	402	426	411	421	405	420	391	426	404
15	416	399	426	410	426	399	426	392	427	406
16	417	413	429	410	429	408	436	400	428	423
17	414	399	424	408	423	400	425	398	424	405
18	418	401	426	406	424	406	425	388	423	402
19	414	397	424	409	424	394	428	397	424	406
20	413	391	426	404	415	399	415	391	423	399
21	413	391	426	404	415	401	419	387	423	399
22	414	394	426	406	417	396	418	384	422	404
23	410	392	419	404	413	379	415	376	419	399
24	414	392	423	404	413	379	418	376	419	399
25	416	397	421	404	412	395	416	383	427	404
26	415	400	420	406	415	398	415	384	424	410
27	416	394	423	404	421	396	419	387	424	406
28	417	404	425	411	418	404	416	392	427	413
29	418	404	423	413	415	401	418	385	427	414
30	419	402	422	408	418	400	413	394	428	412
31	417	400	423	406	3413	396	421	387	425	407

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

Month : July-2009					Month : August 2009			
Date	U/F 48.8 Hz		Df/Dt		U/F 48.8 Hz		Df/Dt	
	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	2	110.0	0	0.0
2	0	0.0	0	0.0	0	0.0	0	0.0
3	0	0.0	0	0.0	8	140.5	0	0.0
4	0	0.0	0	0.0	5	49.7	0	0.0
5	0	0.0	0	0.0	0	0.0	0	0.0
6	1	13.0	0	0.0	0	0.0	0	0.0
7	0	0.0	0	0.0	1	60.6	0	0.0
8	0	0.0	0	0.0	25	175.1	0	0.0
9	0	0.0	0	0.0	5	46.1	0	0.0
10	0	0.0	0	0.0	13	163.8	0	0.0
11	0	0.0	0	0.0	16	54.6	0	0.0
12	0	0.0	0	0.0	21	119.3	0	0.0
13	0	0.0	0	0.0	2	118.3	0	0.0
14	0	0.0	0	0.0	0	0.0	0	0.0
15	0	0.0	0	0.0	2	73.0	0	0.0
16	0	0.0	0	0.0	0	0.0	0	0.0
17	0	0.0	0	0.0	1	45.5	0	0.0
18	2	107.6	0	0.0	4	55.4	0	0.0
19	0	0.0	0	0.0	4	82.8	0	0.0
20	5	76.2	0	0.0	0	0.0	0	0.0
21	0	0.0	0	0.0	1	114.2	0	0.0
22	0	0.0	0	0.0	9	180.9	0	0.0
23	0	0.0	0	0.0	0	0.0	0	0.0
24	0	0.0	0	0.0	11	109.6	0	0.0
25	3	89.5	0	0.0	1	21.1	0	0.0
26	0	0.0	0	0.0	2	124.2	0	0.0
27	0	0.0	0	0.0	1	4.6	0	0.0
28	0	0.0	0	0.0	0	0.0	0	0.0
29	0	0.0	0	0.0	0	0.0	0	0.0
30	0	0.0	0	0.0	0	0.0	0	0.0
31	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL	11	107.60	0	0.00	134	180.90	0	0.00

Note :- U/F 48.2 Hz & 48.6 Hz Operation - NIL

Discoms wise Average Supply Hours

PARTICULARS	East Zone		Central Zone		West Zone		MP	
	Jul-09	Aug-09	Jul-09	Aug-09	Jul-09	Aug-09	Jul-09	Aug-09
Commissinary HQ	22:24:00	22:29	22:38:00	22:19	22:42	22:59	22:34	22:28
District HQ	21:29	19:26	20:15	19:25	21:32	19:41	21:03	19:24
Tehsil HQ	15:17	11:41	15:26	13:14	16:08	12:36	15:35	12:27
Rural -3Phase	6:29	4:31	6:48	5:39	6:47	4:58	6:41	5:00
Rural -1Phase	6:12	4:39	5:12	4:02	6:42	5:28	6:01	4:42
Total Rural	12:41	9:10	12:00	9:41	13:29	10:26	12:42	9:42

Anticipated Average Availability at MP Periphery: 2009-10

Figures in MW

Particulars											Sep-09				
											0 to 06	06 to 12	12 to 18	18 to 24	Energy in MU
Thermal (R-5)											1502	1502	1502	1502	1081
Hydel											70	0	0	240	56
CSS											1559	1559	1559	1559	1122
ISP											160	0	0	320	86
SSP											30	30	30	240	59
Omkareshwar											50	50	50	50	36
DVC											100	100	100	100	72
Total											3470	3240	3240	4010	2513
Avg Unres. Demand											4100	3900	3700	4800	
Particulars	Oct-09					Nov-09					Dec-09				
	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-5)	1729	1729	1729	1729	1286	1911	1911	1911	1911	1376	1911	1911	1911	1911	1422
Hydel	90	0	10	290	73	100	50	10	360	94	100	50	10	390	102
CSS	1606	1606	1606	1606	1195	1581	1581	1581	1581	1139	1530	1530	1530	1530	1138
ISP	240	0	0	380	115	260	0	0	500	137	230	0	0	498	135
SSP	30	30	30	240	61	120	30	30	310	88	120	30	30	310	91
Omkareshwar	50	50	50	50	37	50	50	50	160	56	50	50	50	160	58
DVC	100	100	100	100	74	100	100	100	100	72	100	100	100	100	74
Total	3845	3515	3525	4395	2842	4122	3722	3682	4922	2961	4041	3671	3631	4899	3021
Avg Unres. Demand	5200	5000	5000	5800		6500	6300	6000	7000		6600	6500	6200	7100	
Particulars	Jan-10					Feb-10					Mar-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-5)	1911	1911	1911	1911	1422	1911	1911	1911	1911	1284	1911	1911	1911	1911	1422
Hydel	100	0	10	300	76	60	0	0	220	47	10	0	0	180	35
CSS	1651	1651	1651	1651	1228	1567	1567	1567	1567	1053	1646	1646	1646	1646	1225
ISP	220	0	0	440	123	170	0	0	390	94	160	0	0	370	99
SSP	120	30	30	270	84	100	30	30	200	60	100	30	30	200	67
Omkareshwar	50	50	50	160	58	50	50	50	110	44	50	50	50	110	48
DVC	100	100	100	100	74	100	100	100	100	67	100	100	100	100	74
Total	4152	3742	3752	4832	3065	3958	3658	3658	4498	2650	3977	3737	3737	4517	2970
Avg Unres. Demand	6400	6300	5900	6900		5800	5700	5400	6400		5200	5000	4800	5800	

TENTATIVE MAINTENANCE PROGRAMME OF MPPGCL THERMAL UNITS FOR THE YEAR 2009-2010 R-05																								No of Days	REMARKS		
STATION	UNIT No.	AOH START	AOH COMP	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR												
AM-II	3	15/Dec/09	2-May																					138	C.O.H.	R&M	
AM-II	4	26/Jul/09	13-Dec																					140	C.O.H.	R&M	
AMK EXT	5																										
STP-I	1	3/Jun/09	5-Jul																					32	A.O.H.		
STP-I	2	15/Sep/09	30-Sep																					15	A.O.H.		
STP-I	3	15/Jul/09	8-Aug																					25	A.O.H.		
STP-I	4	15/Oct/09	30-Oct																					16	A.O.H.		
STP-I	5	5/Nov/09	20-Nov																					16	A.O.H.		
STP-II	6	1/May/09	11-Jun																					41	C.O.H.	Gen.X ^m mer & TG Works	
STP-II	7	10/Sep/09	30-Sep																					20	A.O.H.		
STP-III	8	15/Jun/09	11-Jul																					27	A.O.H.		
STP-III	9	25/Jun/09	27-Jul																					32	A.O.H.		
SGTPS - I	1	10/Sep/09	20-Oct																					40	C.O.H.	HP ROTOR & HPH REPLACE	
SGTPS - I	2	25/Sep/09	4-Nov																					40	A.O.H.	HPH REPLACE	
SGTPS - II	3	27/Jul/09	30-Jul																					34	A.O.H.		
SGTPS - II	4	4/Sep/09	25-Sep																					21	A.O.H.		
SGTPS EXT	5	2/Aug/09	1-Sep																					31	A.O.H.		
Capacity under Planned Maintenance				0	0	200	200	242	413	651	523	495	620	567	813	622	463	232	141	120	120	120	120	120	120		
PLANNED MAINTENANCE %				0	0	9	9	11	18	29	23	22	27	25	36	27	20	10	6	0	5	5	5	5	5	4	
AVAILABLE CAPACITY ON BARS AFTER PLANNED MAINTENANCE				2933	2933	2733	2733	2691	2520	2282	2410	2438	2313	2366	2120	2311	2470	2701	2792	2813	2813	2813	2813	2813	2813	2813	
THERMAL AVAILABILITY AFTER CONSIDERING FORCED & PARTIAL OUTAGES IN MW INCLUDING AUX. CONSUMPTION				2079	1737	1461	1405	1528	1650	1900	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100		

A.O.H.
 C.O.H.
 Completed

MADHYA PRADESH POWER TRANSMISSION COMPANY LIMITED
STATE LOAD DESPATCH CENTER, NAYAGAON, RAMPUR, JABALPUR
Telephone: (0761) 2702740/2702748 Fax :(0761) 2664343
E-mail sidcmpseb@yahoo.com

THE DETAILS OF SHUT DOWN PROGRAMME FOR THE POST MONSOON MAINTENANCE OF 400KV/220KV LINES / TRANSFORMER HAS BEEN REVISED & APPROVED BY SLDC , HOWEVER THE SHUT DOWN SHALL BE AVALIED ON CONFIRMATION BY SLDC CONTROL ROOM IN REAL TIME.

Sr. No	NAME OF LINES / ICT'S	CKT / ICT NO.	S / D REQUISITION BY	PROPOSED S/D DATE	APPROVAL DATE	REMARK
1	400 KV BINA - BHOPAL	I	EHT		29.09.09	
2	400 KV INDORE - NAGDA		EHT		05.10.09 & 06.10.09	THE EHT HAS PROPOSED S/D ON THE APPROVAL DATE
3	400 KV NAGDA-ISP		EHT		07.10.09 & 08.10.09	
4	400 KV BHOPAL- BINA LINE & BAY	II	EHT		08.10.09	
5	400 KV BHOPAL- ITARSI LINE & BAY	I	(T&C) BHOPAL	09.10.09	09.10.09	
6	400 KV BHOPAL- ITARSI LINE & BAY	II	EHT/(T&C) BHOPAL	12.10.09	12.10.09	
7	400KV ISP-INDORE	II	EHT		10.10.09 & 11.10.09	
8	400KV ISP-INDORE	I	EHT		12.10.09 & 13.10.09	THE EHT HAS PROPOSED S/D ON THE APPROVAL DATE
9	400 KV MAIN BUS AT 400 KV S/S BINA	I	T&C BINA		15.10.09	
10	400 KV MAIN BUS AT 400 KV S/S BINA	II	T&C BINA		16.10.09	
11	400/220 KV 3*105 MVA ICT AT 400 KV S/S INDORE	I	T & C INDORE	16.09.09 , 17.09.09 & 18.09.09	16.09.09 , 17.09.09 & 18.09.09	
12	400/220 KV 3*105 MVA ICT AT 400 KV S/S INDORE	II	T & C INDORE	22.09.09 ,23.09.09 & 24.09.09	22.09.09 ,23.09.09 & 24.09.09	
13	400/220 KV 3*105 MVA ICT AT 400 KV S/S INDORE	III	T & C INDORE	25.09.09 & 26.09.09	25.09.09 & 26.09.09	
14	400/220 KV 3*105 MVA ICT AT 400 KV S/S NAGDA	I	T & C NAGDA	16.09.09 , 17.09.09 & 18.09.09	NOT APPROVED	DATE MAY BE REVISED BY TESTING DN. NAGDA
15	400/220 KV 3*105 MVA ICT AT 400 KV S/S NAGDA	II	T & C NAGDA	22.09.09 ,23.09.09 & 24.09.09	NOT APPROVED	DATE MAY BE REVISED BY TESTING DN. NAGDA
16	400/220 KV 3*105 MVA ICT AT 400 KV S/S NAGDA	III	T & C NAGDA	05.10.09 ,06.10.09 & 07.10.09	05.10.09 ,06.10.09 & 07.10.09	
17	400KV NAGDA-RAJGARH	I	T & C NAGDA	21.10.09 & 22.10.09	21.10.09 & 22.10.09	
18	400KV NAGDA-RAJGARH	II	T & C NAGDA	26.10.09 & 27.10.09	26.10.09 & 27.10.09	
19	400KV NAGDA-ISP		T & C NAGDA	29.10.09 & 30.10.09	29.10.09 & 30.10.09	
20	400KV MAIN BUS	I	T & C NAGDA	4.11.09 & 05.11.09	4.11.09 & 05.11.09	
21	400KV MAIN BUS	II	T & C NAGDA	10.11.09 & 11.11.09	10.11.09 & 11.11.09	
22	220KV ICT AT 400KV S/S BHOPAL	II	T & C BHOPAL	16.09.09	16.09.09	
23	220KV BINA-BHOPAL LINE & BAY AT 400KV S/S BHOPAL	I	T & C BHOPAL	18.09.09	18.09.09	
24	220KV BINA-BHOPAL LINE & BAY AT 400KV S/S BHOPAL	II	T & C BHOPAL	19.09.09	19.09.09	
25	220KV BAIRAGARH-BHOPAL LINE & BAY AT 400KV S/S BHOPAL	II	T & C BHOPAL	22.09.09	22.09.09	
26	220KV SHUJALPUR -BHOPAL LINE & BAY AT 400KV S/S BHOPAL	I	T & C BHOPAL	23.09.09	23.09.09	
27	220KV SHUJALPUR -BHOPAL LINE & BAY AT 400KV S/S BHOPAL	II	T & C BHOPAL	30.09.09	30.09.09	
28	220KV BUS TIE BAY AT 400KV S/S BHOPAL		T & C BHOPAL	3.10.09	3.10.09	
29	400/220 KV 3*105 MVA ICT AT 400 KV S/S BHOPAL	III	T & C BHOPAL	05.10.09	05.10.09	
30	400KV MAIN AND TIE CB OF 315 MVA Xmer AT 400 KV S/S BHOPAL	III	T & C BHOPAL	06.10.09	06.10.09	
31	400KV MAIN AND TIE CB OF ITARSI AT 400KV S/S BHOPAL	I	T & C BHOPAL	06.10.09	06.10.09	
32	220KV ICT AT 400KV S/S BHOPAL	III	T & C BHOPAL	07.10.09	07.10.09	
33	220 KV BUS AT 400KV S/S BHOPAL	II	T & C BHOPAL	13.10.09	13.10.09	
34	220 KV BUS AT 400KV S/S BHOPAL	I	T & C BHOPAL	14.10.09	14.10.09	
35	400/220 KV 3*105 MVA ICT AT 400 KV S/S BINA	II	T & C BINA	22.09.09,23.09.09 & 24.09.09	22.09.09,23.09.09 & 24.09.09	
36	400/220 KV 3*105 MVA ICT AT 400 KV S/S BINA	III	T & C BINA	25.09.09 & 26.09.09	25.09.09 & 26.09.09	
37	50MVA REACTOR 400KV BHOPAL AT 400 KV S/S BINA	I	T & C BINA	01.10.09	01.10.09	

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Sr. No	NAME OF LINES / ICT's	CKT / ICT NO.	S / D REQUISITION BY	PROPOSED S/D DATE	APPROVAL DATE	REMARK
38	50MVA REACTOR 400KV BHOPAL AT 400 KV S/S BINA	II	T & C BINA	3.10.09	3.10.09	
39	50MVA 400KV BUS REACTOR AT 400 KV S/S BINA		T & C BINA	13.10.09	13.10.09	
40	25MVA REACTOR AT 400 KV S/S BINA	I	T & C BINA	18.09.09	18.09.09	
41	25MVA REACTOR AT 400 KV S/S BINA	II	T & C BINA	19.09.09	19.09.09	
42	220KV BINA- GWALIOR	II	T & C BINA	16.09.09	16.09.09	
43	220KV BINA- SAGAR	I	T & C BINA	9.10.09	9.10.09	
44	220KV BINA- SAGAR	II	T & C BINA	12.10.09	12.10.09	
45	220KV BINA I/C	I	T & C BINA	17.09.09	17.09.09	
46	220KV BINA I/C	II	T & C BINA	30.09.09	30.09.09	
47	220KV BINA- BHOPAL	I	T & C BINA	18.09.09	18.09.09	
48	220KV BINA- BHOPAL	II	T & C BINA	19.09.09	19.09.09	
49	220KV BINA IC	I	T & C BINA	17.09.09	17.09.09	
50	220KV BINA IC	II	T & C BINA	30.09.09	30.09.09	
51	160MVA AT 220 KV S/S BINA		T & C BINA	05.10.09 & 06.10.09	05.10.09 & 06.10.09	
52	3*40MVA AT 220 KV S/S BINA		T & C BINA	07.10.09 & 08.10.09	07.10.09 & 08.10.09	
53	220KV MAIN BUS TOWARDS 160MVA Xmer AT 220 KV S/S BINA		T & C BINA	01.10.09	01.10.09	
54	220KV MAIN BUS TOWARDS 3 * 40MVA Xmer AT 220 KV S/S BINA		T & C BINA	3.10.09	3.10.09	
55	220KV AUXILLARY BUS AT 220 KV S/S BINA		T & C BINA	10.10.09	10.10.09	

Unitwise / Stationwise Generation in MU				
A. Thermal				
Stn. Name	UNIT No.	Capacity MW	July '09	August '09
AMARKANTAK	3	120	23.419	28.11
	4	120	9.23	0.00
	PH II	240	32.649	28.11
	PH III	210	83.184	68.82
	TOT	450	115.833	96.94
SATPURA	1	62.5	21.847	32.79
	2	62.5	28.021	30.48
	3	62.5	13.697	20.66
	4	62.5	28.057	28.71
	5	62.5	29.384	28.56
	PH I	312.5	121.006	141.19
	6	200	80.845	124.72
	7	210	91.715	94.35
	PH II	410	172.56	219.06
	8	210	63.795	120.01
	9	210	14.72	131.83
PH III	420	78.515	251.84	
TOT	1142.5	372.081	612.09	
SANJAY GANDHI	1	210	79.037	87.87
	2	210	80.518	63.75
	PH I	420	159.555	151.63
	3	210	5.163	142.42
	4	210	111.587	115.76
	PH II	420	116.75	258.18
	PH III	500	281.296	17.96
	TOT	1340	557.60	427.77
MPPGCL THERMAL		2932.5	1045.52	1136.79
AMARKANTAK POWER HOUSE-I RETIRED FROM SERVICE WEF 01.04.2009				
B. Hydel				
Station Name	Capacity MW	July '09	Aug'09	
GANDHISAGAR	115.0	1.45	10.49	
R.P.SAGAR	172.0	0.02	0.00	
J.SAGAR	99.0	8.14	1.57	
CHAMBAL	386.0	9.61	12.06	
M.P.CHAMBAL	193.0	4.80	6.03	
PENCH	160.0	33.75	55.20	
M.P.PENCH	107.0	22.50	36.80	
BARGI	90.0	6.88	8.27	
TONS	315.0	120.55	67.72	
BIRSINGHPUR	20.0	7.24	4.98	
B.SGR(DEOLONDH)	60.0	0.00	9.41	
B.SGR(SILPARA)	30.0	9.47	3.46	
RAJGHAT	45.0	0.00	0.00	
M.P.RAJGHAT	22.5	0.00	0.00	
B.SGR(JINHA)	20.0	0.00	0.00	
MADIKHEDA	60.0	0.00	2.40	
TOTAL HYDEL	1186.0	187.49	161.11	
M.P.P.GCL Hydel	915.0	179.33	159.54	
MPSEB HYDEL	917.5	171.43	136.68	
MPSEB TOTAL	917.5	1168.55	1216.99	
B. NHDC				
Indira Sagar Hydel Project	1000	69.37	170.13	
Omkareshwar Hydel Project	520	50.52	81.44	

MP SUPPLY EXCLUDING AUXILIARY CONS.
in Million Units

S.No.	Particulars	Jul-09	Aug-09
1	MPSEB Thermal Availability	893.61	952.35
2	MPSEB Hydel Availability	168.50	137.24
3	Indira Sagar	69.33	170.08
4	Omkareshwar	50.52	81.44
5	Schedule / Drawal From Central Sector	1309.10	1226.46
6	Schedule of DVC	33.96	28.11
7	Schedule og Rhand+Matatila	2.64	5.60
8	Sardar Sarovar	76.37	91.72
9	Additional Power Purchase	0.00	0.00
10	Sale of Power	-9.95	0.00
11	Banking of Power	-201.94	-244.91
12	Energy Exchange	0.00	0.00
13	Unschedule Interchange	-41.69	13.47
14	Excess Drawal From Chambal-Satpura	36.06	50.81
15	Excess Drawal From Rajghat	-0.01	-0.02
16	Other Imp / Exp	42.45	42.61
17	Total MPSEB Supply excl. Aux. Cons.	2423.21	2554.96
18	Average Supply per Day	78.17	82.42
19	Maximum Daily M.P. Supply	82.02	83.31
20	Minimum Daily M.P. Supply	69.18	75.22422
21	Registered Demand : MW	4216	4590
22	Morning Peak : MW	3565	4590
23	Eveninig Peak : MW	4129	4373
24	Unrestricted Demand : MW	5251	5374

Hourly Average Own Generation, Schedule Drawal , Actual Drawal & Demand
Month :- July 2009

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	49.72	1393	1253	237	136	74	21	1722	1645	44	96	8	-187	0	0	0	-21	3	1588	3310	1609	22	0	3331	0	619	619	3990	3990
2:00	49.85	1390	1251	233	124	71	21	1701	1645	44	86	8	-187	0	0	0	-21	3	1579	3280	1682	102	0	3382	0	523	523	3926	3926
3:00	49.92	1394	1255	229	94	68	20	1666	1644	44	83	8	-187	0	0	0	-20	3	1575	3241	1710	135	0	3376	0	452	452	3839	3839
4:00	49.93	1386	1247	212	65	68	20	1613	1644	44	80	8	-187	-10	0	0	-20	3	1563	3176	1704	141	0	3317	1	333	334	3660	3661
5:00	49.68	1390	1251	207	60	66	19	1603	1646	44	77	8	-187	-10	0	0	-19	3	1562	3165	1612	49	0	3214	1	371	372	3630	3631
6:00	49.77	1410	1269	221	57	64	19	1630	1647	44	67	8	-187	-10	0	0	-19	3	1553	3183	1544	-10	0	3174	0	418	418	3625	3625
7:00	49.80	1418	1276	218	3	64	21	1583	1635	44	58	9	-278	-3	0	0	-21	3	1447	3029	1534	88	0	3117	510	0	510	3146	3656
8:00	49.93	1408	1267	212	7	64	21	1571	1634	44	58	9	-279	-3	0	0	-21	3	1444	3015	1542	98	0	3113	504	0	504	3123	3627
9:00	49.75	1388	1249	215	7	64	27	1563	1633	44	58	9	-279	-5	0	0	-27	3	1435	2998	1449	15	0	3012	552	0	552	3048	3600
10:00	49.74	1374	1237	210	4	61	31	1543	1624	44	60	8	-391	-16	0	0	-31	3	1302	2845	1270	-32	0	2813	684	0	684	2849	3533
11:00	49.68	1341	1207	195	7	59	31	1499	1622	43	63	8	-391	-23	0	0	-31	3	1295	2794	1176	-118	0	2676	825	0	825	2721	3545
12:00	49.74	1359	1223	205	3	57	31	1519	1616	43	63	8	-391	-30	0	0	-31	3	1282	2800	1235	-47	0	2754	859	0	859	2790	3649
13:00	49.92	1377	1240	203	3	54	34	1533	1622	43	69	8	-391	-30	0	0	-34	3	1291	2824	1203	-88	0	2736	791	0	791	2748	3539
14:00	49.68	1398	1258	192	3	52	34	1539	1623	43	69	8	-391	-25	0	0	-34	3	1297	2836	1206	-91	0	2745	665	0	665	2790	3455
15:00	49.69	1401	1261	194	3	52	34	1545	1621	43	69	8	-391	-27	0	0	-34	3	1292	2837	1213	-79	0	2758	646	0	646	2801	3447
16:00	49.76	1414	1273	181	3	54	36	1547	1611	43	67	8	-391	-27	0	0	-36	3	1279	2826	1163	-116	0	2710	717	0	717	2744	3461
17:00	49.80	1422	1280	182	3	61	35	1561	1618	43	67	8	-386	-25	0	0	-35	3	1293	2854	1243	-50	0	2803	501	0	501	2831	3332
18:00	49.93	1428	1285	207	139	72	36	1738	1619	42	67	8	-313	-7	0	0	-36	3	1384	3122	1379	-5	0	3117	386	0	386	3126	3513
19:00	49.76	1418	1277	262	234	81	33	1886	1621	42	167	8	-192	-13	0	0	-33	3	1604	3490	1541	-63	0	3427	875	0	875	3461	4336
20:00	49.54	1436	1292	302	301	91	34	2020	1616	42	176	8	-192	-13	0	0	-34	3	1607	3627	1534	-73	0	3554	1051	0	1051	3619	4671
21:00	49.56	1450	1305	303	313	96	33	2050	1619	42	176	8	-192	-13	0	0	-33	3	1611	3661	1501	-109	0	3551	1159	0	1159	3613	4772
22:00	49.64	1447	1303	288	282	97	34	2003	1622	42	176	8	-192	-15	0	0	-34	3	1611	3615	1490	-121	0	3493	1048	0	1048	3544	4592
23:00	49.64	1430	1287	258	278	96	35	1954	1641	42	176	8	-170	-13	0	0	-35	3	1653	3608	1465	-188	0	3419	954	0	954	3470	4423
24:00	49.78	1419	1277	243	238	95	28	1880	1640	42	173	8	-185	-3	0	0	-28	3	1650	3530	1531	-119	0	3411	831	0	831	3442	4273
Avg.	49.76	1404	1263	225	99	70	29	1686	1630	43	96	8	-271	-13	0	0	-29	3	1463	3153	1439	-28	0	3125	565	113	678	3272	3837
00 TO 06 HRS.	49.81	1394	1254	223	89	69	20	1656	1645	44	82	8	-187	-5	0	0	-20	3	1570	3226	1643	73	0	3299	0	452	453	3778	3779
06 TO 12 HRS.	49.77	1381	1243	209	5	62	27	1546	1627	43	60	8	-334	-13	0	0	-27	3	1367	2914	1368	1	0	2914	656	0	656	2946	3602
12 TO 18 HRS.	49.80	1407	1266	193	26	57	35	1577	1619	43	68	8	-377	-23	0	0	-35	3	1306	2883	1234	-72	0	2812	618	0	618	2840	3458
06 TO 18 HRS.	49.79	1394	1255	201	15	60	31	1562	1623	43	64	8	-356	-18	0	0	-31	3	1337	2898	1301	-36	0	2863	637	0	637	2893	3530
18 TO 24 HRS.	49.65	1434	1290	276	274	93	33	1966	1626	42	174	8	-187	-12	0	0	-33	3	1623	3588	1510	-112	0	3476	986	0	986	3525	4511

Hourly Average Own Generation, Schedule Drawal , Actual Drawal & Demand
Month :- August 2009

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	49.44	1513	1361	228	257	122	38	2007	1571	36	104	9	-248	0	0	0	-38	6	1439	3446	1520	80	-54	3526	0	685	685	4291	4291			
2:00	49.52	1519	1367	210	228	134	38	1977	1570	36	76	9	-248	0	0	0	-38	6	1411	3388	1518	106	-54	3495	0	671	671	4233	4233			
3:00	49.57	1520	1368	203	212	117	38	1939	1567	36	76	9	-248	0	0	0	-38	6	1409	3347	1572	163	-54	3510	0	611	611	4182	4182			
4:00	49.50	1517	1365	207	212	134	39	1958	1569	36	76	9	-248	0	0	0	-39	6	1409	3367	1523	115	-54	3481	0	565	565	4117	4117			
5:00	49.46	1507	1356	196	216	136	40	1945	1570	36	76	9	-248	0	0	0	-40	6	1410	3354	1407	-2	-54	3352	0	597	597	4025	4025			
6:00	49.56	1517	1366	191	208	119	40	1924	1567	36	76	9	-246	0	0	0	-40	6	1408	3332	1358	-50	-54	3282	0	574	574	3918	3918			
7:00	49.45	1525	1372	177	109	111	40	1809	1572	36	50	8	-264	0	0	0	-40	6	1368	3177	1407	39	-54	3216	537	0	537	3293	3830			
8:00	49.66	1533	1379	159	104	102	42	1787	1571	36	50	8	-279	0	0	0	-42	6	1351	3138	1417	66	-54	3204	556	0	556	3252	3808			
9:00	49.59	1534	1381	152	100	102	43	1778	1566	36	54	8	-279	0	0	0	-43	6	1349	3127	1352	3	-54	3131	647	0	647	3189	3836			
10:00	49.57	1520	1368	149	100	101	44	1761	1563	37	54	8	-453	0	0	0	-44	6	1171	2932	1213	42	-54	2974	779	0	779	3035	3814			
11:00	49.49	1523	1370	153	100	94	44	1762	1561	37	54	8	-453	0	0	0	-44	6	1170	2931	1218	48	-54	2979	847	0	847	3050	3898			
12:00	49.53	1526	1373	160	100	94	46	1773	1560	37	54	8	-453	0	0	0	-46	6	1166	2939	1224	58	-54	2997	860	0	860	3064	3924			
13:00	49.70	1524	1372	158	100	96	46	1771	1564	37	59	8	-453	0	0	0	-46	6	1174	2946	1207	32	-54	2978	734	0	734	3021	3754			
14:00	49.45	1522	1370	152	96	96	45	1758	1562	37	59	8	-453	0	0	0	-45	6	1174	2932	1196	22	-54	2954	698	0	698	3031	3730			
15:00	49.47	1529	1377	147	96	96	44	1759	1559	37	59	8	-455	0	0	0	-44	6	1171	2930	1160	-11	-54	2919	729	0	729	2995	3724			
16:00	49.54	1525	1372	144	92	96	44	1748	1556	37	59	8	-455	0	0	0	-44	6	1167	2915	1197	30	-54	2945	700	0	700	3010	3710			
17:00	49.63	1517	1365	141	92	96	46	1740	1555	37	75	8	-456	0	0	0	-46	6	1179	2919	1230	51	-54	2970	601	0	601	3022	3623			
18:00	49.62	1531	1377	164	204	96	44	1886	1558	35	75	8	-446	0	0	0	-44	6	1192	3077	1283	91	-54	3169	614	0	614	3223	3837			
19:00	49.41	1528	1375	243	478	106	48	2249	1551	34	204	8	-255	0	0	0	-48	6	1500	3750	1527	26	-54	3776	886	0	886	3859	4745			
20:00	49.37	1528	1375	278	573	112	50	2389	1548	34	242	8	-255	0	0	0	-50	6	1533	3922	1438	-95	-54	3827	1022	0	1022	3916	4938			
21:00	49.33	1527	1375	271	562	123	49	2380	1551	34	242	8	-255	0	0	0	-49	6	1536	3916	1510	-26	-54	3890	1033	0	1033	3985	5018			
22:00	49.41	1535	1381	260	549	138	48	2376	1553	34	242	8	-255	0	0	0	-48	6	1540	3916	1538	-1	-54	3915	936	0	936	3998	4934			
23:00	49.53	1522	1370	242	517	131	48	2308	1571	34	242	8	-244	0	0	0	-48	6	1570	3878	1539	-30	-54	3848	919	0	919	3914	4833			
24:00	49.46	1504	1354	219	349	128	40	2090	1573	35	220	8	-248	0	0	0	-40	6	1555	3644	1547	-8	-54	3636	924	0	924	3712	4636			
Avg.	49.51	1523	1370	192	236	112	43	1953	1563	36	107	8	-329	0	0	0	-43	6	1342	3301	1379	31	-54	3332	584	154	739	3556	4140			
00 TO 06 HRS.	49.51	1515	1364	206	222	127	39	1958	1569	36	80	9	-248	0	0	0	-39	6	1414	3372	1483	69	-54	3441	0	617	617	4128	4128			
06 TO 12 HRS.	49.55	1527	1374	158	102	101	43	1778	1566	36	53	8	-364	0	0	0	-43	6	1262	3041	1305	43	-54	3083	704	0	704	3147	3851			
12 TO 18 HRS.	49.57	1525	1372	151	114	96	45	1777	1559	36	64	8	-453	0	0	0	-45	6	1176	2953	1212	36	-54	2989	679	0	679	3050	3730			
06 TO 18 HRS.	49.56	1526	1373	155	108	98	44	1778	1562	36	58	8	-408	0	0	0	-44	6	1219	2997	1259	39	-54	3036	692	0	692	3099	3791			
18 TO 24 HRS.	49.42	1524	1372	252	505	123	47	2299	1558	34	232	8	-252	0	0	0	-47	6	1539	3838	1517	-22	-54	3815	953	0	953	3897	4850			

Reservoir Level of Hydel Power Stations

Sr. No.	Name of Hydel Power Station	Last day of Jul'09	Last Day of Aug'09	MDDL
1	Gandhi Sagar	1268.18 ft	1268.04 ft	1250 ft
2	Pench	483.98 Mtr	483.55 Mtr	464 Mtr
3	Bargi	410.6 Mtr	412.55 Mtr	403.5 Mtr
4	Birsingpur	476.05 Mtr	476.66 Mtr	471 Mtr
5	Bansagar	326.17 Mtr	326.54 Mtr	323 Mtr
6	Rajghat	361.75 Mtr	364.35 Mtr	361.5 Mtr
7	Indira Sagar	255.47 Mtr	255.84 Mtr	243.23 Mtr
8	Omrakershwar	189.37 Mtr	189.43 Mtr	193.3 Mtr
9	Sardar Sarovar	118.05 Mtr	120.57 Mtr	110.64 Mtr

TENTATIVE UNITWISE GENERATION TARGETS IN MU's YEAR 2009-10 R- 05													
POWER STATION	ACTUAL					ANTICIPATED							TOTAL
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
AMK #3	49	47	35	23	28	45	37	43	22	0	0	0	331
AMK #4	48	43	45	9	0	0	0	0	21	42	38	42	288
AMK PH II	96	90	80	33	28	45	37	43	43	42	38	42	618
AMK PH III	62	74	61	83	69	110	114	110	114	114	103	114	1129
AMK COMP.	158	164	141	116	97	155	151	154	157	156	141	156	1747
STP #1	28	28	2	22	33	30	31	30	31	31	28	31	327
STP #2	34	32	25	28	30	15	31	30	31	31	28	31	348
STP #3	33	33	26	14	21	30	31	30	31	31	28	31	341
STP #4	34	31	22	28	29	30	10	30	31	31	28	31	338
STP #5	33	32	18	29	29	30	26	15	31	31	28	31	335
STP PH I	161	156	93	121	141	137	131	137	157	157	142	157	1689
STP #6	117	0	44	81	125	109	113	109	113	113	102	113	1139
STP #7	106	107	70	92	94	37	116	112	116	116	104	116	1185
STP PH II	223	107	114	173	219	147	229	221	229	229	207	229	2325
STP #8	101	109	40	64	120	119	123	119	123	123	111	123	1278
STP #9	105	110	62	15	132	119	123	119	123	123	111	123	1268
STP PH III	206	219	102	79	252	239	247	239	247	247	223	247	2546
STP COMP.	590	482	309	372	612	522	606	597	633	633	571	633	6560
SGTPS#1	102	89	79	79	88	38	39	113	117	117	106	117	1085
SGTPS#2	93	90	65	81	64	95	0	95	117	117	106	117	1038
SGTPS PH I	194	179	144	160	152	132	39	208	234	234	212	234	2123
SGTPS#3	122	101	81	5	142	122	126	122	126	126	114	126	1312
SGTPS#4	120	108	100	112	116	41	126	122	126	126	114	126	1334
SGTPS PH II	242	209	181	117	258	162	252	243	252	252	227	252	2646
SGTPS EXT	313	258	277	281	18	306	316	306	316	316	286	316	3308
SGTPS COMP.	749	646	602	558	428	601	607	757	802	802	724	802	8077
TOTAL	1497	1292	1052	1046	1137	1278	1364	1508	1592	1591	1437	1591	16384
TENTATIVE UNITWISE PUF IN % YEAR 2009-10													
POWER STATION	ACTUAL					ANTICIPATED							TOTAL
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
AMK #3	56.5	52.8	40.7	26.2	31.8	52.1	41.7	50.0	25.0	0.0	0.0	0.0	31.4
AMK #4	55.2	48.5	51.9	10.3	0.0	0.0	0.0	0.0	23.5	47.0	47.0	47.0	27.4
AMK PH II	55.8	50.6	46.3	18.3	15.9	26.0	20.8	25.0	24.3	23.5	23.5	23.5	29.4
AMK PH III	40.7	47.1	40.3	53.2	44.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.7
AMK COMP.	55.8	50.6	46.3	18.3	15.9	48.0	45.2	47.4	47.0	46.6	46.6	46.6	48.7
STP #1	61.9	60.9	4.5	47.0	70.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	59.8
STP #2	74.7	68.2	55.3	60.3	65.5	33.7	67.5	67.5	67.5	67.5	67.5	67.5	63.6
STP #3	72.2	70.9	57.6	29.5	44.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	62.2
STP #4	76.3	66.3	49.2	60.3	61.7	67.6	22.5	67.6	67.6	67.6	67.6	67.6	61.8
STP #5	72.3	68.8	40.3	63.2	61.4	67.5	56.3	33.8	67.5	67.5	67.5	67.5	61.2
STP PH I	71.5	67.0	41.4	52.0	60.7	60.8	56.2	60.8	67.5	67.5	67.5	67.5	61.7
STP #6	80.9	0.0	30.3	54.3	83.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	65.0
STP #7	70.3	68.5	46.3	58.7	60.4	24.7	74.0	74.0	74.0	74.0	74.0	74.0	64.4
STP PH II	75.5	35.1	38.5	56.6	71.8	49.7	75.0	75.0	75.0	75.0	75.0	75.0	64.7
STP #8	66.9	69.7	26.6	40.8	76.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	69.5
STP #9	69.6	70.6	40.7	9.4	84.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	68.9
STP PH III	68.2	70.2	33.7	25.1	80.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	69.2
STP COMP.	71.7	56.7	37.5	43.8	72.0	63.5	71.3	72.6	74.4	74.4	74.4	74.4	65.5
SGTPS#1	67.1	57.3	52.4	50.6	56.2	25.0	25.0	75.0	75.0	75.0	75.0	75.0	59.0
SGTPS#2	61.2	57.4	43.0	51.5	40.8	62.5	0.0	62.5	75.0	75.0	75.0	75.0	56.4
SGTPS PH I	64.2	57.3	47.7	51.1	48.5	43.8	12.5	68.8	75.0	75.0	75.0	75.0	57.7
SGTPS#3	80.7	64.8	53.7	3.3	91.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	71.3
SGTPS#4	79.3	69.1	66.0	71.4	74.1	26.8	80.5	80.5	80.5	80.5	80.5	80.5	72.5
SGTPS PH II	80.0	66.9	59.9	37.4	82.6	53.7	80.5	80.5	80.5	80.5	80.5	80.5	71.9
SGTPS PH III	87.0	69.2	76.9	75.6	4.8	85.0	84.9	85.0	85.0	85.0	85.0	85.0	75.5
SGTPS COMP.	77.6	64.8	62.4	55.9	42.9	62.3	60.8	78.5	80.4	80.4	80.4	80.4	68.8
TOTAL	73.2	60.2	50.5	47.5	52.7	60.5	62.5	71.4	73.0	72.9	72.9	72.9	64.4

List OF Telemetry Discrepancy Observed at S/s's

Sr.No	DESCRIPTION	status	telemetry value at SLDC	actual value at site
RTU name -Indore 400 KV S/S (Out of 5, attended 3 points)				
1	INDORE -UJJAIN 220 KV	CB	FAULTY	CLOSE
2	INDORE -IND EAST220 KV	CB	FAULTY	CLOSE
RTU Name INDORE NZ 220 KV S/S (Out of 6,attended 2 points & 3 new points added)				
1	220 KV BUS 2	VOLTAGE	0	227
2	160 MVA XMER 1	OLTC	6	8
3	220 KV TRB	CB	FAULTY	OPEN
4	220 KV BUS COUPLER	CB	FAULTY	OPEN
5	INDORE NZ TO INDORE-II	CB	FAULTY	CLOSE
6	INDORE NZ TO UJJAIN-II	CB	FAULTY	CLOSE
7	INDORE TO UJJAIN -I	CB	OPEN	CLOSE
RTU Name INDORE CHAMBLE132 KV S/S (No change)				
1	63 MVA XMER	OLTC	8	17
2	20 MVA XMER	OLTC	8	17
3	40 MVA XMER	OLTC	8	17
4	20 MVA XMER	CB	FAULTY	CLOSE
5	CHAMBLE132 KV-INDORE S.ZONE	CB	FAULTY	CLOSE
RTU name -Indore S.ZONE 220 KV S/S (Out of 16 , points attended 7 , new added 1)				
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 -1 132 KV	CB	OPEN	CLOSE
8	IND S/Z TO CHAMBLE	CB	FAULTY	CLOSE
9	3X40 MVA TRANSFORMER II(132KV SIDE)	CB	OPEN	CLOSE
10	IND S/Z TO PITHAMPUR II	CB	OPEN	CLOSE
RTU name Pitampur 220 KV S/S (Out of 10 , points attended 2 , new added 4)				
1	220 KV TR Bus Coupler	CB	FAULTY	OPEN
1	Pithampur-Rajgar (PG)-2 220KV	MW	Not provided, need to be provided by utilising transducers of 132 KV line	
2	Pithampur-Rajgar (PG)-2 220KV	MVAR		
2	PITAMPUR 220 KV-RATLAM	CB	FAULTY	CLOSE
3	132/33 KV TRANSFORMER 2	OLTC	N/C	8
4	132/33 KV TRANSFORMER 3	OLTC	N/C	11
5	132 KV TRB	CB	FAULTY	OPEN
6	132 KV BUS COUPLE	CB	FAULTY	OPEN
7	PITAMPUR 132 KV-HML	CB	FAULTY	OPEN
8	CAPACITOR BANK	CB	FAULTY	OPEN
9	20 MVA TRANSFORMER 132/33	MW	NC	10
10	20 MVA TRANSFORMER 132/33	MVAR	NC	12
11	40 MVA TRANSFORMER 132/33	OLTC	NC	6
12	40 MVA TRANSFORMER #1	CB	FAULTY	CLOSE
RTU name -NAGDA 400 KV S/S (Out of 5 , points attended 1 , new added 13)				
1	400/220 KV ICT II	OLTC	N/C	7
2	400/220 KV ICT III	OLTC	N/C	7
3	NAGDA -NEEMUCH 220 KV	MW	10	0

4	NAGDA –NEEMUCH 220 KV	MVAR	3	0
5	NAGDA-- ISP TIE BAY	CB	FAULTY	CLOSE
6	NAGDA-- ICT -II TIE BAY	CB	FAULTY	CLOSE
7	NAGDA-- ICT III TIE BAY	CB	FAULTY	CLOSE
8	400 KV Nagda-Bina1	CB	Not connected at site	
9	400 KV Nagda-Bina 2	CB		
10	400 KV Nagda-Rajgar 1	CB		
11	400 KV Nagda-Rajgar 2	CB		
12	400 KV Nagda-Dehgaon 1	CB		
13	400 KV Nagda-Dahgaon 2	CB		
14	220 KV Nagda-Ratlam 1	MW		
15	220 KV Nagda –Ratlam 1	MVAR		
16	220 Kv Nagda-Ratlam 2	MW		
17	220 KV Nagda-Ratlam 2	MVAR		
RTU name NAGDA 220 KV S/S (Out of 13, points attended 2, new added 2)				
1	125 MVA TRANSFORMER	OLTC	9#	8
2	160 MVA TRANSFORMER	OLTC	17	12
3	40 MVA TRANSFORMER -II	OLTC	17	5
7	220 KV BUS INTERCONNECTOR II	CB	FAULTY	CLOSE
5	125 MVA TRANSFORMER	CB	OPEN	CLOSE
6	220 KV BUS COUPLER	CB	FAULTY	OPEN
7	220 KV BUS INTERCONNECTOR I	CB	FAULTY	CLOSE
8	160 MVA TRANSFORMER 220kv side	CB	OPEN	CLOSE
9	NAGDA TO MAHIDPUR	CB	open	CLOSE
10	NAGDA TO A LOT	CB	FAULTY	CLOSE
11	NAGDA TO RATDIYA	CB	FAULTY	CLOSE
12	125 MVA TRANSFORMER (132KV) #1	CB	FAULTY	CLOSE
13	125 MVA TRANSFORMER (132KV)#2	CB	OPEN	CLOSE
RTU name Dewas 132 KV S/S (Out of 1 ,attended 1)				
RTU name Dewas 220 KV S/S (Out of 11,points attended 1,new added 3)				
1	220/132 KV TRANSFORMER	MW	29	90
2	220/132 KV TRANSFORMER	MVAR	6	10
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	DEWAS 132 KV –MSP	CB	FAULTY	CLOSE
11	20 MVA TRANSFORMER I	CB	FAULTY	OPEN
12	BUS COUPLER	CB	FAULTY	OPEN
13	DEWAS TO DEWAS IC #2	CB	FAULTY	CLOSED
14	DEWAS TO KESHRI STEEL	CB	FAULTY	OPEN
RTU name Ujjain 220 KV S/S (Out of 8 ,points attended 1, new added 2)				
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	CB	FAULTY	CLOSE
5	3X40 MVA TRANSFORMER (132 KV SIDE)	CB	FAULTY	CLOSE
6	63 MVA TRANSFORMER #2	CB	FAULTY	CLOSE
7	UJJAIN 132 KV- GHOSLA	CB	FAULTY	CLOSE
8	UJJAIN 220 TO BADNAGAR	CB	FAULTY	CLOSE
9	UJJAIN 220 SYNTHETIC	CB	FAULTY	OPEN
RTU name Shujalpur 220 KV S/S (Attended -nil)				

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
RTU name Shajapur132 KV S/S (Out of 2, point attended 1)				
1	132/33 KV TRANSFORMER 1	OLTC	N/C	9
RTU name Ratlam 220 KV S/S (Out of 4, points attended 2, new added 3)				
1	RATLAM 132 KV-MEGHNAGAR	MW	26	36
2	220 KV TRB	CB	FAULTY	OPEN
3	RATLAM 132 KV-MALHARGARH	CB	FAULTY	CLOSE
4	RATLAM 132 KV-UDEPUR	CB	FAULTY	CLOSE
5	RATLAM 132 KV-RATANGARH	CB	FAULTY	CLOSE
RTU name Neemuch 220 KV S/S (Out of 4 ,points attended 0 , new added 2)				
1	220/132 KV TRANSFORMER 1	OLTC	N/C	7
2	NEEMUCH TO NAGDA #2	CB	TRANSIT	CLOSE
3	BUS FREQUENCY		#	
4	220/132 KV TRANSFORMER 2	OLTC	N/C	8
5	NEEMUCH 132 KV INTER CONNECTOR II	CB	TRANSIT	CLOSE
6	220 KV MAIN BUS	VOLTAGE	33	230
RTU name Burwaha 220 KV S/S (Out of 10 , attended - nil)				
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	BURWAHA 220KV-NIMRANI	CB	FAULTY	CLOSE
6	BURWAHA 220KV-INDORE I	CB	FAULTY	CLOSE
7	220 /132 KV TRANSFORMER 1	CB	FAULTY	CLOSE
8	220 /132 KV TRANSFORMER 2 (132 KV SIDE)	CB	FAULTY	CLOSE
9	220 /132 KV TRANSFORMER2 (132 KV SIDE)	CB	FAULTY	CLOSE
10	BURWAHA 132KV-CHEGAON	CB	FAULTY	CLOSE
RTU name Neapanagar 220 KV S/S (Out of 5, points attended 2, new added 1)				
1	3X40 MVA XMER	OLTC	1	15
2	132/33 KV 12.5 MVA XMER	OLTC	17	5
3	220 KV TRB	CB	FAULTY	OPEN
4	NEPANAGAR TO CHHEGAON#2	CB	OPEN	CLOSE
RTU name Bhopal 400 KV S/S				
RTU name Bhopal 220 KV S/S (Out of 9 attended nil)				
1	BHOPAL132 KV-BAIRAGRAH II	MW	0	40
2	BHOPAL132 KV-BAIRAGRAH II	MVAR	0	15
3	BHOPAL132 KV-CHAMBLE I	MW	TRANDCUSERS ARE TO BE PROVIDED	15
4	BHOPAL132 KV- CHAMBLE I	MVAR		5
5	BHOPAL132 KV- CHAMBLE II	MW		14
6	BHOPAL132 KV- CHAMBLE II	MVAR		10
7	BHOPAL132 KV-CHAMBLE I	CB	FAULTY	CLOSE
8	BHOPAL132 KV-BAIRAGRAH II	CB	OPEN	CLOSE
9	BHOPAL132 KV- CHAMBLE II	CB	TRANDCUSERS ARE TO BE PROVIDED	CLOSE
RTU name Piparia 132 KV S/S (Out of 7,points attended 2 , new added 1) (All CB are n/c)				

1	132/33 KV TRANSFORMER I	OLTC	N/C	4
2	132/33 KV TRANSFORMER II	OLTC	N/C	4
3	PIPARIA-ITARSI 132 KV	MW	0	15
4	PIPARIA-ITARSI 132 KV	MVAR	0	10
5	PIPARIA 132 KV-BARELI	MW	0	8
6	PIPARIA 132 KV-BARELI	MVAR	0	5
7	ALL DIGITAL INDICATIONS ARE NON CURRENT			
RTU name Sarni 220 KV S/S (Out of 4 , points attended nil , new added 3)				
1	SARNI-SATPURA TPS 220 KV	MW	Telemetry no provided as metering not available at site	
2	SARNI-SATPURA TPS 220 KV	MVAR		
3	SARNI-SATPURA TPS 220 KV	CB		
4	SARNI 220 KV TRB	CB	FAULTY	CLOSE
5	220/132 KV TRANSFERMER I	CB	FAULTY	CLOSE
6	20 MVA TRANSFORMER III	OLTC	17	6
7	20 MVA TRANSFORMER IV	OLTC	9#	8
RTU name Bairagrah 220 KV S/S (Out of 5 , points attended 1)				
1	220 KV BUS 1 AND FREQUENCY	VOLTAGE	127	225
2	Bairagrah 220KV-Lalghati II	CB	FAULTY	CLOSE
3	220/132 KV TRANSFORMER 1	CB	FAULTY	CLOSE
4	220 KV TRB	CB	FAULTY	OPEN
RTU Name HANDIA 220 KV S/S (Out of 8 attended 4 , new added 4)				
1	132/33 TRANSFORMER II	MW	Telemetry not available because of non availability of metering at site	
2	132/33 TRANSFORMER II	MVAR		
3	132/33 TRANSFORMER II	OLTC	NC	
4	132/33 TRANSFORMER II	CB	FAULTY	CLOSE
5	HANDIA –KANNOD II	CB	FAULTY	CLOSE
6	HANDIA –ITARSI 220 KV	CB	FAULTY	CLOSE
7	HANDIA –BURWAHA 220 KV	CB	FAULTY	CLOSE
8	220 KV TRB	CB	FAULTY	CLOSE
RTU Name MALANPUR 220 KV S/S (Out of 7 , points attended 4)				
1	MALANPUR132 KV-BANMORE	CB	FAULTY	CLOSE
2	220 KV BUS COUPLER I	CB	FAULTY	CLOSE
3	220 KV BUS COUPLER II	CB	FAULTY	CLOSE
RTU Name MEHGAON 220 KV S/S ((out of 14,Attended –6)				
1	220 KV BUS TRANSFER	CB	FAULTY	OPEN
2	220/132 KV TRANSFERMER	CB	FAULTY	CLOSE
3	MEHGAON 22KV- MALANPUR	CB	FAULTY	CLOSE
4	MEHGAON 22KV- AURIYA	CB	FAULTY	CLOSE
5	220/132 KV TRANSFERMER (132 KV SIDE)	CB	FAULTY	CLOSE
6	MEHGAON 132 KV RON	CB	FAULTY	CLOSE
7	132 KV BUS TRANSFER	CB	FAULTY	OPEN
8	132 KV INTERCONNECTOR	CB	FAULTY	CLOSE
RTU name Gwalior 220 KV S/S (Out of 7, attended 1)				
1	132/33 KV TRANSFORMER 4	OLTC	N/C	6
2	132/33 KV TRANSFORMER 5	OLTC	N/C	6
3	GWALIOR 132 KV-BANMORE	CB	FAULTY	CLOSE
4	132 KV TRB	CB	FAULTY	OPEN
5	GWALIOR 132 KV-TRACTION II	CB	FAULTY	CLOSE
6	220/132 XMER I(132KV SIDE)	CB	FAULTY	CLOSE
RTU name Guna 220 KV S/S (Out of 5, attended 1,new added 4)				
1	220/132 KV TRANSFORMER	OLTC	N/C	3
3	GUNA RAGHAVGRAH	MW	5	12
3	220/132 KV TRANSFORMER	MW	0	40
4	220 KB AUX BUS	CB	FAULTY	OPEN

5	GUNA-220 KV BINA 2	MW	TRANSDUCERS NOT AVAILABLE	
6	GUNA-220 KV BINA 2	MVAR		
7	GUNA 220/132 TRF-2	MW		
8	GUNA 220/132 TRF-2	MVAR		
RTU name Ashta 132 KV S/S (Out of 3, attended 1)				
1	ASHTA 132 KV-ARNIKALAN II	CB	FAULTY	CLOSE
2	ASHTA 132 KV	VOLTAGE	N/C	130
RTU name Boregaon 132 KV S/S (Out of 3, attended 1)				
1	132/33 KV TRANSFORMER	OLTC	N/C	5
2	BOREGOAN132 KV-CHINDWADA	MVAR	136	10
RTU name Chindwada 132 KV S/S (attended nil)				
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
RTU name Pandurna 220 KV S/S (Out of 3, attended 1)				
1	220/132 KV TRANSFORMER	OLTC	N/C	4
2	132/33 KV TRANSFORMER 1	CB	FAULTY	CLOSE
3	PANDURNA TRF BuS CB	CB	transit	CLOSE
RTU name Narsingpur 220 KV S/S (Out of 21, attended 10)				
1	220/132 KV TRANSFORMER 1	OLTC	N/C	7
2	220/132 KV TRANSFORMER 2	OLTC	N/C	5
3	132/33 KV TRANSFORMER 1	OLTC	N/C	6
4	NARSINGPUR220 KV-ITARSI 1	MW	Transducers not Available	
5	NARSINGPUR220 KV-ITARSI 1	MVAR		
6	NARSINGPUR220 KV-ITARSI 2	MW		
7	NARSINGPUR220 KV-ITARSI 2	MVAR		
8	220/132 KV TRANSFORMER 2	MW		
9	220/132 KV TRANSFORMER 2	MVAR		
10	220/132 KV TRANSFORMER 2	CB	OPEN	CLOSE
11	132 KV INTERCONNECTOR 2	MW	74	10
RTU name Satna 220 KV S/S (Out of 9, attended 1)				
1	220/132 KV TRANSFORMER 1	OLTC	N/C	7
2	132/33 KV TRANSFORMER 1	OLTC	N/C	7
3	132/33 KV TRANSFORMER 2	OLTC	N/C	7
4	SATNA 220KV-SATNA PGCIL 2	CB	OPEN	CLOSE
5	SATNA 132 KV-PANNA	CB	FAULTY	CLOSE
6	SATNA 132/33 KV TRF 2	CB	FAULTY	CLOSE
7	SATNA 132 KV INTERCONNECTOR 2	CB	FAULTY	CLOSE
8	132 KV BUS 2	VOLTAGE	13	134
RTU name Satna 132 KV S/S (Attended – nil)				
1	132/33 KV TRANSFORMER 1	OLTC	N/C	6
2	132 KV TRB	CB	FAULTY	OPEN
RTU name Morwa 132 KV S/S (Attended – nil)				
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
RTU name -Bina 400 KV S/S (Out of 6, attended 1, new added 1)				
1	BINA400 KV-BINA PGCIL1	CB	FAULTY	CLOSE
2	BINA 220 KV-SHIVPURI 2	CB	OPEN	CLOSE
3	BINA 400/220 TRF3 CB	CB	N/C	CLOSE
4	BINA 220 KV-GWALIOR 2	CB	OPEN	CLOSE
5	BINA 220 KV- GUNA 1	CB	FAULTY	CLOSE
6	BINA 220 KV-GUNA 2	CB	OPEN	CLOSE

RTU name -Bina 220 KV S/S				
1	BINA 132 KV-SAGAR	CB	FAULTY	CLOSE
2	BINA 132 KV-PICHORE	CB	FAULTY	CLOSE
3	BINA 132 KV –CAPACITOR BANK	CB	FAULTY	OPEN
4	220/132 KV TRANSFORMER 2 (132 KV SIDE)	CB	FAULTY	CLOSE

RTU NAME- Amarkanatak Thermal Power Station**(Out of 24,attended 2 points)**

S.N	Description		Telemetred value at site	Telemetred value at SLDC
1	ATPS 220 KV- Jabalpur	CB	CLOSE	OPEN
2	ATPS 220/6.6 KV Stn Xmer II	CB	CLOSE	OPEN
3	ATPS 220/132 KV Xmer 1(132kv)	CB	CLOSE	OPEN
4	ATPS 220/132 KV Xmer 4 (132kv)	CB	CLOSE	OPEN
5	ATPS220KV-Rewa	MW	67 MW	57 MW
6	ATPS220KV-Rewa	MVAR	10 MVAR	29 MVAR
7	ATPS220KV-BRS220 III	MW	20 MW	37 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

RTU NAME- Birsingpur Thermal Power Station (Out of 6, attended 2)

1	BRS220 KV IC 1	MW	117 MW	2 MW
2	BRS220 KV IC 1	MVAR	10 MVAR	0 MVAR
3	BRS 400 /220 ICT	MW	115	190
4	BRS 400KV- DAMOH PGCIL	MW	330	344

RTU NAME- Satpura Thermal Power Station -I (Out of 19, attended 9)

1	STPS PH I Stn Xmer III	CB	CLOSE	FAULTY
2	STPS PH I BUSCOUPLER I	CB	OPEN	FAULTY
3	STPS PH I BUSCOUPLER II	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 (Out of 9, attended nil)

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

RTU NAME- Tons hydel Power Station (Out of 4, attended nil)

1	STN. XMER	MW	2	0
2	STN. XMER	MVAR	10	0
3	GENERATOR 3	CB	close	faulty
4	BUSCOUPLER	CB	OPEN	faulty

RTU NAME- Bargi hydel Power Station (Out of 3, attended nil)				
1	BARGI 132 KV –JABALPUR 2	CB	Close	faulty
2	GENERATOR 1	CB	OPEN	transit
3	STN. XMER	CB.	OPEN	faulty
RTU NAME- PENCH hydel Power Station (Attended – nil)				
1	GENERATOR 2	CB	open	transit
RTU NAME- Gandhi sagar hydel Power Station (Out of 7, attended 3)				
1	132 KV BUS COUPLER	CB	OPEN	CLOSE
2	132/33 KV Transformer	CB	faulty	CLOSE
3	GENERATOR V	CB	FAULTY	CLOSE
4	132/33 KV XMER	OLTC	9	6
RTU NAME- Rajghat hydel Power Station (Out of 7, attended nil)				
1	RAJGHAT132 KV-LALITPUR	MW	N/C	5
2	RAJGHAT132 KV-LALITPUR	MVAR	N/C	5
3	RAJGHAT132 KV-LALITPUR	CB	FAULTY	OPEN
4	GENERATOR I	CB	FAULTY	OPEN
5	GENERATOR II	CB	FAULTY	OPEN
6	GENERATOR III	CB	FAULTY	OPEN
7	132 KV BUS	VOLTAGE	N/C	129