

**AGENDA FOR 17<sup>TH</sup> MEETING OF OPERATION & COORDINATION COMMITTEE OF MP TO BE  
HELD ON 16<sup>TH</sup> NOVEMBER 2009 AT SLDC, JABALPUR**

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

Minutes of 16<sup>th</sup> meeting of Operation & coordination committee of MP held on 16.09.2009 at Bhopal, were uploaded on the SLDC website and intimation was given to all the members of the Committee vide No07-05/SG-9B-II/1824 dated 05-11-2009.

**The committee may confirm the minutes.**

**ITEM NO. 2 : REVIEW OF SYSTEM OPERATION DURING THE MONTH OF SEPTEMBER 2009  
AND OCTOBER 2009**

**2.1 Frequency Particulars**

The detailed frequency particulars for the month of September-2009 & October-2009 are enclosed at Annexure-2.1. The One hour integrated average frequency during September & October 2009 was recorded at 49.59 Hz and 49.66 Hz respectively. The minimum integrated frequency over an hour was 48.93 Hz and 48.70 Hz for the respective months with the maximum integrated frequency over an hour at 50.24 Hz and 50.26 Hz. The instantaneous maximum and minimum frequency recorded for September & October 2009 was 50.49 Hz, 50.50Hz and 48.65 Hz, 48.70 Hz respectively.

**The Committee may like to note.**

**2.2 Operational Matters**

**2.2.1 Operational Discipline**

The instances of significant violation of IEGC by the DISCOMs by overdrawing at frequency below 49.2 Hz during the month of September and October 2009 is as detailed in the Annexure 2.2.1.

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

During September & October 2009, the system frequency of the combined grid was within the permissible range of 49.2-50.3 Hz for 83.19 % & 94.67 % of the time respectively. The net unscheduled interchange by MP during the months September & October 2009 was -215.38 MU and -113.52 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 September & October 2009 is enclosed at Annexure -2.3.

During the month of September & October 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	SEPTEMBER 2009				OCTOBER 2009			
		Max. Voltage observed		Min. Voltage observed		Max. Voltage observed		Min. Voltage observed	
		Voltage	Date	Voltage	Date	Voltage	Date	Voltage	Date
1	Indore	-	-	-	-	-	-	-	-
2	Itarsi	428	09,10.09.09	-	-	428	9,10.10.09	-	-
3	Bina	426	10,13.09.09	-	-	426	13.10.09	-	-
4	Gwalior	432	12.09.09	357	30.09.09	432	12.10.09	349	25.10.09
5	Nagda	428	20.09.09	-	-	428	20.10.09	-	-

**The Committee may discuss.**

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

The details of capacitor bank installation on 33 & 11 KV feeders was discussed in the last OCCM and targets for completion of balance work was given by the DISCOMs. The DISCOMs may furnish the progress as on 31-10-2009 for discussion in the OCC meeting.

**(Action Discoms)**

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

The updated status on various ongoing Transmission Schemes for the current financial year as on 31-10-2009 may be submitted by the MPPTCL for discussion in the meeting.

**(Action : Planning MPPTCL)**

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

- (i) During September and October 2009 the system frequency remained below 49.2 Hz for 16.30 % and 5.03 % of the time respectively. The frequency touched, 48.80 Hz for 481 and 155 times during September and October 2009 respectively.

The consolidated information about UFLS operation for September and October 2009 is 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) **Review of df/dt scheme** : The CE(T&C)/CE(PS) has been requested vide SLDC UO No 334 dated 23-10-2009 regarding review of installation of df/dt relays on radial feeders as most of the feeders where df/dt relays are installed no longer radial feeders owing to commissioning of new substations and lines and adequate load relief from df/dt relay operation is not available. The CE (PS) has suggested CE(T&C) to hold a meeting of CE(T&C), CE(PS) and OSD(LD).

[Action CE (T&C)/CE(PS)]

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

In the last OCC it was desired that the consolidated information regarding status of healthiness of DRs & SERs along with GPS time stamping facility is required rather than information from few individual substations. As was informed earlier, the complied information is also required for the OCCM of WRPC on monthly basis. It was agreed in the 16<sup>th</sup> OCC meeting that the respective companies shall furnish the consolidated status report regularly by 5<sup>th</sup> of every month. However, consolidated information is not received from MPPGCL and MPPTCL.

The MPPGCL and MPPTCL may furnish the consolidated status report before 12-10-2009 for submission to the WRPC for its OCC scheduled to be held on 13<sup>th</sup> November 2009 and for discussion in the 17<sup>th</sup> OCC meeting of MP.

[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 September and October 2009 are enclosed at Annexure 2.5.

(ii) **Differential Load Shedding** : The DCCs were 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 matter was also discussed in the 15<sup>th</sup> and 16<sup>th</sup> OCC meeting and DISCOMs had agreed to furnish the data. However, the information is not being received by SLDC. It is desired that the DCCs may start furnishing the data at the end of each shift to SLDC so that unrestricted demand computation could be made correctly. The DISCOMs may also 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. The matter shall be discussed in the meeting.

(Action DISCOMS)

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

### **3.1 Anticipated Power Supply Position for the Month of October-2009 to March 2009**

Details of Anticipated Demand and Source wise Availability for the period October-2009 to March-2010 as on 24.09.2009 are enclosed in Annexure-3.1.

As was explained in the 15<sup>th</sup> and 16<sup>th</sup> OCCM the SLDC has been given the task of 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 15<sup>th</sup> November each year. The DISCOMs may submit the data in the 17<sup>th</sup> OCC meeting for discussion.

As per MPERC regulation (MPEGC), the DISCOMs have also to provide daily demand on month ahead by 25<sup>th</sup> for the next month. However, the data on daily demand on month ahead for the next month is not being received from any of the DISCOMs. The DISCOMs may give specific commitment to the OCC for the date from which they would start furnishing the data to SLDC

**(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 **November 2009 to March 2010 (R-5/6)** is given in Annexure 3.2.

**Committee May like to discuss.**

**3.3 Proposed shutdown programme of Transmission lines / Transformers -**

The proposed maintenance programme for the period **November-2009 to December-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 16<sup>th</sup> OCC Meeting may also be furnished:

<b>S N</b>	<b>Line/Transformer/Breaker/ Reactor etc under long outage</b>	<b>Outage date</b>	<b>Reason</b>	<b>Expected date of restoration as intimated in the 16<sup>th</sup> OCCM</b>
1	63 MVAR Reactor at Satpura TPS	24.05.2005	Damage of all three limbs along with reactor tank	Estimate approval is under progress.
2	Tie Breaker of 315 MVA, 400/220 KV X'mer –II at 400 KV Bina S/S	23.10.2008	Gas Leakage from PIR	Matter is being taken up with M/s. CGL.

**Action MPPGCL/MPPTCL**

#### **ITEM NO. 4 : OPERATIONAL STATISTICS FOR THE MONTH OF SEPT & OCT 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 SEPTEMBER & OCTOBER 2009**

There was no significant system disturbance reported during the period Sep & Oct 2009.

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

##### **6.1 Progress of functioning of Discom Control Centre (DCC)**

The East and Central DCCs are functioning in all three shifts and the load management is also being done accordingly. However, despite constant persuasion from SLDC, the West DISCOM has not taken up the load management functions. The MPERC has implemented the Balancing & Settlement code in the state from 1<sup>st</sup> November 2009 and all three DISCOMs have come under intrastate ABT regime. Under this situation it is the prime responsibility of each DISCOM to comply to the Balancing and Settlement code. The load management function by West DCC is a must. Matter has already been appraised to Secretary (Energy), GoMP, Bhopal.

The West DISCOM may give their commitment to the Committee to start performing the load management function in all three shifts otherwise SLDC has no option but to report to MPERC.

**Action : West DISCOM.**

##### **6.2 PREPAREDNESS OF MPPGCL FOR IMPLEMENTATION OF BALANCING & SETTLEMENT CODE -**

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

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

**(Action Planning, MPPTCL)**

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

The maintenance of Remote Terminal Units installed in MPPTCL and MPPGCL power stations have to be finalized by the respective companies. In the last 15<sup>th</sup> OCC meeting, it was agreed by MPPTCL and MPPGCL that the AMC of the RTUs shall be done centrally by them. The progress in this regard may be submitted in the OCC 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 is detailed in annexure-7.3(i) & 7.3(ii).

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

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

In the last two OCC meetings SE O/o of CE (T&C), MPPTCL had assured that the information from Jabalpur, Satna, Gwalior and Sagar testing circles shall be obtained and information of all testing circles shall be compiled for working out the requirement for upgradation of the existing RTUs., but so far the information is not submitted to SLDC. The MPPTCL may give a deadline for the same.

**Action- T&C & Planning**

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

In the 16<sup>th</sup> OCC meeting it was informed by Planning, MPPTCL that the price bids of OPGW cable required for installation on the diverted route of 220KV Jabalpur-Sukha line has been opened. The progress in the matter alongwith schedule for installation may be furnished in the meeting.

**ACTION-PLANNING MPPTCL.**

### **ITEM NO. 8:**

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

### **ITEM No. 9 : DATE AND VENUE OF NEXT OCC MEETING ::**

It is proposed to hold 18<sup>th</sup> meeting of Operation and Coordination Committee of MP on 18<sup>th</sup> January 2010 at SLDC, MPPTCL, Jabalpur.

## FREQUENCY PARTICULARS

S. No.	Particulars	Sep-09		Oct-09	
<b>1 INTEGRATED OVER AN-HOUR</b>					
1.1	Maximum Frequency	50.24 Hz	Between 02.00 hrs & 03.00 Hrs on 04.09.09	50.26 Hz	Between 10.00 hrs & 11.00 Hrs on 04.10.09
1.2	Minimum Frequency	48.93 Hz	Between 22.00 hrs & 23.00 Hrs on 26.09.09	48.92 Hz	Between 05.00 hrs & 06.00 Hrs on 01.10.09
1.3	Average Frequency	49.59 Hz		49.66 Hz	
<b>2 INSTANTANEOUS FREQUENCY</b>					
2.1	Maximum Frequency	50.49 Hz	AT 00.04 HRS ON 18.09.09	50.5 Hz	AT 08.07 HRS ON 19.10.09
2.2	Minimum Frequency	48.65 Hz	AT 21.35 HRS ON 29.09.09	48.7 Hz	AT 05.46 HRS ON 01.10.09

**3 Percentage of time when frequency was :-**

		Sep-09	Oct-09
3.1	Below 48.5 Hz	0.00	0
3.2	Between 48.50 Hz and 48.8 Hz	0.37	0.07
3.3	Between 48.80 Hz and 49.2 Hz	15.93	4.96
3.4	Between 49.20 Hz and 49.5 Hz	23.79	23.21
3.5	Between 49.50 Hz and 49.8 Hz	28.41	41.68
3.6	Between 49.80 Hz and 50.2 Hz	29.29	28.63
3.7	Between 50.20 Hz and 50.3 Hz	1.70	1.15
3.8	Between 50.30 Hz and 51.0 Hz	0.51	0.3
3.9	Above 51.0 Hz	0.00	0
4.1	No. of times frequency touched 48.80 Hz	481	155
4.2	No. of times frequency touched 48.60 Hz	0	0
4.3	No. of times frequency touched 51.0 Hz	0	0



**Violation by Discoms at Frequency >= 49.20 Hz : September 2009**

Date / TIME	FRQ	CENTRAL DISCOM			EAST DISCOM			WEST DISCOM		
		SCH	DRL	O/D	SCH	DRL	O/D	SCH	DRL	O/D
1:11:15	48.83	854	844	-12	784	905	120	885	911	24
1:17:45	48.97	977	990	15	897	921	26	1013	1111	100
1:21:15	49.2	1419	1361	-61	1302	1238	-66	1470	1532	59
2:10:15	49.13	956	994	41	877	764	-110	990	1081	94
2:13:45	49.04	977	912	-63	896	775	-120	1012	1080	70
4:14:45	49.13	920	947	18	844	833	-19	953	992	30
8:00:15	48.82	1199	1241	44	1100	880	-219	1242	1206	-34
8:03:45	49.18	1114	1235	121	1022	806	-215	1154	1184	30
8:04:15	48.83	1111	1153	43	1020	772	-247	1152	1194	44
8:04:30	49.08	1122	1203	77	1029	763	-270	1162	1191	25
8:04:45	48.87	1115	1180	64	1023	758	-265	1155	1105	-51
8:17:45	49.14	1160	966	-196	1064	598	-468	1201	1248	44
8:18:45	48.8	1284	1221	-62	1178	975	-202	1330	1489	160
8:19:00	48.83	1269	1215	-56	1164	894	-271	1315	1393	77
8:21:00	48.95	1258	1158	-95	1154	791	-358	1303	1345	47
12:19:15	49.12	1677	1453	-222	1538	1208	-329	1738	1824	89
14:18:45	49.14	1617	1456	-157	1483	1079	-401	1675	1979	308
14:22:15	49.06	1573	1460	-115	1443	1182	-263	1630	1841	209
16:22:15	49.15	1678	1358	-316	1539	1425	-110	1738	1757	22
16:22:30	48.99	1663	1392	-273	1526	1430	-97	1723	1770	45
16:22:45	49.2	1653	1358	-293	1517	1511	-4	1713	1767	55
16:23:15	48.91	1737	1510	-229	1593	1469	-125	1800	1925	124
17:00:15	49.12	1731	1486	-246	1587	1452	-137	1793	1914	120
17:23:45	49.13	1599	1515	-84	1467	1389	-78	1657	1685	28
18:02:15	49.11	1525	1444	-81	1399	1317	-83	1580	1665	84
18:12:30	49.13	1411	1106	-306	1294	1120	-176	1462	1491	27
18:14:30	48.88	1416	1097	-318	1299	930	-367	1467	1519	53
18:20:15	49.12	1552	1384	-166	1423	1457	35	1607	1718	112
18:21:30	49.12	1531	1432	-98	1404	1231	-173	1586	1649	64
18:22:15	49.06	1548	1366	-181	1420	1409	-10	1603	1663	60
19:04:15	49.05	1566	1451	-109	1436	1274	-157	1622	1708	91
19:11:15	48.99	1361	1140	-224	1249	889	-362	1410	1542	129
19:13:30	49.09	1366	1032	-339	1253	941	-317	1416	1486	66
19:14:30	49.13	1349	1048	-301	1238	973	-265	1398	1461	63
19:17:45	49.12	1366	1229	-138	1253	932	-323	1415	1531	114
19:23:00	49.14	1525	1425	-97	1399	1399	2	1580	1492	-85
19:23:15	48.83	1523	1394	-133	1397	1341	-60	1577	1676	94
20:00:30	49.09	1576	1461	-120	1445	1347	-104	1632	1782	144
20:00:45	49.07	1493	1597	105	1370	1336	-33	1547	1556	10
20:01:00	49.09	1436	1572	136	1317	1289	-28	1487	1434	-53
20:01:15	49.13	1420	1527	107	1303	1316	14	1472	1331	-141
20:01:30	48.93	1419	1512	96	1302	1272	-27	1470	1351	-116
20:03:45	49.05	1411	1415	6	1294	1276	-16	1462	1462	3
20:23:00	49.18	1459	1339	-112	1338	1422	90	1511	1454	-50
20:23:45	49.18	1424	1368	-57	1307	1360	52	1476	1428	-48
21:00:30	48.92	1442	1445	-7	1323	1352	20	1494	1326	-178
21:00:45	49.02	1449	1462	8	1329	1360	26	1501	1362	-144
21:01:15	48.93	1442	1410	-30	1323	1351	31	1494	1351	-140
21:01:30	49.03	1445	1389	-59	1325	1395	67	1497	1334	-166
21:01:45	49.03	1450	1406	-48	1330	1411	77	1502	1344	-162
21:04:45	49.19	1415	1315	-95	1298	1038	-255	1466	1698	238
21:05:15	49.14	1415	1358	-58	1298	1024	-275	1466	1714	246
21:12:15	48.89	1301	1199	-101	1193	1189	-4	1348	1542	196
21:12:30	49.19	1309	1186	-120	1201	1253	54	1356	1529	176
21:13:45	48.98	1318	1151	-168	1209	1143	-67	1366	1577	210
21:14:15	49.09	1344	1129	-208	1232	1089	-138	1392	1532	147
21:14:45	49.11	1334	1162	-174	1223	1108	-117	1382	1575	192
21:21:30	49.19	1493	1515	21	1370	1387	16	1547	1902	354
21:22:30	49.2	1485	1522	34	91362	1500	135	1538	1577	36

**Violation by Discoms at Frequency >= 49.20 Hz : September 2009**

Date / TIME	FRQ	CENTRAL DISCOM			EAST DISCOM			WEST DISCOM		
		SCH	DRL	O/D	SCH	DRL	O/D	SCH	DRL	O/D
22:00:30	49.08	1356	1397	45	1244	1294	54	1405	1505	105
22:01:00	49.2	1366	1300	-66	1253	1350	97	1415	1094	-321
22:01:15	49.13	1365	1196	-168	1252	1428	177	1414	1202	-211
22:01:45	49.18	1358	1383	28	1246	1417	174	1407	1350	-54
22:02:15	49.15	1359	1301	-56	1246	1291	46	1408	1338	-68
22:02:30	49.07	1369	1280	-86	1256	1287	34	1418	1337	-78
22:03:00	49.16	1365	1280	-85	1253	1333	81	1415	1346	-68
22:04:45	49.07	1365	1339	-23	1252	1199	-50	1414	1445	34
22:09:45	49.15	1198	1202	5	1099	1030	-68	1241	1245	4
22:10:45	49.15	1196	1150	-45	1097	1058	-39	1239	1200	-38
22:11:15	48.97	1189	1191	9	1091	1173	89	1232	1197	-27
22:11:30	49.06	1139	1141	1	1045	1180	134	1181	1108	-72
22:12:15	48.89	1124	1180	59	1031	1028	0	1164	1202	40
22:12:30	49.18	1136	1102	-35	1042	1071	29	1177	1161	-16
22:12:45	48.89	1136	1102	-35	1042	1071	29	1177	1161	-16
22:13:15	49.18	1127	1013	-106	1033	989	-38	1167	1250	90
22:13:30	48.93	1123	1068	-51	1030	949	-77	1164	1250	91
22:13:45	48.8	1122	1127	4	1029	971	-59	1162	1245	82
22:15:00	48.91	1149	1089	-64	1054	1070	12	1190	1053	-142
22:16:00	49.15	1164	1064	-103	1068	1051	-19	1206	1359	150
22:16:15	49.02	1180	1004	-178	1083	954	-130	1223	1415	190
22:17:00	49.15	1196	1104	-89	1097	866	-229	1239	1471	235
22:18:15	48.97	1427	1426	35	1309	1328	51	1478	1234	-208
22:18:45	49.17	1543	1541	23	1415	1263	-129	1598	1772	200
22:19:00	49.2	1614	1406	-177	1480	1335	-117	1672	1769	130
22:19:15	49.1	1621	1429	-192	1487	1357	-130	1679	1757	77
22:19:30	49.03	1619	1447	-178	1485	1345	-146	1677	1722	38
22:20:15	48.87	1617	1630	22	1484	1457	-18	1676	1798	132
22:20:30	49.01	1641	1642	-3	1505	1500	-8	1700	1809	105
22:20:45	49.02	1667	1625	-41	1529	1428	-101	1727	1812	86
22:21:15	48.79	1605	1644	39	1472	1411	-61	1663	1761	98
22:21:30	48.86	1601	1666	59	1469	1459	-15	1659	1750	85
22:21:45	49.13	1590	1502	-88	1459	1572	114	1648	1790	143
22:22:00	49.11	1592	1394	-198	1460	1618	158	1649	1636	-12
22:22:15	48.98	1571	1442	-128	1441	1539	98	1627	1631	4
22:22:30	49.13	1586	1492	-87	1455	1490	42	1643	1588	-48
23:05:15	49.05	1397	1441	19	1282	1055	-249	1448	1525	52
23:06:15	49.12	1278	1102	-178	1172	1031	-143	1324	1425	98
23:06:30	49.05	1241	1080	-161	1138	1009	-130	1286	1541	256
23:06:45	49.17	1188	1055	-136	1089	932	-160	1231	1452	219
23:07:00	49.15	1205	1114	-91	1105	910	-196	1248	1364	115
23:10:15	48.99	1087	1073	-21	997	1025	23	1127	1435	302
23:11:15	48.95	1096	1060	-31	1006	1128	128	1136	1338	207
23:11:30	49.07	1098	1132	32	1007	1129	120	1137	1177	37
23:11:45	48.93	1105	1104	0	1014	1074	62	1145	1034	-109
23:12:15	49.12	1108	1084	-25	1016	1066	48	1148	1114	-36
23:12:30	48.88	1089	1101	11	999	1111	111	1128	1177	48
23:12:45	49.04	1084	1102	22	994	966	-24	1123	1085	-34
23:13:45	48.91	1072	1009	-63	984	925	-58	1111	1346	236
23:14:00	49.06	1078	1002	-76	989	928	-61	1117	1272	156
23:14:15	48.83	1075	1005	-75	986	933	-58	1114	1260	140
23:15:30	49.1	1083	993	-90	994	1003	10	1122	1089	-32
23:16:30	49.19	1082	864	-216	992	1085	94	1121	1211	91
23:17:15	48.86	1088	1117	29	998	790	-208	1127	1192	65
23:17:30	49.07	1123	1128	5	1030	834	-196	1163	1217	54
23:17:45	48.84	1136	1140	11	1042	959	-78	1177	1529	359
23:18:00	49.18	1200	1225	57	1101	1103	32	1243	1285	76
23:18:15	48.86	1422	1376	6	1304	1430	174	1473	1747	329
23:18:45	48.9	1657	1684	63	1520	1609	121	1717	1950	270

**Violation by Discoms at Frequency >= 49.20 Hz : September 2009**

Date / TIME	FRQ	CENTRAL DISCOM			EAST DISCOM			WEST DISCOM		
		SCH	DRL	O/D	SCH	DRL	O/D	SCH	DRL	O/D
23:19:30	49.11	1697	1625	-75	1557	1563	3	1758	1909	147
23:19:45	49.06	1699	1678	-23	1558	1513	-46	1760	1797	35
23:20:15	49.07	1685	1610	-70	1545	1605	65	1745	1704	-36
23:20:30	48.89	1703	1702	-7	1563	1624	56	1765	1714	-56
23:21:15	48.8	1698	1734	33	1557	1572	12	1759	1698	-64
23:21:30	49.18	1704	1745	37	1563	1555	-11	1766	1719	-49
23:21:45	48.81	1665	1754	89	1528	1520	-8	1725	1709	-17
23:22:30	49	1635	1650	13	1500	1547	45	1694	1654	-41
23:22:45	48.82	1639	1564	-79	1504	1533	26	1699	1580	-121
23:23:00	49.17	1624	1591	-35	1489	1593	102	1682	1720	35
24:00:15	48.86	1602	1531	-73	1470	1499	28	1660	1718	57
24:00:45	49.06	1533	1534	0	1406	1427	20	1588	1612	23
24:01:15	49.06	1496	1564	68	1372	1364	-8	1550	1549	-1
24:05:00	49.01	1501	1519	15	1377	1230	-149	1555	1510	-48
24:05:15	49.02	1478	1365	-127	1356	1211	-158	1531	1492	-55
24:05:30	49.1	1433	1390	-52	1314	1166	-156	1484	1550	56
24:05:45	48.97	1432	1419	-8	1313	1169	-140	1483	1556	78
24:07:15	49.17	1224	1193	-31	1123	1010	-113	1268	1281	13
24:08:45	49.02	1225	1182	-43	1124	903	-220	1269	1668	399
24:09:30	48.94	1109	1075	-28	1017	753	-259	1149	1293	150
24:10:15	48.95	1097	1022	-69	1006	913	-88	1137	1284	154
24:10:30	49.01	1099	1099	0	1008	927	-81	1139	1191	52
24:10:45	49.05	1097	1114	20	1006	939	-65	1137	1194	60
24:11:15	48.95	1099	1105	6	1008	912	-96	1139	1171	32
24:11:30	49.1	1108	1120	13	1017	913	-103	1148	1142	-5
24:11:45	48.93	1103	1060	-37	1012	913	-93	1143	1097	-39
24:12:15	48.84	1109	1035	-73	1017	970	-46	1148	1180	32
24:12:30	48.88	1111	982	-129	1019	977	-42	1151	1502	351
24:12:45	49.06	1109	1058	-65	1017	1008	-23	1149	1212	49
24:13:15	49	1119	1028	-91	1026	875	-152	1159	1233	74
24:13:30	49.03	1119	1014	-107	1027	872	-156	1160	1299	138
24:13:45	49.03	1120	1024	-98	1027	891	-138	1160	1308	146
24:14:00	49.12	1121	1023	-96	1028	882	-144	1161	1458	299
24:14:15	48.83	1110	989	-124	1018	846	-175	1150	1538	386
24:14:30	48.78	1123	963	-164	1030	793	-242	1164	1655	487
24:14:45	49.14	1124	950	-172	1031	788	-242	1165	1532	369
24:15:00	48.88	1116	1030	-89	1024	781	-245	1157	1492	333
24:15:30	48.97	1120	907	-213	1027	726	-303	1160	1821	660
24:16:00	49.03	1122	864	-257	1030	640	-389	1163	1733	572
24:17:15	49.2	1215	704	-481	1114	897	-190	1258	1922	694
24:17:30	48.94	1270	810	-456	1165	978	-184	1315	1943	631
24:17:45	48.92	1318	794	-489	1209	1004	-173	1366	1981	653
24:18:45	49.16	1662	1451	-211	1525	1355	-170	1722	2353	631
24:19:00	49.14	1698	1498	-196	1558	1391	-163	1759	2338	583
24:19:15	49.14	1742	1522	-223	1598	1287	-313	1805	2349	542
24:21:15	48.94	1577	1647	70	1577	1648	71	2103	1731	-372
24:21:45	49.17	1573	1875	302	1573	1675	101	2098	1678	-419
24:22:15	48.98	1560	1662	102	1560	1696	136	2080	1681	-399
24:22:45	48.9	1542	1518	-25	1542	1677	135	2056	1612	-444
24:23:15	49.11	1492	1514	22	1492	1647	155	1989	1691	-298
24:23:30	49.2	1471	1484	12	1471	1653	182	1962	1838	-124
25:00:15	49.07	1420	1475	54	1420	1552	131	1894	1764	-130
25:00:30	48.89	1421	1533	113	1421	1549	129	1895	1708	-185
25:00:45	49.13	1438	1512	74	1438	1548	111	1917	1752	-165
25:01:00	48.82	1395	1486	91	1395	1506	111	1860	1667	-193
25:01:45	48.86	1339	1400	61	1339	1494	155	1785	1599	-187
25:02:15	48.94	1329	1336	7	1329	1460	131	1772	1504	-268
25:02:45	49.03	1339	1360	21	1339	1485	146	1786	1607	-179
25:03:00	49.17	1343	1371	28	1343	1443	100	1791	1576	-215

**Violation by Discoms at Frequency >= 49.20 Hz : September 2009**

Date / TIME	FRQ	CENTRAL DISCOM			EAST DISCOM			WEST DISCOM		
		SCH	DRL	O/D	SCH	DRL	O/D	SCH	DRL	O/D
25:05:45	49.13	1337	1246	-91	1337	1183	-155	1783	2043	260
25:06:30	49.19	1185	994	-191	1185	1193	8	1580	1922	342
25:07:15	48.83	1117	1106	-11	1117	1059	-58	1489	1654	165
25:09:15	48.88	1057	1086	29	1057	960	-97	1409	1353	-57
25:09:45	48.82	1057	1061	4	1057	793	-265	1410	1431	21
25:10:00	49.06	1064	1072	9	1064	872	-191	1418	1541	123
25:10:15	49.1	1054	1077	23	1054	938	-116	1405	1574	169
25:10:30	49.14	1053	1068	15	1053	986	-67	1404	1573	169
25:11:30	49.11	1052	938	-114	1052	976	-76	1403	1492	90
25:12:15	48.84	1038	962	-76	1038	1060	22	1384	1703	319
25:13:15	48.99	1045	959	-85	1045	1050	5	1393	1528	135
25:13:45	49	1041	982	-60	1041	1036	-5	1388	1530	141
25:14:00	49.12	1046	989	-57	1046	1036	-10	1395	1558	164
25:14:15	48.83	1049	961	-88	1049	1000	-49	1398	1504	106
25:14:30	49.02	1051	993	-58	1051	1056	5	1401	1435	34
25:14:45	49.04	1040	959	-82	1040	1058	18	1387	1440	53
25:15:00	49.07	1043	1003	-41	1043	1066	23	1391	1419	28
25:15:45	49.09	1043	892	-151	1043	1017	-26	1391	1450	59
25:16:45	49.17	1036	802	-235	1036	939	-97	1382	1802	421
25:17:45	49.19	1200	759	-429	1200	825	-363	1600	1894	311
25:18:15	49.16	1393	1230	-163	1393	1232	-162	1858	2354	496
25:18:30	49.1	1482	1525	46	1482	1348	-131	1977	2353	381
25:20:45	49.2	1654	1755	102	1654	1765	111	2205	1850	-355
25:21:15	49.17	1623	1802	179	1623	1722	98	2165	1896	-268
25:22:15	49	1600	1650	50	1600	1695	95	2133	1749	-384
25:22:30	49.19	1574	1657	83	1574	1690	117	2098	1759	-339
25:22:45	48.96	1545	1654	104	1545	1687	137	2060	1736	-331
25:23:00	49.04	1510	1713	203	1510	1548	38	2013	1832	-181
25:23:15	48.88	1513	1622	109	1513	1414	-99	2017	1857	-160
25:23:30	49.2	1493	1582	89	1493	1406	-88	1991	1881	-110
25:23:45	49.09	1498	1582	82	1498	1399	-100	1997	1811	-188
26:00:30	49	1420	1430	10	1420	1422	2	1893	1632	-261
26:00:45	49	1383	1406	23	1383	1416	33	1844	1770	-74
26:01:00	49	1387	1422	35	1387	1418	30	1850	1824	-26
26:01:15	49	1353	1410	56	1353	1404	50	1805	1628	-177
26:01:30	49	1354	1422	67	1354	1413	59	1806	1657	-149
26:01:45	49	1354	1415	61	1354	1418	64	1806	1657	-149
26:02:00	49.12	1356	1423	67	1356	1470	115	1807	1657	-150
26:03:30	49.09	1372	1471	98	1372	1327	-46	1829	1914	84
26:03:45	49.08	1373	1478	105	1373	1298	-76	1831	1657	-174
26:04:00	48.96	1373	1496	123	1373	1254	-119	1830	1657	-173
26:04:15	48.79	1370	1489	119	1370	1201	-168	1827	1657	-169
26:04:30	48.9	1370	1430	60	1370	1189	-181	1827	1657	-170
26:04:45	48.88	1369	1429	59	1369	1201	-169	1826	1657	-169
26:05:00	49.06	1370	1438	69	1370	1174	-195	1826	1657	-169
26:05:15	49.2	1372	1428	56	1372	1186	-186	1830	1657	-173
26:05:30	49.03	1341	1453	112	1341	1148	-193	1787	1556	-231
26:05:45	48.78	1340	1435	95	1340	1215	-125	1787	1556	-230
26:06:15	49.1	1294	1427	134	1294	1235	-59	1725	1431	-294
26:06:30	49.17	1233	1425	192	1233	1211	-22	1645	1306	-338
26:06:45	49.12	1208	1422	215	1208	1210	2	1610	1306	-304
26:07:15	48.89	1186	1447	241	1186	1037	-169	1581	1306	-302
26:10:15	49.2	1083	872	-211	1083	784	-300	1444	1618	174
26:11:30	49.19	1093	1286	193	1093	928	-165	1457	1621	164
26:11:45	49.15	1089	1246	157	1089	934	-156	1452	1545	93
26:12:15	49.12	1085	946	-139	1085	970	-115	1447	1562	115
26:12:30	49.12	1091	950	-141	1091	988	-103	1455	1570	115
26:13:30	49.06	1093	1097	4	1093	931	-162	1458	1572	115
26:13:45	48.92	1095	1106	12	1095	926	-169	1459	1548	89

**Violation by Discoms at Frequency >= 49.20 Hz : September 2009**

Date / TIME	FRQ	CENTRAL DISCOM			EAST DISCOM			WEST DISCOM		
		SCH	DRL	O/D	SCH	DRL	O/D	SCH	DRL	O/D
26:15:45	49.08	1052	1196	143	1052	994	-59	1403	1469	66
26:17:30	48.98	1129	1173	47	1129	906	-220	1505	1405	-97
26:17:45	49.15	1191	1185	-4	1191	923	-266	1588	1731	146
26:18:45	49.19	1567	1470	-90	1567	1394	-167	2089	2451	370
26:19:30	48.94	1632	1656	24	1632	1469	-163	2176	2389	213
26:21:00	49.14	1629	1656	27	1629	1735	105	2172	1746	-426
26:21:15	48.92	1585	1729	144	1585	1689	104	2113	1707	-406
26:21:45	49.08	1576	1750	172	1576	1680	102	2101	1688	-416
26:22:15	48.73	1535	1659	124	1535	1629	93	2047	1590	-457
26:22:30	48.86	1519	1652	134	1519	1670	152	2025	1579	-446
26:22:45	48.81	1524	1694	171	1524	1652	129	2032	1657	-375
26:23:00	49.04	1527	1773	246	1527	1676	149	2036	1674	-363
26:23:15	48.91	1514	1745	232	1514	1649	135	2018	1638	-380
26:23:30	49.11	1506	1635	128	1506	1648	142	2009	1655	-354
26:23:45	48.89	1518	1673	155	1518	1603	86	2023	1634	-389
27:00:00	49.17	1490	1698	208	1490	1649	159	1987	1622	-364
27:00:15	49.11	1476	1470	-6	1476	1564	87	1969	1388	-581
27:00:30	48.83	1436	1461	26	1436	1569	133	1914	1714	-200
27:00:45	49.02	1364	1454	90	1364	1556	193	1818	1627	-192
27:01:00	49.09	1359	1440	81	1359	1561	202	1812	1526	-287
27:01:15	48.97	1371	1457	86	1371	1505	133	1829	1495	-333
27:01:30	49.07	1370	1445	75	1370	1519	150	1826	1325	-501
27:01:45	49.06	1337	1446	108	1337	1469	131	1783	1374	-410
27:02:00	48.92	1334	1473	139	1334	1465	131	1778	1505	-274
27:02:15	49.1	1341	1432	91	1341	1409	68	1788	1621	-167
27:02:45	48.97	1328	1345	17	1328	1411	83	1770	1603	-168
27:03:00	49.03	1329	1326	-3	1329	1406	77	1772	1602	-170
27:03:15	49.02	1324	1387	63	1324	1292	-32	1765	1549	-216
27:03:30	48.85	1324	1436	112	1324	1303	-21	1766	1669	-96
27:03:45	48.95	1331	1436	104	1331	1314	-18	1775	1703	-72
27:04:00	49.2	1333	1351	18	1333	1291	-42	1777	1737	-40
27:04:15	48.87	1337	1347	10	1337	1275	-61	1782	1770	-12
27:04:30	48.75	1339	1428	89	1339	1266	-73	1785	1648	-138
27:04:45	49.05	1340	1457	117	1340	1235	-104	1787	1670	-116
27:05:00	48.88	1341	1410	69	1341	1247	-94	1788	1724	-64
27:05:15	48.81	1347	1367	20	1347	1213	-134	1796	1784	-12
27:05:30	49.09	1345	1380	35	1345	1137	-207	1793	1786	-7
27:05:45	48.76	1346	1395	49	1346	1135	-211	1795	1996	200
27:06:00	49.17	1348	1433	85	1348	1133	-215	1797	1941	144
27:06:45	49.2	1167	1266	99	1167	1080	-87	1556	1629	73
27:07:15	48.97	1186	1249	64	1186	959	-227	1581	1414	-166
27:08:30	49.1	1169	1033	-136	1169	1141	-28	1558	1774	215
27:08:45	48.82	1178	942	-236	1178	1131	-47	1571	1812	241
27:09:15	49.15	1171	1191	20	1171	1141	-30	1561	1534	-27
27:10:15	49.06	1165	1334	168	1165	985	-181	1554	1554	0
27:11:15	49.09	1156	1278	122	1156	1076	-80	1541	1394	-147
27:12:30	49.04	1182	1209	27	1182	1166	-16	1577	1453	-123
27:13:15	49.01	1200	944	-255	1200	1035	-165	1600	1710	111
27:13:45	48.98	1195	996	-199	1195	1020	-175	1593	1862	269
27:14:45	49.18	1198	994	-204	1198	1001	-197	1597	1944	347
28:00:00	49.15	1413	1446	33	1413	1595	182	1884	1494	-390
29:01:30	49.18	1279	1338	59	1279	1511	232	1705	1456	-250
29:08:45	49.15	1123	1047	-77	1123	1147	23	1498	1666	167
29:10:00	49.1	1105	1099	-5	1105	929	-176	1473	1534	61
29:10:15	49.02	1086	1180	94	1086	900	-186	1448	1445	-3
29:10:30	49.11	1078	1174	96	1078	863	-215	1438	1411	-27
29:11:15	48.87	1077	1180	104	1077	920	-157	1436	1439	3
29:11:30	49.13	1077	1105	28	1077	981	-95	1436	1517	82
29:11:45	49	1091	1212	121	1091	986	-105	1455	1397	-58

**Violation by Discoms at Frequency >= 49.20 Hz : September 2009**

Date / TIME	FRQ	CENTRAL DISCOM			EAST DISCOM			WEST DISCOM		
		SCH	DRL	O/D	SCH	DRL	O/D	SCH	DRL	O/D
29:12:15	49.18	1075	1092	17	1075	1091	16	1434	1373	-60
29:12:30	48.85	1074	1084	10	1074	1098	23	1433	1380	-53
29:14:15	48.74	1100	1022	-78	1100	992	-108	1467	1546	79
29:14:30	48.84	1102	1084	-18	1102	978	-124	1469	1593	123
29:14:45	48.91	1104	1084	-21	1104	968	-137	1473	1624	151
29:16:30	49.08	1061	979	-82	1061	792	-269	1415	1518	103
29:17:15	48.89	1095	1057	-37	1095	975	-120	1460	1521	62
29:18:15	48.98	1378	1199	-179	1378	1391	13	1838	1539	-299
29:20:15	48.82	1606	1822	216	1606	1438	-168	2141	2026	-115
29:21:45	48.88	1533	1486	-47	1533	1590	57	2043	1892	-152
29:22:00	49.06	1523	1460	-63	1523	1524	1	2031	1904	-127
29:22:15	48.94	1502	1328	-176	1502	1619	115	2003	1740	-266
29:22:30	48.88	1479	1336	-160	1479	1665	169	1972	1647	-348
29:22:45	49.05	1383	1306	-77	1383	1634	250	1844	1647	-197
29:23:15	48.86	1343	1267	-76	1343	1626	283	1791	1422	-370
29:23:30	48.94	1336	1224	-112	1336	1621	285	1781	1166	-616
29:23:45	49.07	1334	1234	-100	1334	1604	270	1778	1478	-300
30:00:15	49.17	1377	1376	-1	1377	1519	142	1836	1379	-457
30:00:30	49.07	1369	1367	-2	1369	1535	166	1825	1434	-391
30:00:45	49.15	1370	1377	7	1370	1529	160	1826	1650	-176
30:01:15	49.19	1373	1375	2	1373	1519	146	1831	1605	-226
30:01:45	49.19	1378	1363	-16	1378	1523	145	1838	1613	-224
30:02:30	48.93	1347	1330	-17	1347	1447	99	1796	1549	-247
30:02:45	49.17	1347	1339	-8	1347	1470	123	1796	1604	-192
30:03:30	49.2	1315	1322	7	1315	1232	-83	1754	1671	-83
30:03:45	49.19	1274	1329	55	1274	1178	-96	1699	1704	6
30:04:15	49.2	1279	1317	38	1279	1151	-128	1705	1744	39
30:04:30	49.2	1282	1341	59	1282	1151	-131	1710	1715	5
30:05:00	48.86	1280	1286	6	1280	1096	-184	1707	1739	32
30:05:15	49.18	1274	1064	-211	1274	1071	-204	1699	1875	176
30:05:30	48.93	1255	1039	-215	1255	1016	-238	1673	1920	247
30:05:45	48.98	1249	1100	-150	1249	1026	-224	1666	1828	162
30:06:15	49.2	1220	1062	-158	1220	1145	-76	1627	1839	212
30:06:30	49.02	1186	1072	-114	1186	1216	29	1581	1787	205
30:07:30	49.07	1194	1031	-163	1194	1229	35	1592	1505	-87
30:09:00	49.05	1176	1100	-76	1176	1100	-75	1567	1629	61
30:09:30	49.06	1111	1093	-18	1111	855	-256	1481	1544	63
30:09:45	48.97	1078	1104	25	1078	864	-215	1437	1513	74
30:10:15	49.14	1059	1085	26	1059	810	-249	1412	1363	-49
30:10:30	49.07	1065	1084	19	1065	801	-264	1419	1453	34
30:11:15	49.13	1049	1059	9	1049	957	-93	1399	1430	31
30:11:45	49.12	1073	1147	74	1073	1031	-43	1431	1406	-25
30:12:45	49.06	1086	1036	-49	1086	1121	35	1448	1404	-43
30:13:15	48.95	1090	1021	-69	1090	1078	-12	1453	1553	99
30:13:30	49.03	1114	1026	-88	1114	1070	-44	1485	1582	97
30:13:45	48.84	1108	1024	-84	1108	1049	-59	1477	1551	74
30:14:00	49	1120	1056	-64	1120	1058	-62	1493	1587	94
30:14:15	49.02	1129	1025	-105	1129	978	-152	1506	1681	176
30:14:45	48.91	1093	1097	4	1093	955	-138	1458	1426	-32
30:17:45	48.93	1197	1167	-21	1197	1101	-87	1597	1607	23
30:21:15	49.1	1650	1371	-279	1650	1784	134	2200	2138	-62
30:22:15	49.06	1537	1272	-265	1537	1668	131	2049	1780	-270
30:22:30	48.94	1523	1326	-197	1523	1777	255	2030	1710	-320
30:22:45	48.83	1481	1293	-188	1481	1780	299	1975	1660	-315
30:23:15	48.86	1430	1225	-205	1430	1777	347	1906	1465	-441
30:23:45	49.16	1420	1303	-118	1420	1748	328	1894	1448	-446

Violation by Discoms at Frequency  $\geq 49.20$  Hz : October 2009

TIME	FRQ	CENTRAL DISCOM			EAST DISCOM			WEST DISCOM		
		SCH	DRL	O/D	SCH	DRL	O/D	SCH	DRL	O/D
1:00:15	48.99	1493	1397	-96	1493	1597	104	1991	1579	-412
1:00:30	49.06	1426	1417	-9	1426	1577	150	1902	1538	-364
1:01:00	49.06	1398	1396	-3	1398	1527	129	1865	1581	-283
1:01:15	49.07	1396	1338	-58	1396	1525	129	1861	1612	-248
1:01:45	49.01	1385	1376	-10	1385	1520	134	1847	1573	-275
1:02:00	49.14	1391	1374	-17	1391	1523	132	1855	1587	-268
1:02:15	49.02	1353	1252	-101	1353	1494	141	1804	1713	-91
1:02:30	48.84	1347	1187	-160	1347	1479	132	1796	1738	-58
1:02:45	49.11	1354	1208	-146	1354	1518	164	1806	1762	-44
1:03:00	49.14	1346	1201	-145	1346	1484	138	1794	1791	-3
1:03:15	49.04	1312	1187	-125	1312	1266	-47	1750	1771	21
1:04:30	48.92	1247	1224	-23	1247	1073	-174	1663	1672	10
1:04:45	49.03	1248	1221	-27	1248	1035	-213	1664	1686	22
1:05:00	48.79	1247	1270	23	1247	990	-258	1663	1686	23
1:05:30	48.9	1254	1241	-14	1254	962	-293	1673	1699	27
1:06:15	49.17	1296	1191	-104	1296	1179	-116	1728	1829	101
1:06:30	49.08	1271	1179	-92	1271	1182	-89	1695	1774	80
1:06:45	49.06	1238	1200	-39	1238	1235	-3	1651	1762	111
1:12:15	49.15	1181	1233	52	1181	963	-218	1575	1485	-90
2:01:30	49.07	1580	1392	-188	1340	1419	79	1867	1943	75
2:02:30	49.03	1588	1353	-235	1348	1371	23	1877	1960	83
2:03:45	49.2	1545	1341	-204	1311	1290	-20	1826	2039	213
2:04:00	49.16	1552	1313	-239	1317	1197	-120	1834	2042	208
2:04:15	49.12	1539	1249	-290	1306	1130	-176	1819	2036	217
2:04:45	48.94	1496	1276	-220	1269	1147	-123	1768	2037	269
2:05:00	49.2	1508	1280	-228	1279	1130	-149	1782	2092	311
2:05:15	49.08	1490	1249	-241	1264	1024	-240	1761	2103	342
2:05:30	49.07	1486	1252	-234	1261	1002	-259	1757	2100	343
2:05:45	49.06	1458	1234	-220	1237	1019	-214	1723	2135	417
3:04:45	49.06	1316	1227	-89	1117	907	-210	1555	1679	124
3:05:15	48.85	1305	1193	-112	1107	865	-242	1543	1838	295
3:05:30	48.81	1319	1221	-98	1119	835	-284	1559	1839	280
3:12:15	49.18	1228	961	-275	1042	757	-291	1451	1851	391
3:13:30	49.14	1261	863	-397	1070	740	-329	1490	1947	457
3:19:15	49.16	1520	1449	-70	1289	1315	25	1796	1576	-219
6:18:15	49.15	1234	1299	64	1047	1044	-4	1459	1632	173
6:18:45	49.09	1406	1398	-8	1193	1106	-87	1661	1724	63
8:10:30	49.14	966	841	-125	820	802	-18	1142	1316	174
8:22:15	48.95	1446	1258	-189	1227	1290	62	1709	1304	-406
9:18:15	49.15	1297	1257	-40	1101	1115	14	1533	1577	44
10:17:30	49.15	1226	1070	-148	1040	836	-198	1449	1442	2
10:18:15	49.04	1302	1385	84	1105	1093	-11	1539	1495	-43
12:14:30	49.1	1022	873	-149	868	882	14	1208	1413	204
12:17:30	48.94	1131	947	-184	960	903	-57	1337	1520	183
13:18:00	49.08	1293	1298	5	1097	1061	-36	1529	1383	-146
20:08:00	47.95	1289	1202	-87	1094	1101	7	1524	1501	-23
20:12:30	49.16	1129	962	-167	958	1045	87	1334	1626	292
20:18:15	49.1	1462	1418	-25	1240	1210	-14	1728	1758	53
21:04:30	49.18	1388	1313	-75	1178	1001	-177	1640	1685	45
21:05:45	49.2	1347	1300	-47	1143	935	-208	1591	1840	248
21:10:15	49.2	1199	1077	-122	1018	870	-148	1417	1756	339
22:09:15	49.2	1215	1026	-189	1031	1071	40	1436	1641	205
22:10:15	49.17	1208	1123	-85	1025	998	-26	1427	1572	145
22:11:15	48.98	1188	1210	22	1008	973	-35	1404	1550	146
22:18:15	49.19	1557	1429	-127	1321	1271	-50	1840	1927	88
23:09:15	49.1	1291	1211	-81	1096	1030	-66	1526	1603	77
24:07:00	49.19	1377	1398	20	1169	1030	-139	1628	1920	292
24:10:15	49.19	1257	1188	-69	1066	873	-193	1485	1730	244

Violation by Discoms at Frequency  $\geq 49.20$  Hz : October 2009

TIME	FRQ	CENTRAL DISCOM			EAST DISCOM			WEST DISCOM		
		SCH	DRL	O/D	SCH	DRL	O/D	SCH	DRL	O/D
24:18:30	49.13	1645	1505	-139	1396	1195	-201	1944	2008	64
26:05:45	49.09	1442	1223	-217	1223	894	-328	1704	2168	466
26:06:15	49.16	1384	1328	-56	1174	1119	-55	1636	1838	202
26:06:45	49.05	1442	1409	-34	1223	1206	-17	1704	1849	145
26:08:30	49.18	1443	1206	-237	1224	1127	-97	1706	1862	156
26:08:45	49.11	1443	1134	-309	1224	1191	-33	1705	1860	155
26:09:15	48.85	1336	1040	-295	1133	1145	12	1579	1846	267
26:09:30	49.13	1351	1130	-221	1146	1175	28	1597	1772	175
26:10:30	49.08	1297	1056	-241	1101	999	-102	1533	1709	176
26:10:45	49.13	1317	1042	-274	1117	1059	-58	1556	1887	331
26:11:00	49.14	1320	1082	-238	1120	1053	-67	1560	1757	197
26:11:15	48.92	1321	1067	-254	1121	1070	-51	1561	1705	144
26:11:30	48.97	1326	1101	-225	1125	1067	-58	1568	1701	133
26:11:45	49.07	1333	1093	-240	1131	1064	-67	1575	1659	84
26:12:30	49.05	1286	1060	-226	1091	883	-208	1520	1846	326
26:13:15	49.03	1310	1097	-213	1111	826	-285	1548	1744	196
26:13:30	49.06	1328	1080	-249	1127	929	-198	1570	1842	272
26:13:45	48.95	1325	1110	-215	1124	938	-186	1566	1847	281
26:14:00	49.12	1328	1067	-262	1127	914	-213	1570	1869	299
26:14:15	48.93	1343	1045	-298	1139	752	-388	1587	2014	427
26:14:30	49.2	1344	1071	-273	1140	811	-330	1589	2140	551
26:14:45	48.91	1346	1123	-223	1142	805	-338	1591	2069	478
26:15:30	48.96	1340	1116	-224	1137	801	-336	1583	2047	464
26:16:00	49.08	1357	1209	-147	1151	829	-322	1603	2048	444
26:16:30	49.05	1357	1218	-138	1151	837	-314	1603	1840	237
26:16:45	49.12	1358	1247	-111	1152	871	-281	1605	1897	292
26:17:00	49.18	1346	1240	-106	1142	890	-253	1591	1906	315
26:17:15	49.18	1397	1332	-47	1186	829	-341	1652	1961	331
26:17:45	49.18	1422	1459	54	1206	961	-231	1680	1976	316
26:18:15	49.11	1612	1502	-110	1367	1219	-149	1905	2075	170
26:19:45	49.03	1687	1573	-114	1431	1438	7	1993	1886	-107
27:05:30	49.18	1506	1335	-171	1278	933	-345	1780	2212	432
27:05:45	48.99	1504	1329	-175	1276	930	-345	1777	2260	483
27:06:00	48.94	1502	1332	-170	1274	930	-344	1775	2163	388
27:06:15	49.2	1498	1334	-164	1271	1174	-97	1771	1895	124
27:06:30	49.14	1489	1395	-94	1263	1211	-52	1759	1823	64
27:06:45	49.18	1491	1433	-57	1265	1216	-49	1762	1867	106
27:10:15	49.13	1342	1189	-153	1138	994	-144	1586	1987	402
28:06:30	48.99	1506	1423	-83	1278	1142	-136	1780	1891	110
28:06:45	49.1	1516	1436	-80	1287	1182	-104	1792	1945	153
28:08:15	49.15	1487	1357	-130	1262	1171	-91	1757	1923	166
28:09:15	48.96	1385	1185	-200	1175	1167	-8	1637	1693	56
28:09:30	49.1	1370	1192	-178	1163	1179	16	1620	1778	159
28:10:00	49.16	1376	1228	-148	1168	1216	48	1627	1751	124
28:11:30	49.2	1349	1125	-224	1144	1080	-65	1594	1784	190
28:12:45	49.06	1309	1124	-185	1111	933	-178	1548	1871	324
28:14:45	49.14	1309	1125	-184	1111	905	-206	1547	1834	287
28:15:30	49.17	1285	1170	-115	1090	891	-199	1518	1781	263
28:17:30	49.16	1388	1431	43	1178	808	-369	1640	1979	338
29:09:15	49.11	1457	1280	-176	1236	1276	40	1721	1741	19
29:11:15	49.19	1441	1126	-315	1222	1232	10	1703	2073	371
29:22:15	49.16	1649	1573	-76	1399	1499	100	1949	1913	-35
30:09:15	49.17	1421	1338	-83	1206	1316	110	1680	1649	-31
30:10:15	49.17	1408	1323	-84	1194	1170	-24	1664	1696	32
31:09:30	49.17	1374	1383	9	1166	1223	57	1624	1614	-10



### Voltage Profile During the Month of September 2009

Date	Indore		Itarsi		Bina		Gwalior		Nagda	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	419	396	426	406	419	400	423	389	426	403
2	414	388	420	399	412	388	417	381	423	397
3	416	395	426	406	419	400	423	389	424	404
4	418	397	427	410	424	405	426	392	426	404
5	417	399	426	410	419	403	420	390	427	408
6	414	398	421	411	419	399	423	385	421	407
7	413	387	420	399	413	395	414	382	421	396
8	413	390	423	403	417	395	415	391	422	398
9	413	394	428	409	421	401	420	407	422	403
10	417	394	428	404	426	402	427	394	427	403
11	415	393	426	406	423	403	429	405	426	402
12	416	390	427	403	425	399	432	395	426	399
13	416	390	427	403	426	404	428	407	426	399
14	408	389	418	399	412	392	420	396	418	395
15	412	398	426	410	419	401	428	396	420	405
16	414	397	426	415	417	395	421	390	422	403
17	414	399	424	408	414	399	416	385	423	407
18	413	406	421	409	413	400	412	388	424	410
19	414	396	422	406	416	392	415	382	423	405
20	419	400	425	409	421	399	420	390	428	407
21	417	400	423	407	415	385	414	381	424	404
22	415	396	423	407	416	392	415	396	424	402
23	412	393	422	399	413	385	414	379	421	399
24	415	388	424	399	415	397	412	384	423	394
25	417	386	424	398	416	393	413	371	423	393
26	416	395	424	403	417	399	414	378	425	403
27	419	399	426	409	417	398	407	364	426	406
28	417	399	426	411	417	398	407	364	426	404
29	414	389	421	400	415	385	420	366	422	394
30	419	389	417	398	403	381	405	357	416	393
<b>Max / Min</b>	<b>419</b>	<b>386</b>	<b>428</b>	<b>398</b>	<b>426</b>	<b>381</b>	<b>432</b>	<b>357</b>	<b>428</b>	<b>393</b>

### Voltage Profile During the Month of October 2009

Date	Indore		Itarsi		Bina		Gwalior		Nagda	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	413	393	420	404	407	390	397	355	421	399
2	413	394	422	403	412	376	412	355	419	400
3	419	387	426	396	419	377	416	362	426	393
4	422	399	424	406	416	400	419	379	426	406
5	419	394	423	403	422	400	423	384	424	400
6	418	400	424	406	419	402	423	390	426	406
7	417	398	424	406	418	406	420	389	424	406
8	418	401	424	409	418	394	418	387	424	406
9	419	396	424	403	418	394	418	387	425	401
10	420	396	423	402	418	393	417	377	426	400
11	419	394	425	401	417	396	422	389	425	399
12	419	384	428	394	421	380	422	372	426	388
13	419	397	427	406	422	389	421	371	426	402
14	417	395	427	406	417	399	419	387	423	400
15	417	397	427	409	417	396	420	387	424	402
16	419	400	428	410	417	400	415	386	424	404
17	418	402	427	409	421	397	418	387	426	407
18	420	404	427	414	424	404	428	398	427	407
19	420	411	428	416	424	420	427	400	427	414
20	421	400	425	409	421	397	427	392	428	404
21	420	399	424	406	416	389	424	381	427	400
22	419	395	424	403	419	400	421	386	427	399
23	419	393	424	401	416	392	418	380	427	399
24	421	398	425	405	419	394	426	382	428	400
25	420	393	426	406	422	394	426	349	426	393
26	419	392	424	404	415	397	411	362	424	393
27	417	395	424	399	414	386	419	381	422	397
28	419	397	423	404	414	391	418	376	424	400
29	420	389	425	400	417	393	419	373	428	395
30	419	401	425	406	419	395	422	377	426	401
31	417	394	422	403	415	393	420	387	424	396
<b>Max</b>	<b>422</b>	<b>384</b>	<b>428</b>	<b>394</b>	<b>424</b>	<b>376</b>	<b>428</b>	<b>349</b>	<b>428</b>	<b>388</b>

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

<b>Month : September-2009</b>					<b>Month : October 2009</b>			
<b>Date</b>	<b>U/F 48.8 Hz</b>		<b>Df/Dt</b>		<b>U/F 48.8 Hz</b>		<b>Df/Dt</b>	
	<b>No.of Occasion</b>	<b>MAX LOAD RELIEF IN MW</b>	<b>No.of Occasion</b>	<b>MAX LOAD RELIEF IN MW</b>	<b>No.of Occasion</b>	<b>MAX LOAD RELIEF IN MW</b>	<b>No.of Occasion</b>	<b>MAX LOAD RELIEF IN MW</b>
1	0	0.0	0	0.0	5	94.5	0	0.0
2	1	60.4	0	0.0	0	0.0	0	0.0
3	0	0.0	0	0.0	4	81.3	0	0.0
4	0	0.0	0	0.0	0	0.0	0	0.0
5	0	0.0	0	0.0	0	0.0	0	0.0
6	0	0.0	0	0.0	0	0.0	0	0.0
7	1	66.1	0	0.0	0	0.0	0	0.0
8	3	21.4	0	0.0	0	0.0	0	0.0
9	0	0.0	0	0.0	0	0.0	0	0.0
10	0	0.0	0	0.0	0	0.0	0	0.0
11	0	0.0	0	0.0	0	0.0	0	0.0
12	0	0.0	0	0.0	0	0.0	0	0.0
13	1	75.0	0	0.0	11	54.3	0	0.0
14	0	0.0	0	0.0	0	0.0	0	0.0
15	0	0.0	0	0.0	0	0.0	0	0.0
16	1	94.4	0	0.0	0	0.0	0	0.0
17	0	0.0	0	0.0	0	0.0	0	0.0
18	0	0.0	0	0.0	0	0.0	0	0.0
19	2	119.4	0	0.0	0	0.0	0	0.0
20	0	0.0	0	0.0	0	0.0	0	0.0
21	2	235.6	0	0.0	0	0.0	0	0.0
22	6	14.1	0	0.0	0	0.0	0	0.0
23	10	111.2	0	0.0	0	0.0	0	0.0
24	2	115.5	0	0.0	1	173.4	0	0.0
25	1	2.0	0	0.0	0	0.0	0	0.0
26	12	266.0	0	0.0	7	198.5	0	0.0
27	7	57.0	0	0.0	0	0.0	0	0.0
28	0	0.0	0	0.0	0	0.0	0	0.0
29	9	118.6	0	0.0	0	0.0	0	0.0
30	6	207.2	0	0.0	0	0.0	0	0.0
31					1	31.0	0	0
<b>TOTAL</b>	<b>64</b>	<b>266.00</b>	<b>0</b>	<b>0.00</b>	<b>29</b>	<b>198.50</b>	<b>0</b>	<b>0.00</b>

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

### Discoms wise Average Supply Hours

PARTICULARS	East Zone		Central Zone		West Zone		MP	
	Sep-09	Oct-09	Sep-09	Oct-09	Sep-09	Oct-09	Sep-09	Oct-09
Commissinary HQ	23:23	23:40	23:30	23:45	23:23	23:45	23:42	23:25
District HQ	22:22	22:23	22:32	23:25	21:47	22:10	22:38	22:12
Tehsil HQ	17:55	16:09	18:37	17:07	17:49	17:56	16:58	18:08
Rural -3Phase	8:24	9:52	8:26	10:19	8:01	8:53	9:45	8:19
Rural -1Phase	7:27	3:19	7:39	3:33	7:44	3:39	3:30	7:36
Total Rural	15:51	13:11	16:05	13:52	15:45	12:32	13:15	15:55

### Anticipated Average Availability at MP Periphery: 2009-10

Figures in MW

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)	1674	1674	1674	1674	1245	1920	1920	1920	1920	1382	1957	1957	1957	1957	1456
Hydel	240	60	30	480	151	240	110	40	410	144	240	70	20	475	150
CSS	1606	1606	1606	1606	1195	1581	1581	1581	1581	1139	1530	1530	1530	1530	1138
ISP	500	330	230	430	277	590	100	100	600	250	550	100	100	600	251
SSP	200	150	150	450	177	200	150	100	450	162	200	110	110	450	162
Omkareshwar	150	150	150	200	121	130	100	100	300	113	100	150	150	200	112
DVC	75	75	75	75	56	75	75	75	75	54	75	75	75	75	56
<b>Total</b>	<b>4445</b>	<b>4045</b>	<b>3915</b>	<b>4915</b>	<b>3221</b>	<b>4736</b>	<b>4036</b>	<b>3916</b>	<b>5336</b>	<b>3245</b>	<b>4652</b>	<b>3992</b>	<b>3942</b>	<b>5287</b>	<b>3324</b>
<b>Avg Unres. Demand</b>	<b>5200</b>	<b>5000</b>	<b>5000</b>	<b>5800</b>		<b>6500</b>	<b>6300</b>	<b>6000</b>	<b>7000</b>		<b>6600</b>	<b>6500</b>	<b>6200</b>	<b>7100</b>	
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)	1993	1993	1993	1993	1483	1975	1975	1975	1975	1327	1975	1975	1975	1975	1469
Hydel	30	0	10	420	86	0	0	10	330	57	0	0	10	310	60
CSS	1651	1651	1651	1651	1228	1567	1567	1567	1567	1053	1646	1646	1646	1646	1225
ISP	500	0	0	580	201	500	140	0	400	175	200	150	150	150	121
SSP	200	30	30	450	132	200	30	0	450	114	170	0	0	250	78
Omkareshwar	100	90	90	200	89	130	50	50	230	77	90	50	50	100	54
DVC	75	75	75	75	56	75	75	75	75	50	75	75	75	75	56
<b>Total</b>	<b>4549</b>	<b>3839</b>	<b>3849</b>	<b>5369</b>	<b>3275</b>	<b>4447</b>	<b>3837</b>	<b>3677</b>	<b>5027</b>	<b>2854</b>	<b>4156</b>	<b>3896</b>	<b>3906</b>	<b>4506</b>	<b>3062</b>
<b>Avg Unres. Demand</b>	<b>6400</b>	<b>6300</b>	<b>5900</b>	<b>6900</b>		<b>5800</b>	<b>5700</b>	<b>5400</b>	<b>6400</b>		<b>5200</b>	<b>5000</b>	<b>4800</b>	<b>5800</b>	

#### Basis of Anticipated Availability for 2009-2010

- 1 Central Sector :- Computed on the basis of EX-Bus Generation Availability (Excluding Auxiliary Cons.) furnished by WRPC & deducting WR Losses (4%)
- 2 Thermal :- As furnished by O&M : Generation, MPPGCL. & excluding Aux. Cons.
- 3 Hydel :- As per actual Availability of Water
- 4 ISP,OSP and SSP : As furnished by NHDC
- 5 DVC : Considering Availability of two units i.e. unit 5 & 6 as informed by MP Tradeco.
- 6 Lanco Amarkantak : not Considered as informed by MP Tradeco

TENTATIVE MAINTENANCE PROGRAMME OF MPPGCL THERMAL UNITS FOR THE YEAR 2009-2010 R-06																							30-Sep-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	01-Feb-10	19-Jun-10													138	C.O.H. R&M										
AM-II	4	26-Jul-09	15-Jan-10													173	C.O.H. R&M										
AMK EXT	5																										
STP-I	1	03-Jun-09	05-Jul-09													32	A.O.H.										
STP-I	2	11-Sep-09	04-Oct-09													25	A.O.H.										
STP-I	3	15-Jul-09	08-Aug-09													25	A.O.H.										
STP-I	4	Deferred														1	A.O.H.										
STP-I	5	Deferred														1	A.O.H.										
STP-II	6	01-May-09	11-Jun-09													41	C.O.H. Gen.X <sup>mer</sup> & TG Works										
STP-II	7	07-Sep-09	29-Sep-09													21	A.O.H.										
STP-III	8	15-Jun-09	11-Jul-09													27	A.O.H.										
STP-III	9	25-Jun-09	27-Jul-09													32	A.O.H.										
SGTIPS - I	1	10-Oct-09	08-Nov-09													21	A.O.H.										
SGTIPS - I	2	14-Sep-09	24-Oct-09													36	A.O.H. HPH REPLACE										
SGTIPS - II	3	27-Jun-09	30-Jul-09													34	A.O.H.										
SGTIPS - II	4 *	04-Sep-09	11-Oct-09													36	A.O.H.										
SGTIPS - III	5	02-Aug-09	01-Sep-09													31	A.O.H.										
Capacity under Planned Maintenance				0	0	200	200	242	413	651	523	495	620	518	813	692	330	120	120	120	120	0	120	120	120	120	
PLANNED MAINTENANCE %				0	0	9	9	11	18	29	23	22	27	23	36	30	15	5	5	0	5	5	0	5	5	5	4
AVAILABLE CAPACITY ON BARS AFTER PLANNED MAINTENANCE				2933	2933	2733	2733	2691	2520	2282	2410	2438	2313	2415	2120	2241	2603	2813	2813	2813	2813	2813	2933	2813	2813	2813	2813
THERMAL AVAILABILITY AFTER CONSIDERING FORCED & PARTIAL OUTAGES IN MW INCLUDING AUX. CONSUMPTION				2079	1737	1461	1405	1528	1508	1900	2100	2100	2100	2100	2100	2100	2100										
					A.O.H.		C.O.H.		Completed		In Progress																

\* 35 Days time due to major damage found in boiler

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

<b>Unitwise / Stationwise Genration in MU</b>				
<b>A. Thermal</b>				
Stn. Name	UNIT No.	Capacity MW	Sep '09	Oct '09
<b>AMARKANTAK</b>	3	120	50.137	50.19
	4	120	0	0.00
	<b>PH II</b>	<b>240</b>	<b>50.137</b>	<b>50.19</b>
	<b>PH III</b>	<b>210</b>	<b>120.319</b>	<b>132.00</b>
	<b>TOT</b>	<b>450</b>	<b>170.456</b>	<b>182.18</b>
<b>SATPURA</b>	1	62.5	30.676	34.14
	2	62.5	11.397	18.73
	3	62.5	31.038	38.04
	4	62.5	29.482	31.25
	5	62.5	31.741	35.55
	<b>PH I</b>	<b>312.5</b>	<b>134.334</b>	<b>157.70</b>
	6	200	122.125	123.28
	7	210	27.27	124.19
	<b>PH II</b>	<b>410</b>	<b>149.395</b>	<b>247.46</b>
	8	210	120.185	112.02
	9	210	121.035	129.23
<b>PH III</b>	<b>420</b>	<b>241.22</b>	<b>241.25</b>	
<b>TOT</b>	<b>1142.5</b>	<b>524.949</b>	<b>646.41</b>	
<b>SANJAY GANDHI</b>	1	210	57.581	29.80
	2	210	28.678	16.81
	<b>PH I</b>	<b>420</b>	<b>86.259</b>	<b>46.61</b>
	3	210	84.581	113.36
	4	210	12.455	82.97
	<b>PH II</b>	<b>420</b>	<b>97.036</b>	<b>196.33</b>
	<b>PH III</b>	<b>500</b>	<b>222.976</b>	<b>328.89</b>
	<b>TOT</b>	<b>1340</b>	<b>406.27</b>	<b>571.83</b>
<b>MPPGCL THERMAL</b>		<b>2932.5</b>	<b>1101.68</b>	<b>1400.43</b>
AMARKANTAK POWER HOUSE-I RETIRED FROM SERVICE WEF 01.04.2009				
<b>B. Hydel</b>				
Station Name	Capacity MW	Sep '09	Oct '09	
GANDHISAGAR	115.0	10.49	5.47	
R.P.SAGAR	172.0	0.00	16.79	
J.SAGAR	99.0	1.57	11.63	
CHAMBAL	386.0	12.06	33.88	
M.P.CHAMBAL	193.0	6.03	16.94	
PENCH	160.0	55.20	72.88	
M.P.PENCH	107.0	36.80	48.59	
BARGI	90.0	8.27	5.81	
TONS	315.0	67.72	66.85	
BIRSINGHPUR	20.0	4.98	1.11	
B.SGR(DEOLONDH)	60.0	9.41	16.16	
B.SGR(SILPARA)	30.0	3.46	5.04	
RAJGHAT	45.0	0.00	15.17	
M.P.RAJGHAT	22.5	0.00	7.59	
B.SGR(JINHA)	20.0	0.00	1.22	
MADIKHEDA	60.0	2.40	4.37	
TOTAL HYDEL	1186.0	218.41	161.11	
M.P.P.GCL Hydel	915.0	161.94	159.54	
MPSEB HYDEL	917.5	139.08	136.68	
<b>B. NHDC</b>				
Indira Sagar Hydel Project	1000	357.61	169.02	
Omkareshwar Hydel Project	520	136.63	69.00	



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

S.No.	Particulars	Sep-09	Oct-09
1	MPSEB Thermal Availability	947.58	1218.37
2	MPSEB Hydel Availability	140.22	172.45
3	Indira Sagar	357.48	169.07
4	Omkareshwar	136.63	69.00
5	Schedule / Drawal From Central Sector	1190.26	1318.66
6	Schedule of DVC	25.45	30.91
7	Schedule og Rhand+Matatila	5.70	12.30
8	Sardar Sarovar	361.95	128.50
9	Additional Power Purchase	0.00	0.00
10	Sale of Power	-19.76	0.00
11	Banking of Power	-219.59	51.09
12	Energy Exchange	0.00	0.00
13	Unschedule Interchange	-215.38	-113.52
14	Excess Drawal From Chambal-Satpura	40.94	36.07
15	Excess Drawal From Rajghat	5.00	7.37
16	Other Imp / Exp	42.24	31.46
<b>17</b>	<b>Total MPSEB Supply excl. Aux. Cons.</b>	<b>2798.73</b>	<b>3131.72</b>
18	Average Supply per Day	93.29	101.02
19	Maximum Daily M.P. Supply	104.87	120.00
20	Minimum Daily M.P. Supply	93.29	79.56
21	Registered Demand : MW	6055	5983
22	Morning Peak : MW	4563	5240
23	Eveninig Peak : MW	6055	5983
24	Unrestricted Demand : MW	6686	6761

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

**FIGURES IN MW**

Hrs.	FREQ.	Own Generation							Schedule from													Tot Avl.	Act. Drl	UI	Other 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	DV/ER	SSP	SEZ	Banking	Sale	Pur	Exchange	STOA	Trans Ind+Mata	Total	SCH	UNSCH						TOTAL				
1:00	47.98	1450	1305	188	522	207	32	2254	1552	34	467	9	-211	-20	0	0	-32	7	1804	4058	1715	-89	-54	3969	0	295	295	4548	4548		
2:00	48.12	1448	1303	179	495	206	32	2214	1557	34	460	9	-211	-20	0	0	-32	7	1803	4017	1693	-109	-54	3908	0	302	302	4475	4475		
3:00	48.12	1440	1296	174	497	203	33	2202	1557	34	457	9	-211	-20	0	0	-33	7	1799	4001	1664	-135	-54	3866	0	293	293	4424	4424		
4:00	48.08	1435	1292	172	485	201	32	2183	1563	34	457	9	-211	-21	0	0	-32	7	1805	3988	1669	-136	-54	3852	0	262	262	4384	4384		
5:00	47.95	1447	1303	175	474	201	32	2184	1560	34	457	9	-211	-17	0	0	-32	7	1805	3989	1537	-268	-54	3721	0	265	265	4275	4275		
6:00	48.13	1476	1328	181	457	191	34	2192	1555	34	463	9	-211	-25	0	0	-34	7	1798	3990	1459	-339	-54	3651	0	248	248	4162	4162		
7:00	48.14	1502	1351	168	386	166	32	2103	1530	34	374	9	-233	-35	0	0	-32	7	1653	3757	1375	-279	-54	3478	299	0	299	3740	4039		
8:00	48.27	1501	1351	157	392	160	33	2093	1527	34	380	9	-233	-31	0	0	-33	7	1659	3753	1313	-346	-54	3407	302	0	302	3651	3953		
9:00	48.12	1495	1345	139	392	159	37	2072	1522	34	380	9	-245	-29	0	0	-37	7	1640	3713	1287	-353	-54	3359	328	0	328	3624	3952		
10:00	48.09	1498	1348	142	394	159	40	2082	1505	32	380	9	-388	-27	0	0	-40	7	1479	3561	1198	-281	-54	3280	330	0	330	3550	3880		
11:00	48.05	1486	1337	147	394	160	42	2081	1502	32	380	9	-411	-25	0	0	-42	7	1452	3533	1120	-332	-54	3201	377	0	377	3476	3852		
12:00	48.04	1468	1321	153	371	159	41	2044	1497	32	380	9	-411	-32	0	0	-41	7	1442	3486	1111	-331	-54	3155	486	0	486	3432	3917		
13:00	48.14	1466	1320	155	403	166	43	2087	1512	32	384	8	-411	-26	0	0	-43	7	1463	3550	1107	-357	-54	3193	501	0	501	3455	3956		
14:00	47.92	1472	1325	161	407	168	42	2102	1515	32	384	9	-411	-28	0	0	-42	7	1466	3569	1078	-388	-54	3180	458	0	458	3474	3932		
15:00	48.03	1470	1323	153	408	166	42	2092	1516	32	380	9	-409	-30	0	0	-42	7	1463	3555	1078	-385	-54	3170	449	0	449	3447	3896		
16:00	48.10	1473	1325	145	420	167	40	2097	1504	32	393	8	-419	-24	0	0	-40	7	1462	3559	1075	-387	-54	3172	386	0	386	3440	3826		
17:00	48.17	1486	1337	139	427	170	41	2113	1509	32	393	9	-419	-24	0	0	-41	7	1466	3580	1111	-355	-54	3225	292	0	292	3482	3774		
18:00	48.19	1493	1343	205	487	192	38	2265	1512	32	393	9	-364	-3	0	0	-38	7	1547	3813	1280	-268	-54	3545	276	0	276	3801	4077		
19:00	47.91	1505	1354	361	664	212	43	2634	1507	32	540	8	-244	-11	0	0	-43	7	1796	4431	1689	-108	-54	4323	640	0	640	4618	5257		
20:00	48.03	1515	1363	398	676	222	50	2709	1502	32	586	8	-243	-62	0	0	-50	7	1781	4490	1683	-98	-54	4392	744	0	744	4669	5413		
21:00	47.96	1527	1374	385	663	226	49	2697	1499	32	580	8	-243	-57	0	0	-49	7	1777	4473	1678	-98	-54	4375	789	0	789	4662	5452		
22:00	48.00	1503	1353	299	630	219	49	2551	1505	32	580	8	-242	-38	0	0	-49	7	1802	4353	1736	-67	-54	4287	777	0	777	4569	5346		
23:00	47.98	1483	1335	252	613	221	47	2467	1524	32	580	8	-249	-29	0	0	-47	7	1826	4293	1714	-112	-54	4181	695	0	695	4466	5162		
24:00	48.02	1475	1328	205	578	218	35	2363	1530	32	564	8	-248	-2	0	0	-35	7	1856	4219	1675	-181	-54	4038	576	0	576	4317	4892		
<b>Avg.</b>	<b>48.06</b>	<b>1480</b>	<b>1332</b>	<b>201</b>	<b>485</b>	<b>188</b>	<b>39</b>	<b>2245</b>	<b>1523</b>	<b>33</b>	<b>450</b>	<b>9</b>	<b>-295</b>	<b>-27</b>	<b>0</b>	<b>0</b>	<b>-39</b>	<b>7</b>	<b>1653</b>	<b>3905</b>	<b>1419</b>	<b>-242</b>	<b>-54</b>	<b>3664</b>	<b>363</b>	<b>69</b>	<b>432</b>	<b>4006</b>	<b>4369</b>		
<b>00 TO 06 HRS.</b>	48.06	1449	1304	178	488	201	32	2205	1557	34	460	9	-211	-21	0	0	-32	7	1802	4007	1623	-179	-54	3828	0	277	277	4378	4378		
<b>06 TO 12 HRS.</b>	48.12	1492	1342	151	388	160	37	2079	1514	33	379	9	-320	-30	0	0	-37	7	1554	3634	1234	-320	-54	3313	353	0	353	3579	3932		
<b>12 TO 18 HRS.</b>	48.09	1477	1329	160	425	171	41	2126	1511	32	388	8	-405	-23	0	0	-41	7	1478	3604	1121	-357	-54	3247	394	0	394	3517	3910		
<b>06 TO 18 HRS.</b>	48.10	1484	1336	155	407	166	39	2103	1513	33	384	9	-363	-26	0	0	-39	7	1516	3619	1178	-339	-54	3280	374	0	374	3548	3921		
<b>18 TO 24 HRS.</b>	47.98	1501	1351	317	637	220	45	2570	1511	32	571	8	-245	-33	0	0	-45	7	1806	4376	1696	-111	-54	4266	703	0	703	4550	5254		

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

**FIGURES IN MW**

Hrs.	FREQ.	Own Generation							Schedule from													Tot Avl.	Act. Drl	UI	Other Imp/Exp	DEMAND MET	Load Shedding			REST. DEMAND	UNRES. DEMAND
		THER. Incl Aux	THER. Excl Aux	HYD.	ISP	OSP	Injection from STOA	Total	CSS	DVC ER	SSP	SEZ	Banking	Sale	Pur	Exchange	STOA	Trans Ind+Mata	Total	SCH	UNSCH						TOTAL				
1:00	49.66	1896	1706	199	233	108	44	2290	1693	40	124	9	283	0	0	0	-44	16	2119	4409	2091	-29	0	4380	412	144	557	4573	4986		
2:00	49.74	1890	1701	207	225	96	42	2271	1694	40	110	9	283	0	0	0	-42	16	2110	4381	2080	-30	0	4351	426	144	570	4531	4957		
3:00	49.81	1882	1694	194	221	93	40	2242	1691	40	110	9	284	0	0	0	-40	16	2110	4352	2035	-75	0	4277	420	139	559	4442	4862		
4:00	49.76	1876	1688	168	197	87	44	2183	1695	40	110	9	286	0	0	0	-44	16	2112	4295	1943	-169	0	4126	430	153	583	4314	4743		
5:00	49.65	1872	1685	153	193	83	44	2158	1684	40	107	9	286	0	0	0	-44	16	2097	4255	1937	-160	0	4095	424	154	579	4299	4723		
6:00	49.61	1888	1699	175	181	83	48	2187	1686	40	104	9	269	0	0	0	-48	16	2074	4261	1906	-168	0	4093	419	134	553	4282	4700		
7:00	49.68	1909	1718	168	161	82	49	2177	1678	40	74	9	215	0	0	0	-49	16	1982	4159	1793	-189	0	3970	560	0	560	4015	4575		
8:00	49.82	1912	1721	150	149	78	51	2149	1679	40	74	9	215	0	0	0	-51	16	1981	4130	1772	-209	0	3921	590	0	590	3947	4537		
9:00	49.70	1899	1709	155	141	77	51	2133	1684	40	77	9	153	0	0	0	-51	16	1928	4060	1679	-249	0	3811	611	0	611	3853	4464		
10:00	49.67	1884	1695	161	141	75	51	2123	1678	40	77	9	-116	0	0	0	-51	16	1652	3775	1592	-60	0	3715	675	0	675	3762	4437		
11:00	49.65	1850	1665	187	141	75	50	2119	1669	40	65	9	-116	0	0	0	-50	16	1632	3750	1590	-42	0	3709	702	0	702	3758	4460		
12:00	49.75	1854	1668	183	121	70	48	2091	1667	40	65	9	-116	0	0	0	-48	16	1632	3723	1508	-124	0	3599	810	0	810	3634	4444		
13:00	49.78	1863	1677	166	113	70	49	2075	1655	40	68	9	-113	0	0	0	-49	16	1626	3701	1495	-130	0	3571	922	0	922	3602	4524		
14:00	49.66	1869	1682	157	117	70	50	2076	1653	40	65	9	-113	0	0	0	-50	16	1619	3694	1449	-170	0	3524	908	0	908	3573	4481		
15:00	49.70	1853	1667	159	124	70	52	2073	1650	40	65	9	-110	0	0	0	-52	16	1617	3690	1442	-175	0	3515	808	0	808	3557	4365		
16:00	49.69	1850	1665	159	136	65	53	2079	1649	40	65	9	-110	0	0	0	-53	16	1615	3693	1413	-201	0	3492	716	0	716	3536	4252		
17:00	49.67	1843	1659	168	144	67	51	2089	1655	40	65	9	-111	0	0	0	-51	16	1622	3711	1458	-164	0	3547	588	0	588	3593	4181		
18:00	49.67	1848	1663	365	347	102	51	2528	1663	37	78	9	-70	0	0	0	-51	16	1682	4210	1608	-73	0	4136	554	0	554	4184	4738		
19:00	49.74	1878	1690	528	529	144	55	2946	1661	38	400	9	0	0	0	0	-55	16	2069	5015	1884	-185	0	4830	895	0	895	4866	5761		
20:00	49.78	1916	1725	476	505	156	58	2919	1663	38	440	9	0	0	0	0	-58	16	2107	5026	1980	-127	0	4899	832	0	832	4930	5761		
21:00	49.79	1913	1722	445	459	154	56	2836	1664	39	427	9	0	0	0	0	-56	16	2097	4933	2045	-52	0	4881	798	0	798	4911	5708		
22:00	49.75	1917	1726	336	405	143	55	2664	1665	39	394	9	2	0	0	0	-55	16	2070	4734	1984	-85	0	4649	921	0	921	4684	5605		
23:00	49.81	1900	1710	276	345	134	56	2521	1678	39	374	9	34	0	0	0	-56	16	2094	4614	1816	-278	0	4336	975	0	975	4363	5338		
24:00	49.85	1898	1708	213	241	119	44	2324	1678	39	298	9	47	0	0	0	-44	16	2043	4367	1919	-124	0	4244	840	0	840	4265	5105		
<b>Avg.</b>	<b>49.72</b>	<b>1882</b>	<b>1693</b>	<b>231</b>	<b>232</b>	<b>96</b>	<b>50</b>	<b>2302</b>	<b>1672</b>	<b>39</b>	<b>160</b>	<b>9</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-50</b>	<b>16</b>	<b>1888</b>	<b>4206</b>	<b>1767</b>	<b>-136</b>	<b>0</b>	<b>4070</b>	<b>676</b>	<b>36</b>	<b>713</b>	<b>4145</b>	<b>4821</b>		
<b>00 TO 06 HRS.</b>	49.70	1884	1695	183	208	92	44	2222	1691	40	111	9	282	0	0	0	-44	16	2104	4326	1998	-105	0	4220	422	145	567	4407	4829		
<b>06 TO 12 HRS.</b>	49.71	1885	1696	167	142	76	50	2132	1676	40	72	9	39	0	0	0	-50	16	1801	3933	1656	-146	0	3787	658	0	658	3828	4486		
<b>12 TO 18 HRS.</b>	49.69	1854	1669	196	164	74	51	2153	1654	39	68	9	-104	0	0	0	-51	16	1630	3783	1478	-152	0	3631	749	0	749	3674	4423		
<b>06 TO 18 HRS.</b>	49.70	1870	1683	181	153	75	50	2143	1665	40	70	9	-33	0	0	0	-50	16	1716	3858	1567	-149	0	3709	704	0	704	3751	4455		
<b>18 TO 24 HRS.</b>	49.79	1904	1713	379	414	142	54	2702	1668	38	389	9	14	0	0	0	-54	16	2080	4782	1938	-142	0	4640	877	0	877	4670	5546		

## Reservoir Level of Hydel Power Stations

Sr. No.	Name of Hydel Power Station	FRL	Last day of Sep'09	Last Day of Oct'09	MDDL
1	Gandhi Sagar	1312 ft	1273.16 ft	1272.22 ft	1250 ft
2	Pench	490 Mtr	486.83 Mtr	484.4 Mtr	464 Mtr
3	Bargi	422.76 Mtr	416.45 Mtr	416.4 Mtr	403.5 Mtr
4	Birsingpur	477.5 Mtr	476.76 Mtr	476.66 Mtr	471 Mtr
5	Bansagar	341.64 Mtr	326.17 Mtr	326.54 Mtr	323 Mtr
6	Rajghat	371 Mtr	370.1 Mtr	370 Mtr	361.5 Mtr
7	Indira Sagar	262.13 Mtr	259.38 Mtr	259.37 Mtr	243.23 Mtr
8	Omrakershwar	196.6 Mtr	188.79 Mtr	188.58 Mtr	193.3 Mtr
9	Sardar Sarovar	138.68 Mtr	121 Mtr	119.13 Mtr	110.64 Mtr

TENTATIVE UNITWISE GENERATION TARGETS IN MUs YEAR 2009-10 R- 06													
POWER STATION	ACTUAL						ANTICIPATED						TOTAL
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
AMK #3	49	47	35	23	28	50	50	49	51	51	0	0	434
AMK #4	48	43	45	9	0	0	0	0	0	29	52	58	285
AMK PH II	96	90	80	33	28	50	50	49	51	80	52	58	719
AMK PH III	62	74	61	83	69	120	133	129	133	133	120	133	1249
AMK COMP.	158	164	141	116	97	170	183	178	184	213	172	191	1967
STP #1	28	28	2	22	33	31	33	32	33	33	30	33	340
STP #2	34	32	25	28	30	11	22	32	34	34	30	34	346
STP #3	33	33	26	14	21	31	33	32	33	33	30	33	353
STP #4	34	31	22	28	29	29	33	32	33	33	29	33	365
STP #5	33	32	18	29	29	32	33	32	33	33	29	33	363
STP PH I	161	156	93	121	141	134	154	160	166	166	150	166	1767
STP #6	117	0	44	81	125	122	112	108	112	112	101	112	1143
STP #7	106	107	70	92	94	27	117	113	117	117	106	117	1185
STP PH II	223	107	114	173	219	149	229	221	229	229	207	229	2328
STP #8	101	109	40	64	120	120	123	119	123	123	111	123	1279
STP #9	105	110	62	15	132	121	123	119	123	123	111	123	1269
STP PH III	206	219	102	79	252	241	247	239	247	247	223	247	2548
STP COMP.	590	482	309	372	612	525	630	621	641	641	579	641	6644
SGTPS#1	102	89	79	79	88	58	30	91	94	94	85	94	981
SGTPS#2	93	90	65	81	64	29	42	121	125	125	113	125	1071
SGTPS PH I	194	179	144	160	152	86	72	212	219	219	198	219	2052
SGTPS#3	122	101	81	5	142	85	126	122	126	126	114	126	1275
SGTPS#4	120	108	100	112	116	12	84	122	126	126	114	126	1264
SGTPS PH II	242	209	181	117	258	97	210	243	252	252	227	252	2539
SGTPS EXT	313	258	277	281	18	223	316	306	316	316	286	316	3225
SGTPS COMP.	749	646	602	558	428	406	597	761	786	786	710	786	7816
<b>TOTAL</b>	<b>1497</b>	<b>1292</b>	<b>1052</b>	<b>1046</b>	<b>1137</b>	<b>1102</b>	<b>1410</b>	<b>1559</b>	<b>1612</b>	<b>1641</b>	<b>1462</b>	<b>1619</b>	<b>16427</b>
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	58.0	56.0	57.0	57.0	57.0	0.0	0.0	41.3
AMK #4	55.2	48.5	51.9	10.3	0.0	0.0	0.0	0.0	0.0	32.5	65.0	65.0	27.1
AMK PH II	55.8	50.6	46.3	18.3	15.9	29.0	28.0	28.5	28.5	44.8	32.5	32.5	34.2
AMK PH III	40.7	47.1	40.3	53.2	44.0	79.6	85.1	85.0	85.1	85.1	85.0	85.1	84.3
AMK COMP.	55.8	50.6	46.3	18.3	15.9	52.6	54.7	54.9	54.9	63.6	57.0	57.1	56.4
STP #1	61.9	60.9	4.5	47.0	70.5	68.2	72.0	72.0	72.0	72.0	72.0	72.0	62.1
STP #2	74.7	68.2	55.3	60.3	65.5	25.3	48.0	72.1	72.1	72.1	72.1	72.1	63.1
STP #3	72.2	70.9	57.6	29.5	44.4	69.0	72.0	72.0	72.0	72.0	72.0	72.0	64.5
STP #4	76.3	66.3	49.2	60.3	61.7	65.5	70.1	70.1	70.1	70.1	70.1	70.1	66.7
STP #5	72.3	68.8	40.3	63.2	61.4	70.5	70.0	70.0	70.0	70.0	70.0	70.0	66.4
STP PH I	71.5	67.0	41.4	52.0	60.7	59.7	66.4	71.2	71.2	71.2	71.2	71.2	64.6
STP #6	80.9	0.0	30.3	54.3	83.8	84.8	75.0	75.0	75.0	75.0	75.0	75.0	65.2
STP #7	70.3	68.5	46.3	58.7	60.4	18.0	75.0	75.0	75.0	75.0	75.0	75.0	64.4
STP PH II	75.5	35.1	38.5	56.6	71.8	50.6	75.0	75.0	75.0	75.0	75.0	75.0	64.8
STP #8	66.9	69.7	26.6	40.8	76.8	79.5	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	80.0	79.0	79.0	79.0	79.0	79.0	79.0	69.0
STP PH III	68.2	70.2	33.7	25.1	80.6	79.8	79.0	79.0	79.0	79.0	79.0	79.0	69.3
STP COMP.	71.7	56.7	37.5	43.8	72.0	63.8	74.1	75.4	75.4	75.4	75.4	75.4	66.4
SGTPS#1	67.1	57.3	52.4	50.6	56.2	38.1	19.2	60.0	60.0	60.0	60.0	60.0	53.3
SGTPS#2	61.2	57.4	43.0	51.5	40.8	19.0	26.7	80.0	80.0	80.0	80.0	80.0	58.2
SGTPS PH I	64.2	57.3	47.7	51.1	48.5	28.5	22.9	70.0	70.0	70.0	70.0	70.0	55.8
SGTPS#3	80.7	64.8	53.7	3.3	91.2	55.9	80.5	80.5	80.5	80.5	80.5	80.5	69.3
SGTPS#4	79.3	69.1	66.0	71.4	74.1	8.2	53.7	80.5	80.5	80.5	80.5	80.5	68.7
SGTPS PH II	80.0	66.9	59.9	37.4	82.6	32.1	67.1	80.5	80.5	80.5	80.5	80.5	69.0
SGTPS PH III	87.0	69.2	76.9	75.6	4.8	61.9	84.9	85.0	85.0	85.0	85.0	85.0	73.6
SGTPS COMP.	77.6	64.8	62.4	55.9	42.9	42.1	59.9	78.9	78.9	78.9	78.9	78.9	66.6
<b>TOTAL</b>	<b>73.2</b>	<b>60.2</b>	<b>50.5</b>	<b>47.5</b>	<b>52.7</b>	<b>52.2</b>	<b>64.6</b>	<b>73.9</b>	<b>73.9</b>	<b>75.2</b>	<b>74.2</b>	<b>74.2</b>	<b>64.5</b>

Sr.No	DESCRIPTION	status	telemetry value at SLDC	actual value at site
<b>RTU name -Indore 400 KV S/S</b>				
	OLD ISSUES- 10	NEW ISSUES-2	ATTENDED-9	
1	INDORE –ISP 400 KV	CB	OPEN	CLOSE
2	INDORE -UJJAIN 220 KV	CB	OPEN	CLOSE
3	INDORE –DEWAS 220 KV	CB	OPEN	CLOSE
<b>RTU Name INDORE NZ 220 KV S/S</b>				
	OLD ISSUES- 6	NEW ISSUES-0	ATTENDED-0	
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
<b>RTU Name INDORE CHAMBLE132 KV S/S</b>				
	OLD ISSUES- 5	NEW ISSUES-1	ATTENDED-1	
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 N.ZONE	CB	FAULTY	CLOSE
<b>RTU name -Indore S.ZONE 220 KV S/S</b>				
	OLD ISSUES- 16	NEW ISSUES-0	ATTENDED-7	
1	160 MVA TRANSFORMER	OLTC	17	11
2	3X40 MVA TRANSFORMER I	OLTC	1	16
3	3X40 MVA TRANSFORMER II	OLTC	15	16
4	40 MVA TRANSFORMER I	OLTC	9#	11
5	40 MVA TRANSFORMER II	OLTC	17	4
6	160 MVA TRANSFORMER	CB	OPEN	CLOSE
7	IND S/Z TO CAT -1	CB	OPEN	CLOSE
8	IND S/Z TO CHAMBLE	CB	OPEN	CLOSE
9	3X40 MVA TRANSFORMER II(132KV SIDE)	CB	OPEN	CLOSE
<b>RTU name Pitampur 220 KV S/S</b>				
	OLD ISSUES- 10	NEW ISSUES-0	ATTENDED-3	
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	PITAMPUR 132 KV-HML	CB	FAULTY	OPEN
6	132 KV TRB	CB	FAULTY	OPEN
7	132 KV BUS COUPLE	CB	FAULTY	OPEN
<b>RTU name -NAGDA 400 KV S/S</b>				
	OLD ISSUES- 5	NEW ISSUES-2	ATTENDED-4	
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	NGD –BINA 400 I & II	CB	NOT AVAILABLE	
5	NGD –RAJGRAH 400 I & II	CB	NOT AVAILABLE	
6	NGD –DEHGAON 400 I & II	CB	NOT AVAILABLE	
7	400/220 KV XMER 3	CB	NOT AVAILABLE	

<b>RTU name NAGDA 220 KV S/S</b>				
	OLD ISSUES- 13	NEW ISSUES-0	ATTENDED-5	
1	125 MVA TRANSFORMER	OLTC	9#	8
2	160 MVA TRANSFORMER	OLTC	17	12
3	40 MVA TRANSFORMER -II	OLTC	17	5
4	125 MVA TRANSFORMER (132KV)	CB	FAULTY	CLOSE
5	125 MVA TRANSFORMER	CB	OPEN	CLOSE
6	220 KV BUS COUPLER	CB	FAULTY	OPEN
7	220 KV BUS INTERCONNECTOR I &II	CB	FAULTY	CLOSE
8	160 MVA TRANSFORMER	CB	OPEN	CLOSE
<b>RTU name Dewas 220 KV S/S</b>				
	OLD ISSUES- 11	NEW ISSUES-2	ATTENDED-4	
1	BUS COUPLER	CB	FAULTY	OPEN
2	DEWAS IC II	CB	FAULTY	OPEN
3	132 /33 KV TRANSFORMER 1	OLTC	N/C	8
4	132/33 KV TRANSFORMER 2	OLTC	N/C	7
5	220/132 KV TRANSFORMER 1	OLTC	N/C	7
6	220/132 KV TRANSFORMER 2	OLTC	N/C	7
7	DEWAS 220 KV -INDORE EAST	CB	FAULTY	CLOSE
8	DEWAS 220 KV -INDORE 400KV S/S	CB	FAULTY	CLOSE
9	DEWAS 132 KV -CHAPDA	CB	FAULTY	CLOSE
<b>RTU name Ujjain 220 KV S/S</b>				
	OLD ISSUES- 8	NEW ISSUES-3	ATTENDED-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	63 MVA TRANSFORMER	CB	FAULTY	CLOSE
6	3X40 MVA TRANSFORMER (132 KV SIDE)	CB	FAULTY	CLOSE
7	UJJAIN220 KV -NAGDA 2	CB	FAULTY	CLOSE
8	UJJAIN220 KV -BADOD 1	CB	FAULTY	CLOSE
9	UJJAIN 132 KV -GHOSLA	CB	FAULTY	CLOSE
<b>RTU name Shujalpur 220 KV S/S</b>				
	OLD ISSUES- 8	NEW ISSUES-0	ATTENDED-0	
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
<b>RTU name Shajapur132 KV S/S</b>				
	OLD ISSUES- 2	NEW ISSUES-0	ATTENDED-0	
1	132/33 KV TRANSFORMER 1	OLTC	N/C	9
2	SHAJAPUR 132 KV-PANWADI	CB	FAULTY	OPEN
<b>RTU name Ratlam 220 KV S/S</b>				
	OLD ISSUES- 4	NEW ISSUES-0	ATTENDED-0	
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

<b>RTU name Neemuch 220 KV S/S</b>				
	OLD ISSUES- 4	NEW ISSUES-0	ATTENDED-0	
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
<b>RTU name Burwaha 220 KV S/S</b>				
	OLD ISSUES- 3	NEW ISSUES-5	ATTENDED-0	
1	160 MVA XMER	OLTC	17	3
2	3X40 MVA XMER	OLTC	17	3
3	63 MVA XMER	OLTC	17	4
4	220 KV BUS COUPLER	CB	FAULTY	OPEN
5	220 /132 KV TRANSFORMER 1	CB	FAULTY	CLOSE
6	220 /132 KV TRANSFORMER 2 (132 KV SIDE)	CB	FAULTY	CLOSE
7	220 /132 KV TRANSFORMER2 (132 KV SIDE)	CB	FAULTY	CLOSE
8	BURWAHA 132KV-CHEGAON	CB	FAULTY	CLOSE
<b>RTU name Nepanagar 220 KV S/S</b>				
	OLD ISSUES- 5	NEW ISSUES-0	ATTENDED-0	
1	160 MVA XMER	OLTC	1	9
2	3X40 MVA XMER	OLTC	17	15
3	63 MVA XMER	OLTC	17	5
4	220 KV TRB	CB	FAULTY	OPEN
5	NEPA –CHEGAON 132 KV	CB	FAULTY	CLOSE
<b>RTU name Bhopal 400 KV S/S</b>				
	OLD ISSUES- 2	NEW ISSUES- 1	ATTENDED- 0	
1	400/220 KV TRANSFORMER 3	OLTC	N/C	5
2	400/220 KV TRANSFORMER 3	CB	FAULTY	CLOSE
3	BHOPAL 220 KV –SHUJALPUR I	CB	FAULTY	CLOSE
<b>RTU name Bhopal 220 KV S/S</b>				
	OLD ISSUES- 9	NEW ISSUES- 1	ATTENDED- 0	
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
10	220 KV TRB	CB	FAULTY	OPEN
<b>RTU name Piparia 132 KV S/S</b>				
	OLD ISSUES- 7	NEW ISSUES- 0	ATTENDED- 6	
1	132/33 KV TRANSFORMER 1	OLTC	N/C	4
<b>RTU name Sarni 220 KV S/S</b>				
	OLD ISSUES- 2	NEW ISSUES- 0	ATTENDED- 0	
1	SARNI-SATPURA TPS 220 KV	CB	FAULTY	CLOSE
2	SARNI 220 KV TRB	CB	FAULTY	CLOSE
<b>RTU name Bairagrah 220 KV S/S</b>				
	OLD ISSUES- 5	NEW ISSUES- 0	ATTENDED- 0	
1	220 KV BUS 1	VOLTAGE	127	225
2	220 KV TRB	CB	FAULTY	OPEN
3	Bairagrah 220KV-Lalghati II	CB	FAULTY	CLOSE
4	220/132 KV TRANSFORMER 1	CB	FAULTY	CLOSE
5	132/33 XMER	OLRC	17	10



<b>RTU Name Handia 220 KV S/S</b>				
	OLD ISSUES- 8	NEW ISSUES- 0	ATTENDED- 0	
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
<b>RTU Name Malanpur 220 KV S/S</b>				
	OLD ISSUES- 7	NEW ISSUES- 0	ATTENDED- 4	
1	132/33 KV TRANSFORMER 4	CB	FAULTY	CLOSE
2	220 KV BUS COUPLER I	CB	FAULTY	CLOSE
3	220 KV BUS COUPLER II	CB	FAULTY	CLOSE
<b>RTU Name Mehgaon 220 KV S/S</b>				
	OLD ISSUES- 8	NEW ISSUES- 0	ATTENDED- 0	
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
<b>RTU name Gwalior 220 KV S/S</b>				
	OLD ISSUES- 7	NEW ISSUES- 0	ATTENDED- 0	
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
<b>RTU name Guna 220 KV S/S</b>				
	OLD ISSUES- 5	NEW ISSUES- 0	ATTENDED- 0	
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
<b>RTU name Ashta 132 KV S/S</b>				
	OLD ISSUES- 3	NEW ISSUES- 0	ATTENDED- 2	
1	ASHTA 132 KV-ARNIKALAN II	CB	FAULTY	CLOSE
<b>RTU name Boregaon 132 KV S/S</b>				
	OLD ISSUES- 3	NEW ISSUES- 0	ATTENDED- 1	
1	132/33 KV TRANSFORMER	OLTC	N/C	5
2	132/33 KV TRANSFORMER	CB	FAULTY	CLOSE
<b>RTU name Chindwada 132 KV S/S</b>				
	OLD ISSUES- 3	NEW ISSUES- 0	ATTENDED- 0	
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

<b>RTU name Pandurna 220 KV S/S</b>				
OLD ISSUES- 3    NEW ISSUES- 0    ATTENDED- 0				
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
<b>RTU name Narsingpur 220 KV S/S</b>				
OLD ISSUES- 21    NEW ISSUES- 0    ATTENDED- 12				
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 &2	MW	NOT AVAILABLE	
5	NARSINGPUR220 KV-ITARSI 1 &2	MVAR	NOT AVAILABLE	
6	NARSINGPUR220 KV-ITARSI 1& 2	CB	NOT AVAILABLE	
7	220/132 KV TRANSFORMER 2	MW	NOT AVAILABLE	
8	220/132 KV TRANSFORMER 2	MVAR	NOT AVAILABLE	
9	220/132 KV TRANSFORMER 2	CB	NOT AVAILABLE	
<b>RTU name Satna 220 KV S/S</b>				
OLD ISSUES- 9    NEW ISSUES- 1    ATTENDED- 2				
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	132 KV BUS 2	VOLTAGE	13	134
5	SATNA 220KV-SATNA PGCIL 2	CB	OPEN	CLOSE
6	SATNA 132 KV-PANNA	CB	FAULTY	CLOSE
7	SATNA 132 KV INTERCONNECTOR 2	CB	FAULTY	CLOSE
8	SATNA TONS PH 200 KV I	CB	FAULTY	CLOSE
<b>RTU name Satna 132 KV S/S</b>				
OLD ISSUES- 2    NEW ISSUES- 0    ATTENDED- 0				
1	132/33 KV TRANSFORMER 1	OLTC	N/C	6
2	132 KV TRB	CB	FAULTY	OPEN
<b>RTU name Morwa 132 KV S/S</b>				
OLD ISSUES- 3    NEW ISSUES- 0    ATTENDED- 0				
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
<b>RTU name -Bina 400 KV S/S</b>				
OLD ISSUES- 6    NEW ISSUES- 1    ATTENDED- 2				
1	BINA400 KV-BINA PGCIL I	CB	FAULTY	CLOSE
2	BINA 220 KV-SHIVPURI 2	CB	OPEN	CLOSE
3	BINA 220 KV-GWALIOR 2	CB	OPEN	CLOSE
4	BINA 220 KV- GUNA 1	CB	FAULTY	CLOSE
5	400/220 KV XMER III	CB	FAULTY	CLOSE
<b>RTU name -Bina 220 KV S/S</b>				
OLD ISSUES- 4    NEW ISSUES- 0    ATTENDED- 1				
1	BINA 132 KV-SAGAR	CB	FAULTY	CLOSE
2	BINA 132 KV-PICHORE	CB	FAULTY	CLOSE
3	220/132 KV TRANSFORMER 2 (132 KV SIDE)	CB	FAULTY	CLOSE

**RTU NAME- Amarkanatak Thermal Power Station****Annexure 7.3(ii)**

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

**RTU NAME- Birsingpur Thermal Power Station**

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

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

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

**RTU NAME- Madhikheda hydel Power Station**

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

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