

AGENDA FOR 15TH MEETING OF OPERATION & COORDINATION COMMITTEE OF MP TO BE HELD ON 15TH JULY 2009 AT SLDC, MPPTCL, JABALPUR

ITEM NO. 1 : CONFIRMATION OF MINUTES

Minutes of 14th meeting of Operation & coordination committee of MP held on 14.05.2009 at O/o Chief Engineer (PS), MPPTCL, Jabalpur were forwarded vide letter no. 04-02/PS/OCC/426 dated 23.05.2009. Comments of Sr. DGM (LRM), MP Tradeco on point no. 2.3 for rationalization of weekly days of rural feeders have been received vide their letter no. MD/MPTradeco/598 dated 02.06.09. The ED (PS), MPPTCL has commented that there is no need of amendment in the Minutes of meeting.

The Committee may discuss

ITEM NO. 2 : REVIEW OF SYSTEM OPERATION DURING THE MONTH OF MAY 2009 AND JUNE 2009**2.1 Frequency Particulars**

The detailed frequency particulars for the month of May-2009 & June 2009 are enclosed at Annexure-2.1.

The Committee may like to note.

2.2 Operational Matters**2.2.1 Operational Discipline**

Instances of significant violation of IEGC by MP during the month of May-09 and June-09 as furnished by WRLDC are enclosed at annexure- 2.2. SLDC shall start intimating the Instances of significant violation by each DISCOM from the next OCCM. The DISCOMS may start the functioning of the DCCs to restrict their drawal from the grid to their schedules.

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

During May-2009 & June 2009, the system frequency of the combined grid was within the permissible range of 49.2-50.3 Hz for 91.21% & 80.29 % of the time respectively. The net unscheduled interchange by MP during the months May and June 2009 was 20.92 MU.and 47.81 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 May & June 2009 is enclosed at Annexure -2.3.

During the month of May-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	MAY 2009				JUNE 2009			
		Max. Voltage observed		Min. Voltage observed		Max. Voltage observed		Min. Voltage observed	
		Voltage	Date	Voltage	Date	Voltage	Date	Voltage	Date
1	Indore	420	10,17.05.09	No Deviation Observed		423	16.06.09	No Deviation Observed	
2	Itarsi	428	09,10.05.09			431	15.06.09		
3	Bina	427	31.05.09			428	15.06.09		
4	Gwalior	427	05.05.09			428	13,14.06.09		
5	Nagda	428	18.05.09			430	14,17.06.09		
6	Bhopal	425	10.05.09						
7	Satpura	421	09.05.09			421	15.06.09		

The Committee may discuss.

2.3.2 Status of completion of on going Schemes of Commissioning of reactors implemented by MPPTCL

- (I) The status of work for providing additional reactors at the various locations in MP according to the available information is as below

Sr. No.	Name of Substation	Size (MVAR)	Expected date of commissioning
1	Not Available		

MPPTCL is requested to ensure that the reactors are installed and commissioned as per the schedule.

2.3.3 Status of CAPCITOR Banks in sub-transmission system

Position of Capacitor Banks in sub-Transmission system as has been furnished by East DISCOM only. Other DISCOMS may furnish the details for discussion in the meeting.

Sr. No.	Number of Capacitor Banks to be installed		Achievement as Mar'09	
	600 KVAR	1200 KVAR	600 KVAR	1200 KVAR
EZ	240	90	231	73
WZ	Information not furnished			
CZ				

(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 as per the available information is annexed as Annexure-2.4.1

The Committee may like to note/discuss.

2.4.2 U/F Relay Operation

(i) During May and June 2009 the system frequency remained below 49.2 Hz for 6.45 % and 19.19 % of the time respectively. The frequency touched, 48.80 Hz 36 and 1144 times during May & June 2009 respectively.

The consolidated information about UFLS operation for May 2009 and June 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.

[Action ED (T&C)]

(iii) Automatic Under Frequency Load Shedding & df/dt plan feedback and suggestion, if any, on the existing plan wef 15.11.2007 and 01.07.2008 respectively.

[Action T&C/Discoms/PS].

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

Sl. No.	Name of Constituents	Date of Receipt

The information from Amarkantak TPS of MPPGCL is only received for April 2009 which states that DRs & SERs are not available. The GPS time stamping is also not available.

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. The information for the month May-2009 and June 2009 may be submitted in the meeting.

[Action MPPGCL / MPPTCL].

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

Details of Discom wise Power cuts and Regulatory measures during May and June 2009 are enclosed at Annexure 2.5.

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 DCCs may start furnishing the data at the end of each shift to SLDC.

(Action DISCOMS)

2.6 DISTRICTWISE / GROUPWISE LOADING OF FEEDERS

The Tradeco has submitted the details of districtwise/groupwise load of the year 2009-10 computed on the basis of information received from the power system system cell. The Tradeco has pointed out that the load computation should be done either by the power system or respective discoms. The data in CD has also been made available by SLDC to the Power System and DCCs vide letter no. 07-05/SG-9B/1023 dtd. 02.07.09 for study and finding out discrepancies if any. The analysis of districtwise / groupwise loads shall be computed by the respective Discoms.

The Committee may discuss.

2.7 RATIONALISATION OF WEEKLY OFFS

The committee constituted for rationalization of weekly offs has discussed the issue at SLDC on dtd. 23.06.2009. It was decided in the meeting that the committee shall meet at 09.30 hrs on the day of 15th OCC meeting to finalise the weekly offs in each discoms. The Discoms may prepare the plan for rationalization of weekly offs and submit the same to the committee on 15th July 2009.

(Action DISCOMs/PS/TRADECO)

ITEM NO. 3 : OPERATIONAL PLANNING

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

Details of Anticipated Demand and Source wise Availability for the period Jul-2009 to March 2010 are enclosed in Annexure-3.1.

The Discoms may furnish the monthwise anticipated restricted and unrestricted Demand for the period July-09 to March 2010. They are also requested to furnish the monthwise anticipated average hourly unrestricted demand for the period Jul'09 to March 2010.

(Action DISCOMs).

In the 13th OCC meeting it was brought to the notice of the DISCOMs that as per MPEGC clause 7.3.2, in order to prepare the short term Load forecast data by SLDC, the DISCOMs are

required to furnish the estimates of demand for the year ahead on month basis for the next financial year to SLDC by 15th November every year and that DISCOMS are also required to furnish daily demand on month ahead by 25th for the next month. SLDC is not receiving the daily demand on month ahead basis.

(Action DISCOMs).

3.2 Generating Units under Planned Outage and Proposed Maintenance Programme

The details of outage of generating units under Planned during April, May and June 2009 and proposed maintenance programme for July-09 to Mar-10 is given in Annexure-3.2.

As per requirement of WRPC, Mumbai, the ED (O&M : Gen), MPPGCL office was requested to submit the exception report of planned outage on monthly basis. The reports are not being received by SLDC. The MPPGCL may submit the same for the month of May 2009 and June 2009 on 15- July 2009.

The Committee may discuss and finalise the proposed maintenance programme.

3.3 Proposed shutdown Programme of Transmission Lines/X'mer

The proposed maintenance programme for the period July-09 to Sep09 is annexed at Annexure- 3.3.

The Committee may discuss and finalise the proposed Shutdown programme.

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.

SN	Line/Transformer/Breaker/ Reactor etc under long outage	Outage date	Reason	Expected date of restoration
1	63 MVAR Reactor Breaker at Satpura TPS	24.05.2009	Damage of all three limbs along with reactor tank	
2	400 KV Bkr Nagda-Rajgarh –II at 400 KV S/S Nagda	23.10.2008	Breaker faulty need repair	
3	160 MVA X'mer –I at 220 KV S/S Satna	10.02.2009	Due to Burning	End of Jul'09
4	160 MVA X'mer at 220 KV S/S Julwania	12.02.2009	Failure X'mer	25.07.09 (Commissioning of New X'mer)
5	Tie Breaker of 315 MVA, 400/220 KV X'mer –II at 400 KV Bina S/S	23.10.2008	Gas Leakage from PIR	Order placed for purchase of insulators of PIR

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

The committee may discuss.

3.5 Commissioning of New Generating units in MP

The status of Generating Units Commissioned / Expected to commissioned during current year 2009-10 according the available information is Nil.

The MPPGCL is requested to submit the date of commercial operation of 210 MW unit no.5 of Amarkantak Thermal Power Station.

[Action MPPGCL].

ITEM NO. 4 : OPERATIONAL STATISTICS FOR THE MONTH OF May & June 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 MAY & JUNE 2009

There was no significant system disturbance reported during the period May & June 2009.

ITEM NO. 6 : REVIEW OF SYSTEM OPERATION & MANAGEMENT

6.1 Progress of functioning of Discom Control Centre (DCC)

Balancing & Settlement Code has been notified by the MPERC on 01.06.2009. This Code shall come into force very shortly. Preparedness of the Discoms in respect of adequate manpower for the round the clock shift duty and readiness of necessary infrastructure for monitoring the drawal of the Discoms is to be ensured by the Discoms.

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

6.2 Implementation of Scheduled & Unscheduled load shedding by Discoms –

Presently load shedding is implemented by way of hand tripping of 33 KV feeders from EHV sub-stations as per instructions of SLDC. So far DCC of Central Discom is carrying out load shedding to control their drawal on round the clock basis w.e.f. 15th June 2009. The East DISCOM is carrying out the Load Shedding in B and C shift as per advice of SLDCabd since 06.07.09 have started load shedding during the period 18.00 hrs to 22.00 hrs. However West Discom has not started the shift duties in DCC. The required operational training has been given by SLDC to the engineers from East and West DISCOMs in the month of June 2009 .The East and West DISCOM are required to take the responsibility for implementation of scheduled & unscheduled load shedding as per their priorities to curtail the over drawal from the grid. The East and West DISCOM may start the round the clock operation of their control centers immediately.

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

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

Full fledged ABT monitoring Cells are required to be established at each Thermal Power Station for furnishing day ahead declared capacity of the complex, proper co-ordination with each unit of the complex in real time to maintain the DC of the complex. Functions of ABT cell and co-ordination with GCC are to be elaborated by MP Genco for effective economy and merit order generation. Adequate communication facilities are to be provided at each Hydel Power Station so that day ahead DC can be furnished to GCC as directed by SLDC vide D.O no 173 dated 10.06.09. **The MP Genco may furnish the details of action taken in this regard.**

(Action MPPGCL)

ITEM NO 7 : SCADA/EMS RELATED ISSUES :

7.1 Progress of Installation of new RTUs along with PLCC data links at EHV S/s :

A work group comprising of officers from ED(LD), ED (Planning) and ED(T&C) had finalized the requirement of new RTUs along with carrier communication equipments, express communication & modems required for data transmission, in July 2008. The Action for procurement of these RTUs has already been initiated by the planning section of MPPTCL. The implementation schedule for installation of 35 Nos. RTUs and PLCC equipments required for integration of these RTUs may be submitted by the MPPTCL, so that the same may be discussed by OCC.

(Action Planning, MPPTCL)

7.2 Maintenance of Telemetering equipments at EHV stations and Power Stations :

The RTUS installed & commissioned under ULDC project were under AMC contract issued under the project till 31-05-2009. In the meeting held between CE(T&C),

ED(EHT:C&M), ED(O&M:GEN), on 17-04-2006 it was decided that the maintenance of these equipments after expiry of warranty period/ AMC period, shall be carried out by the concerned departments authorised for taking over of the equipments, for which advance planning for AMC, Spare Management, fund etc. is to be carried out by them at their end. Accordingly, ED(T&C) vide UO No. 27 dated 15-04-2009 & ED(O&M :GEN) vide UO No. 28 dated 15-04-2009, were requested to initiate necessary action for AMC of these RTUS so that uninterrupted telemetry of these S/s may be ensured after 31-05-2009. However, no feedback in the matter has been received by SLDC. The maintenance strategy of the RTUs as may be prepared by the respective section of MPPTCL & MPPGCL may be submitted to the committee so that the same may be discussed in the meeting.

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

7.3 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 not made was forwarded to the ED(T&C) vide UO No. 40 dated 10-06-2009 & the ED(O&M:GEN) vide UO No. 39 dated 10-06-2009. The same is detailed in annexure-7.3(i) & 7.3(ii) respectively. The T&C, MPPTCL and O&M : Gen, MPPGCL may submit the action plan for the same for discussion in the meeting.

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

7.4 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. However, the information from Indore, Bhopal & Ujjain T&C circle is only received and information from Jabalpur, Satna, Sagar & Gwalior testing circles have not submitted any feedback despite constant persuasion by ED(T&C) office. The T&C section of MPPTCL may finalise the upgradation requirement of the existing RTUs. The matter shall be discussed in the meeting to work out the plan for upgradation strategy.

Action:- T&C & Planning

7.5 SHIFTING OF RTUS OF 132 KV DEWAS BNP TO 220KV BADOD S/S & 132 KV Banmore to 220 KV Rajgarh S/S

The ED (T&C), MPPTCL has directed for shifting of RTUs of 132 KV Dewas BNP to 220 KV Badod and 132 KV Banmore to 220 KV Rajgarh for availability of real time data required to

compute MP drawal. As per information gathered from the field testing officials, the RTUs have been taken out from the respective substations. The T&C section may give the commissioning schedule of the RTUs at new locations

Action:- T&C, MPPTCL

7.6 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. The necessary technical inputs have already been submitted to EHT and T&P section by SLDC. The Planning section may furnish the action plan for the shifting of OPGW for discussion in the meeting.

ACTION - PLANNING MPPTCL.

ITEM NO. 8 : VIOLATION OF GRID CODE :

The RABS Hydrel Power Station, Bargi, MPPGCL has availed shutdown on 132 KV Main Bus-I on 27.06.2009 without informing and obtaining consent from SLDC. This is clear violation of clause 6.1.3 and 6.1.4 of MPEGC. Earlier also on 21.04.2009 similar incidence of Grid code violation was reported at Tons Hydrel Power Station for which the power station incharge had submitted an apology. In the 14th OCC it was directed to the representatives of the respective companies to ensure that shutdown on any EHV substation/Line is availed with due approval of SLDC. The Grid code violation by Bargi HPS shall be discussed by the committee to take appropriate action.

Committee may discuss.

ITEM NO. 9 : Any other issue with the permission of the chair.

TEM NO. 10 : DATE AND VENUE OF next OCC MEETING

It is proposed to hold 16th meeting of Operation and Coordination committee of MP on 16th September 2009 at SLDC, MPPTCL, Jabalpur. However, if any constituent of the OCC is willing to host the meeting, the same shall be welcomed.

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FREQUENCY PARTICULARS

S. No.	Particulars	May-09		Jun-09	
1	INTEGRATED OVER AN-HOUR				
1.1	Maximum Frequency	50.62 Hz	Between 17.00 hrs & 18.00 Hrs on 24.05.09	50.25 Hz	Between 17.00 hrs & 18.00 Hrs on 07.06.09
1.2	Minimum Frequency	49.03 Hz	Between 14.00 hrs & 15.00 Hrs on 06.05.09	48.86 Hz	Between 14.00 hrs & 15.00 Hrs on 25.05.09
1.3	Average Frequency	49.68 Hz		49.51 Hz	
2	INSTANTANEOUS FREQUENCY				
2.1	Maximum Frequency	50.82 Hz	AT 17.50 HRS ON 24.05.09	50.59 Hz	AT 08.04 HRS ON 03.06.09
2.2	Minimum Frequency	48.78 Hz	AT 00.01 HRS ON 24.05.09	48.69 Hz	AT 14.43 HRS ON 25.06.09

3 Percentage of time when frequency was :-

		May-09	Jun-09
3.1	Below 48.5 Hz	0.00	0
3.2	Between 48.50 Hz and 48.8 Hz	0.01	0.3
3.3	Between 48.80 Hz and 49.2 Hz	6.44	18.89
3.4	Between 49.20 Hz and 49.5 Hz	23.16	29.77
3.5	Between 49.50 Hz and 49.8 Hz	33.86	28.85
3.6	Between 49.80 Hz and 50.2 Hz	30.90	20.54
3.7	Between 50.20 Hz and 50.3 Hz	3.29	1.12
3.8	Between 50.30 Hz and 51.0 Hz	2.34	0.52
3.9	Above 51.0 Hz	0.00	0
4.1	No. of times frequency touched 48.80 Hz	36	1144
4.2	No. of times frequency touched 48.60 Hz	0	0
4.3	No. of times frequency touched 51.0 Hz	0	0

**Instances of significant violation of IEGC
by MP (if any : for May'09 & June 2009)**

Date	Time	Freq. (HZ)	Schedule (MW)	Drawal (MW)	Frequency Improved to	Action Taken
NIL						

STATUS OF COMPLETION OF ON GOING SCHEMES OF COMMISSINING OF LINES/X'MERS			
Sr. No	NAME OF LINES/X'MER	TARGET COMPLETION DATE	REMARK
1	220KV VIDISHA (160MVA)	220KV X'MER MAY BE CMMISSIONED WITHIN TWO MONTHS F DELIVERY ON PLINTH	
2	220KV BADNAGAR (+160MVA)X'MER MOVED FROM NAINI	30.06.09	
3	220KV BADNAGAR (+100MVA)X'MER RECEIVED ON PLINTH	15.06.09	
4	220 KV PIPARIYA (160MVA+40MVA)	25.06.09	
5	200 KV CHHINDWARA (160MVA+40MVA)	COMMISSIONING ON 15.06.09	
6	220KV BAIRAGARH (+160MVA)	20.05.09	
7	220KV NAGDA (+160MVA)	31.05.09	
8	220KV NAGDA (+100MVA)	20.05.09	
9	220KV SUTH-ZONE INDORE(+160MVA) X'MER EXPECTED BY 15.05.09	30.06.09	
10	200 KV MEHGOAN (160MVA)	TO BE DECIDED BASED ON X'MER DELIVERY	
11	220KV BHOPAL-CHAMBAL (+100MVA)	15.10.09	
12	COMMISSINING OF NEW 220 KV 160 MVA 'AREVA' X'MER AT 220KV SATNA	30.06.09	
13	COMMISSINING OF NEW 220 KV 160 MVA 'AREVA' X'MER AT 220KV JULWANIA	30.06.09	
14	400KV INDORE(+315MVA) X'MER DELIVERY IN JAN-2010	COMMISSIONING BY 31.03.10	

STATUS OF COMPLETION OF ON GOING SCHEMES OF COMMISSINING OF LINES/X'MERS			
Sr. No	NAME OF LINES/X'MER	TARGET COMPLETION DATE	REMARK
15	220KV INDORE II (+63MVA)	31.05.09	
16	220KV SHIVPURI (+40MVA)	31.07.09	
17	220KV TIKAMGARH (+40MVA)	15.06.09	
18	220KV JABALPUR-NARSINGPUR (LINE OF TURNKEY BASIS)	31.07.09	
19	220 KV Shujalpur-Rajgarh (B) line on turn key basis	15.06.09 30.06.09	
20	220KV BHOPAL-ASHTA (LINE OF TURNKEY BASIS)	10.06.09	
21	LILO F 220KV SATPURA -ITARSI AT HANDIYA(LINE F TURNKEY BASIS)	30.06.09	
22	220KV CHHEGOAN-NIMRANI (LINE OF TURNKEY BASIS)	31.08.09	
23	LILO F 220KV BIRSINGPUR -AMARKANTAK AT SUKHA PGCIL	31.10.09	
24	220KV DEWAS-ASHTA	30.06.09	
25	LILO F 220KV UJJAIN- INDORE FOR INDORE II	31.08.09	
26	220KV MAHESHWAR-NIMRANI	31.10.09	
27	220KV MAHESHWAR-PITHAMPUR	31.01.10	
28	220KV SATNA CHHATARPUR	Dec-09	

STATUS OF COMPLETION OF ON GOING SCHEMES OF COMMISSINING OF LINES/X'MERS			
Sr. No	NAME OF LINES/X'MER	TARGET COMPLETION DATE	REMARK
29	220KV SEONI(400 KV PGCIL) - CHHINDWARA	COMPLETED	
30	LILO OF 1st CKTs OF 220KV DCDS GWALIOR -MALANPURFOR 400KV S/S GWALIOR(PGCIL)	15.06.09	
31	LILO OF 1st CKTs OF 220KV JABALPUR-ITARSI FOR 220KV S/S PIPARIYA	COMPLETED	
32	220KV JABALPUR(400 KV PGCIL SUKHA)-NARSINGPUR	Jul-09	
33	LILO 2nd CKT OF 220KV DAMOH-BINA	COMPLETED	
34	Rerouting of 220 kv Makronia traction feeder through 220kv sagar	15.06.09	
35	LILO OF ONE CKT OF 220KV AMARKANTAK -BIRSINGPUR DCDS LINE AT 400KV S/S SUKHA	Oct-09	
36	220KV SHUJALPUR -RAJGARH BIAORA NEW S/S	10.06.09	
37	220KV INTER CONNECTOR BETWEEN SHUJALPUR 220KV & PGCIL 400KV SHUJALPUR		WORK INCLUDED IN ESTIMATE OF SHUJALPUR-RAJGARH LINE
38	LILO OF 1st CKT OF 220KV BHOPAL -BINA FOR VIDISHA NEW S/S	Jun-09	
39	220KV BHOPAL (400KV) -ASHTA LINE FOR ASHTA SUBSTATION	15.07.09	
40	SECOND CKT STRINGING OF 220KV SARNI PANDHURNA SECTION		IN VIEW OF SHIFTING OF 220KV S/S AT SARNI DUE TO ASH DAM THIS WORK HAS NOT BEEN TAKEN UP
41	220KV CHHINDWARA -BETUL LINE	15.10.09	
42	LILO OF ONE CKT OF 220KV SATPURA (SARNI)-ITARSI FOR 200KV HANDIA	Jun-09	

STATUS OF COMPLETION OF ON GOING SCHEMES OF COMMISSINING OF LINES/X'MERS			
Sr. No	NAME OF LINES/X'MER	TARGET COMPLETION DATE	REMARK
43	LILO OF 2ND CKT OF 220KV ITARSI-BHOPAL LINE FOR HOSHANGABAD NEW S/S	May-09	
44	LILO OF ONE CKT OF 220KV BURWAHA - KHANDWA LINE FOR CHHEGAON SUBSTATION	Sep-09	
45	LILO OF ONE CKT OF 220KV BURWAHA - NEPANAGAR LINE FOR CHHEGAON SUBSTATION	Sep-09	
46	220 KV CHHEGOAN -NIMRANI IN LINE	Jun-09	
47	LILO OF ONE CKT OF 220KV INDORE-UJJAIN LINE FOR 200 KV INDORE -II S/S	Jun-09	
48	LILO OF CKT II OF 220KV PITHAMPUR-RATLAM FOR 220KV BADNAGAR	Jul-09	
49	220KV ASTHA (220KV S/S) -BERCHHA LINE (TO BE CHARGED ON 132 KV)	Aug-09	
50	DEWAS-ASHTA	Aug-09	
51	220KV MEHESHWAR -PITHAMPUR	Jan-10	
52	220KV MEHESHWAR -NIMRANI	Oct-09	
51	220 KV CHHATARPUR	Dec-09	THE CONSTRUCTIN ACTIVITES IN S/S WAS STOPPED KEEPING IN VIEW THE PROGRESS OF LINE . CONTRACTOR REQUESTED TO RECOMMENCE THE WORK
52	220KV SIDHI	25.05.09	160 MVA BHEL MAKE X'MER CHARGED ON 14.06.09
53	400 KV KATNI	Aug-09	WORK IN PROGRESS
54	220KV ASTHA	15.07.09	PROGRESS IS SLOW DUE TO INSUFFICIENT GANGS DEPLOYED BY CONTRACTOR
55	220KV RAJGARH	10.06.09	
56	220KV BETUL	15.10.09	
57	220KV CHHEGOAN MAKHAN	Sep-09	WORK IN PROGRESS

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

Month : May-2009					Month : June 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	0	0.0	0	0.0
2	0	0.0	0	0.0	0	0.0	0	0.0
3	0	0.0	0	0.0	0	0.0	0	0.0
4	1	14.8	0	0.0	0	0.0	0	0.0
5	0	0.0	0	0.0	0	0.0	0	0.0
6	2	18.3	0	0.0	0	0.0	0	0.0
7	0	0.0	0	0.0	0	0.0	0	0.0
8	0	0.0	0	0.0	0	0.0	0	0.0
9	3	179.9	0	0.0	0	0.0	0	0.0
10	0	0.0	0	0.0	2	39.2	0	0.0
11	0	0.0	0	0.0	0	0.0	0	0.0
12	0	0.0	0	0.0	0	0.0	0	0.0
13	2	66.8	0	0.0	1	5.7	0	0.0
14	1	23.0	0	0.0	1	20.0	0	0.0
15	0	0.0	0	0.0	0	0.0	0	0.0
16	0	0.0	0	0.0	0	0.0	0	0.0
17	0	0.0	0	0.0	13	91.3	0	0.0
18	1	14.5	0	0.0	5	41.9	0	0.0
19	0	0.0	0	0.0	7	83.2	0	0.0
20	0	0.0	0	0.0	5	89.1	0	0.0
21	0	0.0	0	0.0	0	0.0	0	0.0
22	0	0.0	0	0.0	0	0.0	0	0.0
23	0	0.0	0	0.0	0	0.0	0	0.0
24	0	0.0	0	0.0	16	80.1	0	0.0
25	0	0.0	0	0.0	9	30.0	0	0.0
26	0	0.0	0	0.0	8	102.6	0	0.0
27	2	15.6	0	0.0	8	84.6	0	0.0
28	0	0.0	0	0.0	0	0.0	0	0.0
29	0	0.0	0	0.0	2	24.0	0	0.0
30	0	0.0	0	0.0	0	0.0	0	0.0
31	0	0.0	0	0.0				
Max	3	180	0	0.00	16	102.60	0	0.00
Total	12				77			

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

Discoms wise Average Supply Hours

PARTICULARS	East Zone		Central Zone		West Zone		MP	
	May-09	Jun-09	May-09	Jun-09	May-09	Jun-09	May-09	Jun-09
Commissinary HQ	24:00:00	22:20	24:00:00	23:02	23:19	22:10	23:51	22:35
District HQ	22:01	19:27	22:19	19:58	22:02	19:29	22:02	19:30
Tehsil HQ	16:01	12:14	16:26	13:07	16:06	12:40	16:11	12:38
Rural -3Phase	6:04	4:43	6:02	5:09	6:14	4:43	7:05	4:52
Rural -1Phase	7:02	4:47	7:06	4:55	7:08	5:05	6:05	4:55
Total Rural	13:06	9:30	13:08	10:04	13:22	9:48	13:10	9:47

Anticipated Average Availability at MP Periphery: 2009-10

Figures in MW

Particulars	Jul-09					Aug-09					Sep-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-2)	1720	1720	1720	1720	1280	1380	1380	1380	1380	1027	1710	1710	1710	1710	1231
Hydel	290	295	130	480	222	310	320	170	570	255	390	320	220	520	261
CSS	1450	1450	1450	1450	1079	1450	1450	1450	1450	1079	1500	1500	1500	1500	1080
ISP	100	0	0	400	93	375	475	475	675	372	340	240	240	420	223
SSP	200	100	100	300	130	600	500	500	620	413	430	430	430	510	324
Omkareshwar	50	50	50	200	65	200	250	250	250	177	150	150	100	150	99
DVC	170	170	170	170	126	170	170	170	170	126	170	170	170	170	122
Total	3980	3785	3620	4720	2996	4485	4545	4395	5115	3448	4690	4520	4370	4980	3341
Avg Unres. Demand	3800	3500	3300	4400		3900	3600	3400	4500		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-2)	1860	1860	1860	1860	1384	2020	2020	2020	2020	1454	2040	2040	2040	2040	1518
Hydel	480	400	340	480	316	530	530	430	520	362	370	410	280	430	277
CSS	1560	1560	1560	1560	1161	1610	1610	1610	1610	1159	1580	1580	1580	1580	1176
ISP	250	250	125	875	279	375	250	250	875	315	360	240	240	860	316
SSP	160	160	240	540	205	210	220	250	460	205	220	180	180	460	193
Omkareshwar	150	100	50	300	112	150	100	100	350	126	150	100	100	350	130
DVC	170	170	170	170	126	170	170	170	170	122	170	170	170	170	126
Total	4630	4500	4345	5785	3582	5065	4900	4830	6005	3744	4890	4720	4590	5890	3737
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-2)	2040	2040	2040	2040	1518	2040	2040	2040	2040	1371	2040	2040	2040	2040	1518
Hydel	350	450	270	400	273	230	350	190	400	197	330	220	120	450	208
CSS	1575	1575	1575	1575	1172	1500	1500	1500	1500	1008	1530	1530	1530	1530	1138
ISP	220	110	110	660	205	220	110	110	660	185	220	110	100	660	203
SSP	220	220	250	390	201	30	30	30	350	74	30	30	20	340	78
Omkareshwar	100	50	50	300	93	100	50	50	300	84	100	50	50	300	93
DVC	170	170	170	170	126	170	170	170	170	114	170	170	170	170	126
Total	4675	4615	4465	5535	3588	4290	4250	4090	5420	3032	4420	4150	4030	5490	3365
Avg Unres. Demand	6600	6500	6200	7100		6000	5900	5600	6600		5400	5200	5000	6000	

TENTATIVE MAINTENANCE PROGRAMME OF MPPGCL THERMAL UNITS FOR THE YEAR 2009-2010 R-03																								9/Jul/2009						
STATION	UNIT No.	AOH START	AOH COMP	APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		JAN		FEB		MAR		No of Days	REMARKS	
AM-II	3	15-Jul-09	30-Nov																									138	C.O.H.	R&M
AM-II	4	1-Dec-09	15-Jun																									196	C.O.H.	R&M
AMK EXT	5																													
STP-I	1	3-Jun-09	5-Jul																									32	A.O.H.	
STP-I	2	23-Aug-09	16-Sep																									24	A.O.H.	
STP-I	3	5-Jul-09	29-Jul																									25	A.O.H.	
STP-I	4	30-Jul-09	23-Aug																									25	A.O.H.	
STP-I	5	16-Sep-09	10-Oct																									25	A.O.H.	
STP-II	6	1-May-09	11-Jun																									41	C.O.H.	Gen.X'mer & TG Works
STP-II	7	5-Sep-09	30-Sep																									25	A.O.H.	
STP-III	8	15-Jun-09	11-Jul																									27	A.O.H.	
STP-III	9	25-Jun-09	23-Jul																									28	A.O.H.	
SGTPS - I	1	15-Sep-09	30-Oct																									45	C.O.H.	HP ROTOR & HPH REPLACE
SGTPS - I	2	1-Aug-09	15-Sep																									45	A.O.H.	HPH REPLACE
SGTPS - II	3	27-Jun-09	25-Jul																									29	A.O.H.	
SGTPS - II	4	10-Jul-09	9-Aug																									30	A.O.H.	
SGTPS EXT	5	1-Aug-09	25-Aug																									25	A.O.H.	
Capacity under Planned Maintenance				0	0	200	200	242	413	763	673	1033	726	533	623	412	330	120	120	120	120	120	120	120	120	120	120			
PLANNED MAINTENANCE %				0	0	9	9	11	18	34	30	45	32	23	27	18	15	5	5	0	5	5	5	5	5	5	4			
AVAILABLE CAPACITY ON BARS AFTER PLANNED MAINTENANCE				2773	2773	2573	2573	2531	2360	2010	2100	1740	2047	2240	2149	2361	2443	2653	2653	2653	2653	2653	2653	2653	2653	2653	2653			
THERMAL AVAILABILITY AFTER CONSIDERING FORCED & PARTIAL OUTAGES IN MW INCLUDING AUX. CONSUMPTION				2079	1737	1461	1730	1623	1896	2066	2245	2263	2263	2263	2263	2263	2263	2263	2263	2263	2263	2263	2263	2263	2263	2263	2263			
THERMAL AVAILABILITY AFTER CONSIDERING FORCED & PARTIAL OUTAGES IN MU INCLUDING AUX. CONSUMPTION				1497	1292	1052	1287	1208	1365	1537	1616	1684	1684	1684	1575	1684	1684	1575	1684	1684	1575	1684	1684	1575	1684	1684	1575			

A.O.H

C.O.H

SHUT DOWN DETAILS OF 400 KV SUB STATION FOR THE PERIOD 15.07.09 TO 15.09.09						
Sr. No	NAME OF LINES / ICT's	Outage Programme			REASON	NAME OF SUBSTATION
		DATE	TIME			
			From	To		
1	315 MVA X'MER NO I	10.09.09	9.00	17.00	For Maintenance work	400 KV S/S BINA
2	315 MVA X'MER NO I	11.09.09	9.00	17.00	For Maintenance work	400 KV S/S BINA
3	315 MVA X'MER NO I	12.09.09	9.00	17.00	For Maintenance work	400 KV S/S BINA
4	400 KV BUS-I	01.09.09	9.00	17.00	For Maintenance work	400 KV S/S BHOPAL
5	400 KV BUS-II	03.09.09	9.00	17.00	For Maintenance work	400 KV S/S BHOPAL
6	220KV TRANSFER BAY & 220KV AUX.BUS	04.09.09	9.00	17.00	For Maintenance work	400 KV S/S BHOPAL
7	220 KV BAIRAGARH I	05.09.09	9.00	17.00	For Maintenance work	400 KV S/S BHOPAL
8	315 MVA X'MER NO I	08.09.09	9.00	17.00	For Maintenance work	400 KV S/S BHOPAL
9	315 MVA X'MER NO I 220 KV SIDE	09.09.09	9.00	17.00	For Maintenance work	400 KV S/S BHOPAL
10	220 KV BHOPAL -I	10.09.09	9.00	17.00	For Maintenance work	400 KV S/S INDORE
11	220 KV BHOPAL -II	11.09.09	9.00	17.00	For Maintenance work	400 KV S/S INDORE
12	315 MVA X'MER NO II	15.09.09	9.00	17.00	For Maintenance work	400 KV S/S INDORE
13	3X105 MVA X'MER I	07.09.09	7.00	17.00	For Maintenance work	400 KV S/S INDORE
14	3X105 MVA X'MER I	08.09.09	7.00	17.00	For Maintenance work	400 KV S/S INDORE
15	3X105 MVA X'MER I	09.09.09	7.00	17.00	For Maintenance work	400 KV S/S INDORE
16	315 MVA X'MER NO III	10.09.09	7.00	17.00	For Maintenance work	400 KV S/S INDORE
17	315 MVA X'MER NO III	11.09.09	7.00	17.00	For Maintenance work	400 KV S/S INDORE
18	3X105 MVA X'MER II	14.09.09	7.00	17.00	For Maintenance work	400 KV S/S INDORE
19	3X105 MVA X'MER II	15.09.09	7.00	17.00	For Maintenance work	400 KV S/S INDORE
20	3X105 MVA X'MER II	16.09.09	7.00	17.00	For Maintenance work	400 KV S/S INDORE
21	400 KV NAGDA -ISP	31.07.09	8.00	17.00	For Maintenance work	400 KV S/S NAGDA
22	400 KV NAGDA -RAJGARH-I	22.08.09	8.00	17.00	For Maintenance work	400 KV S/S NAGDA
23	315 MVA X'MER NO I	01.09.09	8.00	17.00	For Maintenance work	400 KV S/S NAGDA
24	315 MVA X'MER NO II	10.09.09	8.00	17.00	For Maintenance work	400 KV S/S NAGDA
25	315 MVA X'MER NO III	09.09.09	8.00	17.00	For Maintenance work	400 KV S/S NAGDA

Unitwise / Stationwise Generation in MU				
A. Thermal				
Stn. Name	UNIT No.	Capacity MW	May '09	June'09
AMARKANTAK	3	120	47.129	35.13
	4	120	43.304	44.86
	PH II	240	90.433	79.99
	PH III	210	73.609	60.94
	TOT	450	164.042	140.92
SATPURA	1	62.5	28.331	2.03
	2	62.5	31.717	24.87
	3	62.5	32.971	25.92
	4	62.5	30.824	22.15
	5	62.5	32	18.12
	PH I	312.5	155.843	93.10
	6	200	0	43.69
	7	210	107.01	70.02
	PH II	410	107.01	113.71
	8	210	108.915	40.29
	9	210	110.365	61.58
	PH III	420	219.28	101.87
TOT	1142.5	482.133	308.67	
SANJAY GANDHI	1	210	89.46	79.30
	2	210	89.68	64.98
	PH I	420	179.14	144.28
	3	210	101.235	81.16
	4	210	107.911	99.86
	PH II	420	209.146	181.01
	PH III	500	257.52	276.82
	TOT	1340	645.806	602.12
MPPGCL THERMAL		2932.5	1291.981	1051.71
AMARKANTAK POWER HOUSE-I RETIRED FROM SERVICE WEF 01.04.2009				
B. Hydel				
Station Name	Capacity MW	May '09	June'09	
GANDHISAGAR	115.0	7.93	5.39	
R.P.SAGAR	172.0	1.26	1.08	
J.SAGAR	99.0	1.43	0.79	
CHAMBAL	386.0	10.62	7.26	
M.P.CHAMBAL	193.0	5.31	3.63	
PENCH	160.0	5.76	10.28	
M.P.PENCH	107.0	3.84	6.86	
BARGI	90.0	36.42	14.40	
TONS	315.0	100.90	89.32	
BIRSINGHPUR	20.0	0.02	0.08	
B.SGR(DEOLONDH)	60.0	0.00	0.00	
B.SGR(SILPARA)	30.0	10.30	33.36	
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	0.00	
TOTAL HYDEL	1186.0	164.01	154.70	
M.P.P.GCL Hydel	915.0	161.32	152.82	
MPSEB HYDEL	917.5	156.78	147.64	
MPSEB TOTAL	917.5	1386.42	1162.11	
B. NHDC				
Indira Sagar Hydel Project	1000	81.76	85.59	
Omkareshwar Hydel Project	520	43.18	46.11	

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

S.No.	Particulars	May-09	Jun-09
1	MPSEB Thermal Availability	1098.18	904.49
2	MPSEB Hydel Availability	153.60	120.53
3	Indira Sagar	81.71	85.43
4	Omkareshwar	43.18	46.11
5	Schedule / Drawal From Central Sector	1251.44	1195.12
6	Schedule of DVC	25.56	12.67
7	Schedule og Rhand+Matatila	9.16	3.55
8	Sardar Sarovar	52.57	68.00
9	Additional Power Purchase	0.00	0.00
10	Sale of Power	-6.65	0.00
11	Banking of Power	-53.36	-21.00
12	Energy Exchange	0.00	0.00
13	Unschedule Interchange	20.92	47.81
14	Excess Drawal From Chambal-Satpura	54.13	30.84
15	Excess Drawal From Rajghat	-0.01	-0.01
16	Other Imp / Exp	42.45	39.09
17	Total MPSEB Supply excl. Aux. Cons.	2772.87	2532.64
18	Average Supply per Day	89.45	84.42
19	Maximum Daily M.P. Supply	92.498	86.47414
20	Minimum Daily M.P. Supply	80.342	72.53342
21	Registered Demand : MW	4899	4501
22	Morning Peak : MW	4254	4042
23	Eveninig Peak : MW	4582	4501
24	Unrestricted Demand : MW	5931	5830

Hourly Average Own Generation, Schedule Drawal , Actual Drawal & Demand
Month :- May 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	49.66	1723	1551	212	215	91	36	2104	1601	33	41	9	44	0	0	0	-36	12	1705	3809	1731	26	-23	3835	0	457	457	4340	4340		
2:00	49.83	1734	1560	194	189	89	35	2068	1606	33	15	9	44	0	0	0	-35	12	1684	3752	1733	49	-23	3801	0	441	441	4267	4267		
3:00	49.89	1739	1566	192	174	89	35	2055	1609	33	15	9	44	0	0	0	-35	12	1687	3742	1741	54	-23	3797	2	383	385	4195	4197		
4:00	49.88	1741	1567	178	140	81	35	2001	1611	33	15	9	45	0	0	0	-35	12	1691	3691	1814	123	-23	3815	7	307	313	4138	4145		
5:00	49.66	1743	1569	176	53	75	34	1908	1612	33	15	9	46	0	0	0	-34	12	1693	3600	1702	9	-23	3610	5	456	460	4114	4119		
6:00	49.94	1754	1579	175	22	65	35	1877	1613	33	15	9	46	0	0	0	-35	12	1693	3569	1554	-138	-23	3432	1	544	545	3985	3985		
7:00	49.96	1749	1574	146	6	57	37	1819	1604	32	7	9	-3	-5	0	0	-37	12	1619	3438	1628	9	-23	3448	432	0	432	3454	3885		
8:00	49.99	1740	1566	132	9	57	41	1806	1604	32	7	9	-2	-33	0	0	-41	12	1587	3393	1629	42	-23	3435	566	0	566	3437	4003		
9:00	49.81	1728	1555	142	9	57	44	1807	1599	32	7	9	-12	-33	0	0	-44	12	1570	3378	1490	-80	-23	3298	716	0	716	3324	4041		
10:00	49.72	1722	1549	163	13	44	46	1814	1592	33	7	9	-242	-14	0	0	-46	12	1352	3166	1397	45	-23	3213	802	0	802	3253	4055		
11:00	49.62	1710	1539	170	16	44	46	1814	1590	33	7	9	-242	-14	0	0	-46	12	1349	3163	1327	-22	-23	3142	735	0	735	3196	3931		
12:00	49.69	1715	1544	180	16	44	46	1829	1587	33	7	9	-241	-17	0	0	-46	12	1344	3173	1265	-80	-23	3094	907	0	907	3138	4044		
13:00	49.76	1717	1545	194	16	42	47	1844	1583	33	15	9	-241	-17	0	0	-47	12	1347	3191	1316	-31	-23	3160	909	0	909	3194	4103		
14:00	49.56	1707	1536	201	22	42	47	1848	1580	33	15	9	-240	-15	0	0	-47	12	1347	3195	1276	-71	-23	3124	860	0	860	3187	4046		
15:00	49.51	1709	1538	230	22	42	46	1878	1581	33	15	9	-237	-19	0	0	-46	12	1348	3226	1353	5	-23	3231	856	0	856	3301	4157		
16:00	49.67	1699	1529	245	25	44	45	1888	1584	33	15	9	-237	-19	0	0	-45	12	1352	3240	1350	-1	-23	3239	819	0	819	3285	4104		
17:00	49.83	1701	1531	241	28	42	43	1886	1586	33	15	9	-238	-13	0	0	-43	12	1360	3246	1297	-63	-23	3183	733	0	733	3207	3940		
18:00	50.05	1715	1543	228	164	50	41	2027	1590	33	7	9	-86	-13	0	0	-41	12	1512	3539	1585	73	-23	3612	398	0	398	3606	4004		
19:00	49.81	1730	1557	289	268	55	41	2211	1612	33	134	9	-23	0	0	0	-41	12	1736	3947	1867	131	-23	4078	917	0	917	4105	5022		
20:00	49.71	1733	1560	303	275	59	39	2235	1610	33	282	9	-22	0	0	0	-39	12	1884	4119	1937	53	-23	4172	1231	0	1231	4213	5444		
21:00	49.69	1734	1561	297	271	64	38	2230	1613	33	291	9	-23	0	0	0	-38	12	1897	4127	1959	62	-23	4189	1157	0	1157	4234	5391		
22:00	49.69	1732	1558	268	259	67	37	2189	1614	33	294	9	-23	0	0	0	-37	12	1900	4090	1986	86	-23	4176	1028	0	1028	4220	5248		
23:00	49.57	1710	1539	252	250	69	35	2145	1614	33	258	9	1	0	0	0	-35	12	1891	4035	1896	5	-23	4041	1035	0	1035	4102	5137		
24:00	49.66	1719	1548	236	240	84	35	2142	1603	33	168	9	45	0	0	0	-35	12	1835	3977	1779	-55	-23	3922	969	0	969	3969	4938		
Avg.	49.76	1725	1553	210	112	60	40	1976	1600	33	69	9	-75	-9	0	0	-40	12	1588	3575	1609	10	-23	3585	628	108	736	3728	4356		
00 TO 06 HRS.	49.81	1739	1565	188	132	82	35	2002	1609	33	19	9	45	0	0	0	-35	12	1692	3694	1713	20	-23	3715	2	431	434	4173	4175		
06 TO 12 HRS.	49.80	1727	1554	155	11	50	43	1815	1596	32	7	9	-124	-19	0	0	-43	12	1470	3285	1456	-14	-23	3272	693	0	693	3300	3993		
12 TO 18 HRS.	49.73	1708	1537	223	46	44	45	1895	1584	33	14	9	-213	-16	0	0	-45	12	1377	3273	1363	-15	-23	3258	762	0	762	3297	4059		
06 TO 18 HRS.	49.76	1718	1546	189	29	47	44	1855	1590	33	10	9	-168	-18	0	0	-44	12	1424	3279	1409	-15	-23	3265	728	0	728	3298	4026		
18 TO 24 HRS.	49.69	1726	1554	274	260	66	38	2192	1611	33	238	9	-7	0	0	0	-38	12	1857	4049	1904	47	-23	4096	1056	0	1056	4141	5197		

Hourly Average Own Generation, Schedule Drawal , Actual Drawal & Demand
Month :- June 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	STOA	Rihand+ Mata	Total	SCH	UNSCH						TOTAL				
1:00	49.50	1455	1310	171	247	95	42	1864	1560	14	111	9	99	0	0	3	-42	5	1759	3623	1741	-18	0	3605	0	790	790	4464	4464		
2:00	49.64	1467	1321	159	253	88	42	1862	1558	14	42	9	99	0	0	3	-42	5	1688	3550	1698	11	0	3561	0	762	762	4374	4374		
3:00	49.65	1459	1313	150	247	88	37	1835	1559	14	6	9	99	0	0	3	-37	5	1657	3492	1682	25	0	3517	0	758	758	4323	4323		
4:00	49.71	1452	1307	144	208	79	38	1776	1560	14	6	9	99	0	0	3	-38	5	1657	3433	1757	100	0	3533	4	616	620	4189	4194		
5:00	49.51	1450	1305	144	124	74	38	1685	1563	14	6	9	99	0	0	3	-38	5	1660	3345	1733	72	0	3417	4	711	715	4197	4201		
6:00	49.73	1456	1310	143	76	66	38	1634	1568	14	6	9	99	0	0	3	-38	5	1664	3298	1635	-29	0	3269	1	708	708	4016	4016		
7:00	49.66	1473	1326	138	29	57	36	1586	1535	14	0	9	49	0	0	0	-36	5	1576	3163	1721	145	0	3307	761	0	761	3355	4116		
8:00	49.83	1473	1326	134	16	54	40	1570	1539	14	8	9	47	0	0	0	-40	5	1582	3152	1684	102	0	3254	909	0	909	3278	4187		
9:00	49.66	1474	1326	133	19	52	39	1569	1548	14	8	9	47	0	0	0	-39	5	1593	3161	1609	17	0	3178	955	0	955	3226	4181		
10:00	49.63	1470	1323	137	23	47	42	1571	1565	15	8	9	-204	0	0	0	-42	5	1356	2928	1400	44	0	2972	1104	0	1104	3024	4128		
11:00	49.59	1456	1310	133	32	45	43	1563	1562	17	8	9	-203	0	0	0	-43	5	1354	2917	1362	8	0	2925	1154	0	1154	2983	4138		
12:00	49.51	1461	1315	148	32	45	48	1588	1552	18	21	9	-203	0	0	0	-48	5	1354	2941	1431	77	0	3018	1157	0	1157	3087	4244		
13:00	49.63	1459	1313	164	36	47	51	1610	1553	18	33	9	-204	0	0	0	-51	5	1363	2973	1444	81	0	3054	1199	0	1199	3106	4304		
14:00	49.48	1437	1293	164	39	48	52	1597	1556	18	33	9	-202	0	0	0	-52	5	1366	2962	1423	57	0	3020	1144	0	1144	3093	4238		
15:00	49.40	1434	1290	169	42	48	51	1601	1556	18	36	9	-201	0	0	0	-51	5	1371	2972	1449	78	0	3050	1194	0	1194	3134	4328		
16:00	49.60	1439	1295	174	45	52	52	1618	1555	18	39	9	-201	0	0	0	-52	5	1373	2990	1426	54	0	3044	1231	0	1231	3101	4332		
17:00	49.74	1442	1297	172	49	52	50	1620	1557	18	37	9	-201	0	0	0	-50	5	1374	2994	1433	60	0	3053	1087	0	1087	3089	4176		
18:00	49.92	1442	1298	180	163	59	52	1752	1559	17	25	9	-81	0	0	0	-52	5	1481	3232	1726	246	0	3478	715	0	715	3489	4204		
19:00	49.84	1457	1311	231	195	77	50	1865	1551	15	167	9	5	0	0	0	-50	5	1700	3566	1952	252	0	3818	1202	0	1202	3841	5042		
20:00	49.45	1481	1333	239	202	90	54	1918	1553	14	308	9	5	0	0	0	-54	5	1840	3757	1956	117	0	3874	1459	0	1459	3951	5410		
21:00	49.50	1487	1338	230	205	91	53	1918	1553	14	311	9	5	0	0	0	-53	5	1843	3761	1879	35	0	3797	1466	0	1466	3868	5334		
22:00	49.43	1488	1339	220	218	91	50	1918	1554	14	311	9	4	0	0	0	-50	5	1847	3765	1923	76	0	3841	1366	0	1366	3921	5287		
23:00	49.44	1461	1315	205	221	97	49	1888	1565	14	311	9	16	0	0	0	-49	5	1870	3758	1863	-7	0	3751	1273	0	1273	3830	5102		
24:00	49.47	1460	1314	194	221	90	44	1863	1565	14	227	9	63	0	0	0	-44	5	1839	3701	1822	-17	0	3685	1229	0	1229	3759	4988		
Avg.	49.61	1460	1314	170	123	68	46	1720	1556	15	86	9	-36	0	0	1	-46	5	1586	3310	1656	66	0	3376	859	181	1040	3612	4471		
00 TO 06 HRS.	49.62	1456	1311	152	192	82	39	1776	1561	14	29	9	99	0	0	3	-39	5	1681	3457	1708	27	0	3484	2	724	726	4261	4262		
06 TO 12 HRS.	49.65	1468	1321	137	25	50	41	1575	1550	15	9	9	-78	0	0	0	-41	5	1469	3044	1534	65	0	3109	1007	0	1007	3159	4166		
12 TO 18 HRS.	49.63	1442	1298	170	62	51	51	1633	1556	18	34	9	-182	0	0	0	-51	5	1388	3021	1484	96	0	3116	1095	0	1095	3169	4264		
06 TO 18 HRS.	49.64	1455	1309	154	44	51	46	1604	1553	17	21	9	-130	0	0	0	-46	5	1428	3032	1509	81	0	3113	1051	0	1051	3164	4215		
18 TO 24 HRS.	49.52	1472	1325	220	211	89	50	1895	1557	14	272	9	16	0	0	0	-50	5	1823	3718	1899	76	0	3794	1332	0	1332	3862	5194		

Reservoir Level of Hydel Power Stations

Sr. No.	Name of Hydel Power Station	Last day of May'09	Last Day of June'09	MDDL
1	Gandhi Sagar	1251.55 ft	1249.31 ft	1250 ft
2	Pench	467.31 Mtr	464.9 Mtr	464 Mtr
3	Bargi	406.75 Mtr	404.35 Mtr	403.5 Mtr
4	Birsingpur	475.19 Mtr	474.77 Mtr	471 Mtr
5	Bansagar	325.55 Mtr	324.1 Mtr	323 Mtr
6	Rajghat	356.6 Mtr	355.95 Mtr	361.5 Mtr
7	Indira Sagar	245.72 Mtr	244.05 Mtr	243.23 Mtr
8	Omrakershwar	189.53 Mtr	189.21 Mtr	193.3 Mtr
9	Sardar Sarovar	114.9 Mtr	113.7 Mtr	110.64 Mtr

TENTATIVE UNITWISE GENERATION TARGETS IN MUs YEAR 2009-10 R- 03												
POWER STATION	ACTUAL			ANTICIPATED								
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
AMK #3	49	47	35	29	0	0	0	0	57	57	52	57
AMK #4	48	43	45	44	44	42	36	42	0	0	0	0
AMK PH II	96	90	80	72	44	42	36	42	57	57	52	57
AMK PH III	62	74	61	117	117	113	117	113	117	117	106	117
AMK COMP.	158	164	141	189	161	156	154	156	174	174	158	174
STP #1	28	28	2	31	37	36	37	36	37	37	33	37
STP #2	34	32	25	37	31	12	37	36	37	37	33	37
STP #3	33	33	26	6	37	36	37	36	37	37	33	37
STP #4	34	31	22	37	6	36	37	36	37	37	33	37
STP #5	33	32	18	37	37	18	25	36	37	37	33	37
STP PH I	161	156	93	148	148	137	173	179	185	185	167	185
STP #6	117	0	44	125	125	121	125	121	125	125	113	125
STP #7	106	107	70	123	123	20	123	119	123	123	111	123
STP PH II	223	107	114	248	248	141	248	240	248	248	224	248
STP #8	101	109	40	66	131	127	131	127	131	131	118	131
STP #9	105	110	62	22	131	127	131	127	131	131	118	131
STP PH III	206	219	102	87	262	254	262	254	262	262	237	262
STP COMP.	590	482	309	483	658	532	683	673	695	695	628	695
SGTPS#1	102	89	79	114	114	55	0	110	114	114	103	114
SGTPS#2	93	90	65	115	0	55	115	111	115	115	104	115
SGTPS PH I	194	179	144	228	114	111	115	221	228	228	206	228
SGTPS#3	122	101	81	22	133	129	133	129	133	133	120	133
SGTPS#4	120	108	100	44	89	129	133	129	133	133	120	133
SGTPS PH II	242	209	181	67	222	257	266	257	266	266	240	266
SGTPS EXT	313	258	277	320	53	310	320	310	320	320	289	320
SGTPS COMP.	749	646	602	615	389	678	701	788	814	814	735	814
TOTAL	1497	1292	1052	1287	1208	1365	1537	1616	1684	1684	1521	1684
TENTATIVE UNITWISE PUF IN % YEAR 2009-10												
POWER STATION	ACTUAL			ANTICIPATED								
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
AMK #3	56.5	52.8	40.7	32.0	0.0	0.0	0.0	0.0	64.0	64.0	64.0	64.0
AMK #4	55.2	48.5	51.9	48.8	48.8	48.8	40.7	48.8	0.0	0.0	0.0	0.0
AMK PH II	55.8	50.6	46.3	40.4	24.4	24.4	20.3	24.4	32.0	32.0	32.0	32.0
AMK PH III	40.7	47.1	40.3	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
AMK COMP.	55.8	50.6	46.3	56.6	48.0	48.0	45.9	48.0	52.1	52.1	52.1	52.1
STP #1	61.9	60.9	4.5	66.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
STP #2	74.7	68.2	55.3	79.5	66.2	26.5	79.5	79.5	79.5	79.5	79.5	79.5
STP #3	72.2	70.9	57.6	13.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
STP #4	76.3	66.3	49.2	79.6	13.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6
STP #5	72.3	68.8	40.3	79.5	79.5	39.8	53.0	79.5	79.5	79.5	79.5	79.5
STP PH I	71.5	67.0	41.4	63.6	63.6	61.0	74.2	79.5	79.5	79.5	79.5	79.5
STP #6	80.9	0.0	30.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
STP #7	70.3	68.5	46.3	78.8	78.8	13.1	78.8	78.8	78.8	78.8	78.8	78.8
STP PH II	75.5	35.1	38.5	81.3	81.3	47.7	81.3	81.3	81.3	81.3	81.3	81.3
STP #8	66.9	69.7	26.6	42.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
STP #9	69.6	70.6	40.7	14.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
STP PH III	68.2	70.2	33.7	28.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
STP COMP.	71.7	56.7	37.5	56.9	77.4	64.6	80.3	81.8	81.8	81.8	81.8	81.8
SGTPS#1	67.1	57.3	52.4	72.8	72.8	36.4	0.0	72.8	72.8	72.8	72.8	72.8
SGTPS#2	61.2	57.4	43.0	73.4	0.0	36.7	73.4	73.4	73.4	73.4	73.4	73.4
SGTPS PH I	64.2	57.3	47.7	73.1	36.4	36.5	36.7	73.1	73.1	73.1	73.1	73.1
SGTPS#3	80.7	64.8	53.7	14.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
SGTPS#4	79.3	69.1	66.0	28.4	56.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
SGTPS PH II	80.0	66.9	59.9	21.3	70.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
SGTPS PH III	87.0	69.2	76.9	86.0	14.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
SGTPS COMP.	77.6	64.8	62.4	61.7	39.0	70.2	70.3	81.7	81.7	81.7	81.7	81.7
TOTAL	73.2	60.2	50.5	59.0	55.3	64.6	70.4	76.6	77.2	77.2	77.2	77.2

Annexure-7.3(i)

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				
1	INDORE -ITARSI 400 KV	CB	OPEN	CLOSE
2	INDORE -S/Z IND220 KV	CB	OPEN	CLOSE
3	INDORE -UJJAIN 220 KV	CB	OPEN	CLOSE
4	INDORE -IND EAST220 KV	CB	FAULTY	CLOSE
5	400/220 TRANSFORMER	OLTC	1	13
RTU Name INDORE NZ 220 KV S/S				
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	STN. XMER	CB	FAULTY	CLOSE
RTU Name INDORE CHAMBLE132 KV S/S				
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				
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 SZ -INDORE 220KV (400 KV)	CB	OPEN	CLOSE
8	66 MVA CAPACITOR	CB	FAULTY	OPEN
9	160 MVA TRAN.(132kv SIDE)	CB	FAULTY	CLOSE
10	IND S/Z TO CAT -1	CB	OPEN	CLOSE
11	40 MVA TRANSFORMER IV	CB	FAULTY	OPEN
12	IND S/Z TO BURWAHA-1	CB	FAULTY	CLOSE
13	IND S/Z TO BURWAHA-2	CB	FAULTY	CLOSE
14	IND S/Z TO DEWAS	CB	OPEN	CLOSE
15	IND S/Z TO CHAMBLE	CB	FAULTY	CLOSE
16	3X40 MVA TRANSFORMER II(132KV SIDE)	CB	OPEN	CLOSE
RTU name Pitampur 220 KV S/S				
1	220 KV TRB	CB	FAULTY	OPEN
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	132/33 KV TRANSFORMER 2	CB	FAULTY	CLOSE
6	132 KV TRB	CB	FAULTY	OPEN

7	132 KV BUS COUPLE	CB	FAULTY	OPEN
8	PITAMPUR 132 KV-HML	CB	FAULTY	OPEN
9	PITAMPUR 132 KV-BRIDGESTONE	CB	FAULTY	CLOSE
10	CAPACITOR BANK	CB	FAULTY	OPEN
RTU name -NAGDA 400 KV S/S				
1	400/220 KV ICT I	OLTC	17	9
2	400/220 KV ICT II	OLTC	N/C	7
3	400/220 KV ICT III	OLTC	N/C	7
4	NAGDA –NEEMUCH 220 KV	MW	10	0
5	NAGDA –NEEMUCH 220 KV	MVAR	3	0
RTU name NAGDA 220 KV S/S				
1	125 MVA TRANSFORMER	OLTC	9#	8
2	160 MVA TRANSFORMER	OLTC	17	12
3	40 MVA TRANSFORMER -II	OLTC	17	5
4	INTERCONNECTOR I	MW	4	0
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	CB	OPEN	CLOSE
9	NAGDA TO MAHIDPUR	CB	FAULTY	CLOSE
10	NAGDA TO ALOT	CB	FAULTY	CLOSE
11	NAGDA TO RATDIYA	CB	FAULTY	CLOSE
12	125 MVA TRANSFORMER (132KV)	CB	FAULTY	CLOSE
13	40 MVA TRANSFORMER I	CB	FAULTY	CLOSE
RTU name Dewas 132 KV S/S				
1	132 KV BUS I	VOLTAGE	0	127
RTU name Dewas 220 KV S/S				
1	220/132 KV TRANSFORMER	MW	29	90
2	220/132 KV TRANSFORMER	MVAR	6	10
3	/33 KV TRANSFORMER I	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	DEWAS 132 KV -MSP	CB	FAULTY	CLOSE
11	20 MVA TRANSFORMER I	CB	FAULTY	OPEN
RTU name Ujjain 220 KV S/S				
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	220 KV TRB	CB	FAULTY	OPEN
6	3X40 MVA TRANSFORMER (132 KV SIDE)	CB	FAULTY	CLOSE
7	63 MVA TRANSFORMER	CB	FAULTY	CLOSE
8	UJJAIN 132 KV- GHOSLA	CB	FAULTY	CLOSE
RTU name Shujalpur 220 KV S/S				
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				
1	132/33 KV TRANSFORMER 1	OLTC	N/C	9
2	Shajapur132 KV-PANWADI	CB	FAULTY	OPEN
RTU name Ratlam 220 KV S/S				
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
RTU name Neemuch 220 KV S/S				
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	220	230
RTU name Burwaha 220 KV S/S				
1	160 MVA XMER	OLTC	17	3
2	3X40 MVA XMER	OLTC	17	3
3	63 MVA XMER	OLTC	17	4
	220 KV BUS COUPLER	CB	FAULTY	OPEN
	BURWAHA 220KV-NIMRANI	CB	FAULTY	CLOSE
	BURWAHA 220KV-INDORE I	CB	FAULTY	CLOSE
	220 /132 KV TRANSFORMER 1	CB	FAULTY	CLOSE
	220 /132 KV TRANSFORMER 2 (132 KV SIDE)	CB	FAULTY	CLOSE
	220 /132 KV TRANSFORMER2 (132 KV SIDE)	CB	FAULTY	CLOSE
	BURWAHA 132KV-CHEGAON	CB	FAULTY	CLOSE
RTU name Napanagar 220 KV S/S				
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	132 KV BUS	VOLTAGE	133	138
RTU name Bhopal 400 KV S/S				
1	400/220 KV TRANSFORMER 3	OLTC	N/C	5
2	BHOPAL 220 KV -SHUJALPUR	CB	FAULTY	CLOSE
RTU name Bhopal 220 KV S/S				
1	BHOPAL132 KV-BAIRAGRAH II	MW	0	40
2	BHOPAL132 KV-BAIRAGRAH II	MVAR	0	15
3	BHOPAL132 KV-CHAMBLE I	MW	0	15
4	BHOPAL132 KV- CHAMBLE I	MVAR	0	5
5	BHOPAL132 KV- CHAMBLE II	MW	0	14
6	BHOPAL132 KV- CHAMBLE II	MVAR	0	10
7	BHOPAL132 KV-CHAMBLE I	CB	FAULTY	CLOSE
8	BHOPAL132 KV-BAIRAGRAH II	CB	FAULTY	CLOSE
9	BHOPAL132 KV- CHAMBLE II	CB	FAULTY	CLOSE
RTU name Piparia 132 KV S/S				
1	132/33 KV TRANSFORMER 1	OLTC	N/C	4

2	PIPARIA-ITARSI 132 KV	MW	0	15
3	PIPARIA-ITARSI 132 KV	MVAR	0	10
4	PIPARIA 132 KV-BARELI	MW	0	8
5	PIPARIA 132 KV-BARELI	MVAR	0	5
6	PIPARIA 132KV-GADARWARA	MW	0	15
7	PIPARIA 132KV-GADARWARA	MVAR	0	10
RTU name Sarni 220 KV S/S				
1	SARNI-SATPURA TPS 220 KV	MW	0	60
2	SARNI-SATPURA TPS 220 KV	MVAR	0	15
3	SARNI-SATPURA TPS 220 KV	CB	FAULTY	CLOSE
4	SARNI 220 KV TRB	CB	FAULTY	CLOSE
RTU name Bairagrah 220 KV S/S				
1	220 KV BUS 1	VOLTAGE	127	225
2	220 KV BUS 2	VOLTAGE	N/C	225
3	Bairagrah 220KV-Lalghati II	CB	FAULTY	CLOSE
4	220/132 KV TRANSFORMER I	CB	FAULTY	CLOSE
5	220 KV TRB	CB	FAULTY	OPEN
RTU Name HANDIA 220 KV S/S				
1	HANDIA –ITARSI 220 KV	MW	0	20
2	HANDIA –ITARSI 220 KV	MVAR	0	10
3	HANDIA –HARDA 132 KV	MW	2	15
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				
1	132/33 KV TRANSFORMER 4	CB	FAULTY	CLOSE
2	MALANPUR132 KV-AMBA	CB	FAULTY	CLOSE
3	MALANPUR132 KV-GWALIOR	CB	FAULTY	CLOSE
4	220 KV BUS COUPLER I	CB	FAULTY	CLOSE
5	220 KV BUS COUPLER II	CB	FAULTY	CLOSE
6	MALANPUR220 KV-AURRIA	CB	FAULTY	CLOSE
7	MALANPUR220 KV-MEHGAON	CB	FAULTY	CLOSE
RTU Name MEHGAON 220 KV S/S				
	220 KV BUS TRANSFER	CB	FAULTY	OPEN
	220/132 KV TRANSFERMER	CB	FAULTY	CLOSE
	MEHGAON 22KV- MALANPUR	CB	FAULTY	CLOSE
	MEHGAON 22KV- AURIYA	CB	FAULTY	CLOSE
	220/132 KV TRANSFERMER (132 KVSIDE)	CB	FAULTY	CLOSE
	MEHGAON 132 KV RON	CB	FAULTY	CLOSE
	132 KV BUS TRANSFER	CB	FAULTY	OPEN
	132 KV INTERCONNECTOR	CB	FAULTY	CLOSE
	220/132 KV TRANSFERMER	MW	0	
	220/132 KV TRANSFERMER	MVAR	0	
	MEHGAON 132 KV RON	MW	0	
	MEHGAON 132 KV RON	MVAR	0	
	132 KV BUS	VOLTAGE	0	
	132 KV BUS	FREQ.		
RTU name Gwalior 220 KV S/S				
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 I	CB	FAULTY	CLOSE
6	GWALIOR 132 KV-TRACTION II	CB	FAULTY	CLOSE
7	220/132 XMER I(132KV SIDE)	CB	FAULTY	CLOSE
RTU name Guna 220 KV S/S				
1	220/132 KV TRANSFORMER	OLTC	N/C	3
2	220 KV BUS 2	VOLTAGE	N/C	227
3	GUNA RAGHAVGRAH	MW	5	12
4	220 KV TRB	CB	FAULTY	OPEN
5	220/132 KV TRANSFORMER	MW	60	40
RTU name Ashta 132 KV S/S				
1	ASHTA 132 KV-ARNIKALAN II	CB	FAULTY	CLOSE
2	ASHTA 132 KV	VOLTAGE	N/C	130
3	ASHTA 132 KV	FREQ.	N/C	49.25
RTU name Boregaon 132 KV S/S				
1	132/33 KV TRANSFORMER	OLTC	N/C	5
2	132/33 KV TRANSFORMER	CB	FAULTY	CLOSE
3	BOREGOAN132 KV-CHINDWADA	MVAR	0	10
RTU name Chindwada 132 KV S/S				
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				
1	220/132 KV TRANSFORMER	OLTC	N/C	4
2	132/33 KV TRANSFORMER 1	CB	FAULTY	CLOSE
3	PANDURNA 220 KV-SATPURA TPS	CB	FAULTY	CLOSE
RTU name Narsingpur 220 KV S/S				
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	220 KV BUS 1	VOLTAGE	0	229
5	220 KV BUS 2	VOLTAGE	0	228
6	220 KV BUS 1	FREQ.	0	49.65
7	NARSINGPUR220 KV-JABALPUR 1	MW	0	120
8	NARSINGPUR220 KV-JABALPUR 1	MVAR	0	15
9	NARSINGPUR220 KV-JABALPUR 2	MW	0	115
10	NARSINGPUR220 KV-JABALPUR 2	MVAR	0	10
11	NARSINGPUR220 KV-ITARSI 1	MW	0	95
12	NARSINGPUR220 KV-ITARSI 1	MVAR	0	10
13	NARSINGPUR220 KV-ITARSI 2	MW	0	90
14	NARSINGPUR220 KV-ITARSI 2	MVAR	0	15
15	220/132 KV TRANSFORMER 1	MW	0	20
16	220/132 KV TRANSFORMER 1	MVAR	0	10
17	220/132 KV TRANSFORMER 2	MW	0	25
18	220/132 KV TRANSFORMER 2	MVAR	0	10
19	133/33 KV TRANSFORMER 1	CB	OPEN	CLOSE
20	220/132 KV TRANSFORMER 2	CB	OPEN	CLOSE
21	132 KV INTERCONNECTOR 2	MW	74	10

RTU name Satna 220 KV S/S				
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	220/132 KV TRANSFORMER 1	CB	FAULTY	CLOSE
5	SATNA 220KV-SATNA PGCIL 2	CB	OPEN	CLOSE
6	SATNA 132 KV-PANNA	CB	FAULTY	CLOSE
7	SATNA 132 KV-KYMORE	CB	FAULTY	CLOSE
8	SATNA 132 KV INTERCONNECTOR 2	CB	FAULTY	CLOSE
9	132 KV BUS 2	VOLTAGE	13	134
RTU name Satna 132 KV S/S				
1	132/33 KV TRANSFORMER 1	OLTC	N/C	6
2	132 KV TRB	CB	FAULTY	OPEN
RTU name Morwa 132 KV S/S				
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				
1	BINA400 KV-BINA PGCIL	CB	FAULTY	CLOSE
2	BINA 220 KV-SHIVPURI 2	CB	OPEN	CLOSE
3	BINA 220 KV- GWALIOR 1	CB	OPEN	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

List of Telemetry Discrepancy Observed at Power Stations

Annexure 7.3(ii)

RTU NAME- Amarkanatak Thermal Power Station

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
23	ATPS 220 KV BUS COUPLER	CB	OPEN	FAULTY
24	ATPS132 KV BUS COUPLER	CB	OPEN	FAULTY

RTU NAME- Birsingpur Thermal Power Station

1	BRS220 KV IC II	CB	CLOSE	OPEN
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 /220 ICT	MW	115	190
6	BRS 400KV- DAMOH PGCIL	MW	330	344

RTU NAME- Satpura Thermal Power Station -I

1	STPS PH I Stn Xmer I	CB	CLOSE	FAULTY
2	STPS PH I Stn Xmer II	CB	CLOSE	FAULTY
3	STPS PH I Stn Xmer III	CB	CLOSE	FAULTY
4	STPS PH I BUSCOUPLER I	CB	OPEN	FAULTY
5	STPS PH I BUSCOUPLER II	CB	OPEN	FAULTY
6	STPS PH I TRB I	CB	OPEN	FAULTY
7	STPS PH I TRB II	CB	OPEN	FAULTY
8	STPS 220 KV-ITS III	CB	CLOSE	FAULTY
9	STPS 220 KV-ITS IV	CB	CLOSE	FAULTY
10	STPS PH 2 GENERATOR 6	CB	CLOSE	FAULTY
11	STPS PH 2 GENERATOR 6 (GT)	MVAR	20	N/C
12	STPS PH 2 GENERATOR 7 (GT)	MVAR	15	N/C
13	STPS PH 2 MAIN BUS 1	VOLTAGE	229	N/C
14	STPS PH 2 MAIN BUS 1	FREQ.	49.46	N/C
15	STPS PH 2 MAIN BUS 2	VOLTAGE	228	N/C
16	STPS PH 2 MAIN BUS 2	FREQ.	49.44	N/C
17	STPS 400/220 KV XMER I	CB	CLOSE	OPEN
18	STPS 400KV-SEONI PGCIL	CB	CLOSE	OPEN
19	STPS 400KV STN. XMER	CB	CLOSE	FAULTY

RTU NAME- Madhikheda hydel Power Station

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 II	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

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

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

1	GENERATOR 2	CB	open	transit
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RTU NAME- Gandhi sagar hydel Power Station

1	132 KV BUS COUPLER	CB	OPEN	CLOSE
2	GENERATOR I	CB	OPEN	CLOSE
3	GENERATOR II	CB	OPEN	CLOSE
4	GENERATOR III	CB	OPEN	CLOSE
5	GENERATOR IV	CB	OPEN	CLOSE
6	GENERATOR V	CB	FAULTY	CLOSE
7	132/33 KV XMER	OLTC	9	6

RTU NAME- Rajghat hydel Power Station

	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