



HALF YEARLY REPORT

ON

REGULATORY COMPLIANCE

FOR THE PERIOD

APRIL-SEPTEMBER '09

REPORTER OF COMPLIANCE

*M.P. POWER TRANSMISSION COMPANY LTD.
2nd BLOCK, SHAKTI BHAWAN, JABALPUR.*

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**HALF YEARLY REPORT ON REGULATORY COMPLIANCE IN
RESPECT OF MP POWER TRANSMISSION COMPANY LIMITED
APRIL-SEPTEMBER 2009**

1. PREAMBLE -

1.1 ABOUT THE LICENSEE -

The Madhya Pradesh Power Transmission Company Limited is a Company registered under Companies Act 1956 on 22.11.2001 for the purpose of undertaking the Intra-State Transmission activities in the State of Madhya Pradesh. It is also the State Transmission Utility, declared by the State Government vide order No. 2491/13/04/BPL dtd. 17.05.04 w.e.f. 01.06.2004. As per Section 14 of the Electricity Act 2003, it is the deemed licensee for the State of Madhya Pradesh. The licensee as on 01.04.2009 is having the following capacities to carry out Intra-State transmission;

S. No.	Particulars	Status as on 01.04.09
1	EHV Lines	22964 CKT-KMs.
2	EHV Sub-station	215 Nos.
3	EHV Sub-station's capacity	29077 MVA
4	Inter-face points & metering	555 Nos.

1.2 REQUIREMENT UNDER THE ACT -

The MP Electricity Regulatory Commission, Bhopal is functioning as State Commission for Madhya Pradesh in accordance of Section 82 of the Electricity Act 2003. One of the function of the State Commission mentioned in Section 86(i) of the Electricity Act 2003, is to specify or enforce standards with respect to quality, continuity and reliability of service by the Licensees. Accordingly, Hon'ble MPERC in exercise of powers under Sub-section (1) of Section 181 of the said act notified on 5th May 2005 the MPERC (Guidelines for reporting of Regulatory Compliance) Regulations, 2005. The objective of "Compliance Reporting System" is mentioned that the licensee should build a sound and effective regulatory compliance mechanism. The Regulations are applicable to all the licensees in the State of Madhya Pradesh including the MP Power Transmission Company Limited involved in the business of building, operating and maintaining the Intra-State Transmission System in the State of Madhya Pradesh.

1.3 SALIENT FEATURES OF REGULATIONS -

The Regulations provide for;

- i. Ensure timely submission of periodical reports covering all the items under report.
- ii. Appointment of a Regulator of Compliance by each licensee, entrusted with the responsibility of reporting Regulatory Compliance.
- iii. Set-up reporting procedures for formulation and submission of Half Yearly and Annual Reports by Reporter of Compliance.
- iv. Specify the periodical reports to be included and specific areas to be covered, under the report of the Reporter of Compliance.

- v. Taking cognizance of the reports by the Top Management/ Directors of the Company.

1.4 REPORTER OF COMPLIANCE -

The MP Power Transmission Company appointed Shri D.P. Saxena, Retired Executive Director(T&P), MPSEB as Reporter of Compliance on contract appointment. The period of contract appointment is extended for one year with effect from 11.11.2009. Thus, the Company has engaged Reporter of Compliance as per the Regulations notified by Hon'ble State Commission.

1.5 REPORTING PPROCEDURE -

The Regulations provide for submission of following reports by the Reporter of Compliance;

- i. Half Yearly Report April to Sept. by 31st December.
- ii. Annual Report of financial year by 30th June of next year.

The reports are required to be fragmented in three parts;

- i. Reports on issues fully complied with.
- ii. Reports on issues partially complied with and
- iii. Reports on issues not complied with, alongwith reasons and future course of action.

1.6 REPORTS COVERED UNDER THE REGULATIONS -

Annexure 'A' appended with the Regulations, specify the periodical reports on which Reporter of Compliance has to base his report. The reports concerning the Transmission Licensee are shown in the following table;

MIS Report	To be submitted within 30 days of end of each quarter.
Compliance of MP Electricity Grid Code	On different dates prescribed for various compliances.
Transmission Performance Standards	To be submitted within 45 days of end of each quarter.
Conditions of Licensee	Various compliances to be submitted on different dates.
Open Access Regulations	Various compliances to be submitted on different dates.
MPERC (SLDC fees and charges) Regulations	Various compliances to be submitted on different dates.
MPERC (Treatment of other business of licensee)	Various compliances to be submitted on different dates.

1.7 SUBMISSION OF EARLIER REPORTS BY REPORTER OF COMPLIANCE

In compliance to the Regulations, following reports have been submitted by the Reporter of Compliance before Hon'ble Commission for earlier period;

S. No.	Report	Reference of submission
1	Annual Report for year 2004-05	Letter No. 04-01/Const. Tariff/6849 dtd. 29.9.05.
2	Half yearly report for period April '05 to Sept.'05.	Letter No. 04-01/Const. Tariff/2528 dtd. 18.3.06.
3	Annual Report for year 2005-06	Letter No. 04-01/Const. Tariff/6334 dtd. 22.7.06.
4.	Half yearly report for April '06 to Sept.06.	Letter No. 04-01/Const. Tariff/1335 dtd. 17.2.07.
5.	Annual Report for year 2006-07	Letter No. 04-01/Const. Tariff/F-77/4689 dtd. 14.06.07.
6.	Half Yearly Report for April-Sept.'07.	Letter No. 04-01/Const. Tariff/F-77/10432 dtd. 19.12.07.
7.	Annual Report for year 2007-08	Letter No. 04-01/Const. Tariff/F-77/5841 dtd. 17.6.08.
8.	Half Yearly Report for April-Sept.'08.	Letter No. 04-01/CRA Cell/F-77/ 12552 dtd. 30.12.08.
9.	Annual Report for year 2008-09	Letter No. 04-01/CRA Cell/F-77/6009 dtd. 30.6.09.

1.8 HALF YEARLY REPORT FOR PERIOD APRIL-SEPT.'09 -

The Transmission Licensee has submitted the periodical reports for both the two quarters of the half year timely. The licensee has also reported compliance on other points to be covered under the report. The instant report is based on above mentioned reports, and discussions / analysis thereon.

2. MANAGEMENT INFORMATION SYSTEM REPORTS (MIS) -

2.1 MIS REGULATIONS -

Hon'ble Commission, on 2nd April 2004, notified the MP Electricity Regulatory Commission (Monitoring of performance of Licensee and Generating Companies) Regulations, 2004. Different sets of reports have been prescribed for Generation, Transmission and Distribution Licensees. Four formats have been laid down for reporting performance of Transmission Licensee including System Operation functions carried out with the help of the SLDC. The information formats are as given hereunder;

(i)	TR-1	Contains information on Energy Accounting, Transmission Losses, and Loading of Transmission lines.
(ii)	TR-2	Contains information on Transmission System Availability. Availability of feeders and Transformers Frequency Excursion, Demand met, Capacity Additions and Financial loan details.
(iii)	TR-3	Contains information on State Load Despatch Centre's infrastructure and voltages recorded at Sub-stations.
(iv)	TR-4	Related to details of Scheduling and actual generation of Generating Units.
(v)	TR-5	Related to details of Scheduling and drawal of Central Sector power.

2.1.1 AMENDMENT -

Hon'ble Commission vide notification dtd. 31st October 2008, has made certain amendments in the reporting formats. The details to be given in revised formats are given hereunder;

S. No.	Format No.	Details Covered
1	Tr-1	Energy Accounting and Voltage-wise losses.
2	Tr-1-a	Details of top ten congested EHV lines.
3	Tr-2	Transmission System Availability and Availability of five critical lines. Frequency excursion. Maximum Demand and Capacity addition of EHV lines and Sub-stations.
4	Tr-3	SLDC's infrastructure i.e. Remote Terminal Units, Interface meters. Backing down of Generating Units. Voltage variations in EHV Sub-stations.

The information for quarters ending June 2009 and September 2009 has therefore been submitted by the licensee as per modified formats. However, the contents are more or less, the same as contained in old formats.

2.2 SUBMISSTION OF MIS REPORTS -

The Transmission Licensee is submitting the quarterly reports on MIS regularly. The reports covered under the half year April-Sept.'09 have been submitted as per the references mentioned hereunder;

S. No.	Period	Reference of submission to the Commission
1	April-June '09	Letter No. 04-01/CRA Cell/ F-15/7137 dtd. 31.7.09.
2	July-Sept.'09	Letter No. 04-01/CRA Cell/ F-15/9897 dtd. 31.10.09.

2.3 DATA CHECKS BY REPORTER OF COMPLIANCE –

It has been checked by the Reporter of Compliance from records that the reports submitted by the licensee are based on the data supplied by the different HODs based on information from the field as mentioned hereunder;

(i)	Information of Energy Account and Computation of losses	By C.E.(T&C), OSD(LD) and C.E.(S/s Design).
(ii)	Overloading on feeders	C.E.(T&C)
(iii)	System/feeder/Transformer Availability	C.E.(T&C)/C.E.(EHT-C&M)
(iv)	M.D Met	C.E.(Power System)
(v)	Capacity Addition	OSD.(Transmission).
(vi)	Frequency Excursion	OSD (Load Despatch)
(vii)	SLDC's equipment's functioning, schedules and draws.	OSD. (Load Despatch)

2.4 STATUS OF COMPLIANCE ON REPORTING –

2.4.1 REPORTS FULLY COMPLIED –

Following reports have been fully complied in both the quarter i.e. ending April '09 and September '09.

S. No.	Report fully complied	Reference of Format
1	Energy received and sent out in the Transmission System with computation of Transmission Losses.	Tr-1
2	Voltage-wise Transmission Losses for 400 KV, 220 KV and 132 KV System.	Tr-1
3	Information of Top 10 lines with maximum congestion.	Tr-1-a
4	Voltage-wise and overall Transmission System Availability	Tr-2
5	Transmission System Availability of 5 major critical lines.	Tr-2

S. No.	Report fully complied	Reference of Format
6	Frequency excursion	Tr-2
7	Demand met during the quarter	Tr-2
8	Voltage-wise EHV lines added during the quarter	Tr-2
9	Voltage-wise Transformation Capacity added	Tr-2
10	Details of RTUs/Transducers in service for data acquisition by SLDC.	Tr-3
11	Inter-face points and Metering status	Tr-3
12	Voltage variation in 400 KV, 220 KV and 132 KV Sub-stations.	Tr-3
13	Name of 5 Sub-stations which recorded lowest voltage.	Tr-3
14	Name of 5 Sub-stations which recorded highest voltage.	Tr-3

2.4.2 **REPORTS PARTIALLY COMPLIED** –

There is no report on which reporting is partial.

2.4.3 **REPORTS NOT COMPLIED** –

There is no aspect of the report which is not complied with.

2.5 **POINTS OF BETTER PERFORMANCE** –

The MIS for the two quarter indicates better performance of the MPPTCL on following points;

2.5.1 **TRANSMISSION LOSSES** –

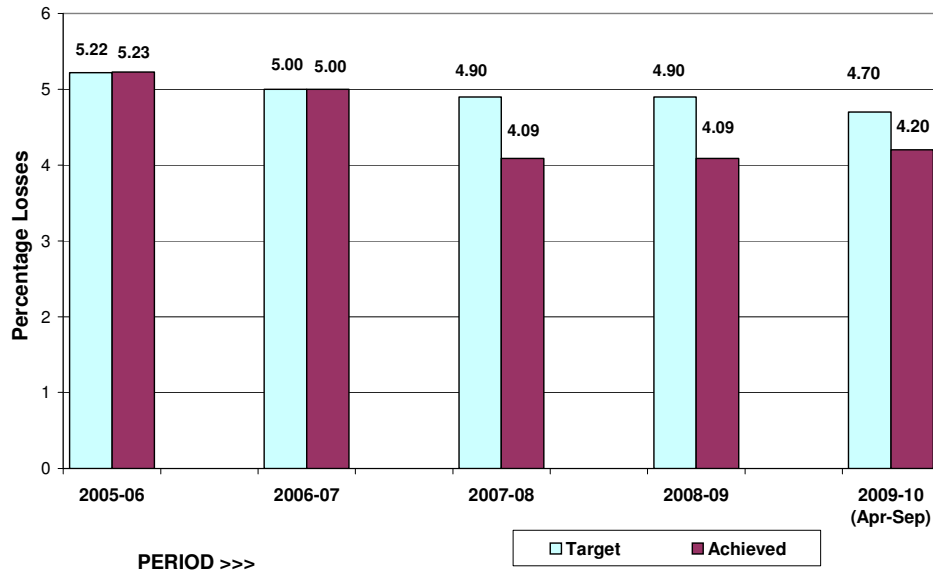
Hon'ble MPERC has not fixed any benchmark of transmission losses in the Tariff Regulations notified for year 2009-10 to 2011-12. The benchmark for year 2008-09 was 4.90%. The licensee has therefore fixed a target of 4.70% for year 2009-10 as self goal setting. The achievements during first two quarters are given below;

S. No.	Quarter	Target	Achieved	Cumulative achievements
1	April-June '09	4.70%	3.79%	3.79%
2	July-Sept.'09	4.70%	4.62%	4.20%

The above figures are provisional and are to be reconciled while working out annual losses. The loss level is although within self set target of 4.70%, however, there is a rise in IInd quarter as compared to Ist one. A Committee of HODs concerned is looking into this matter.

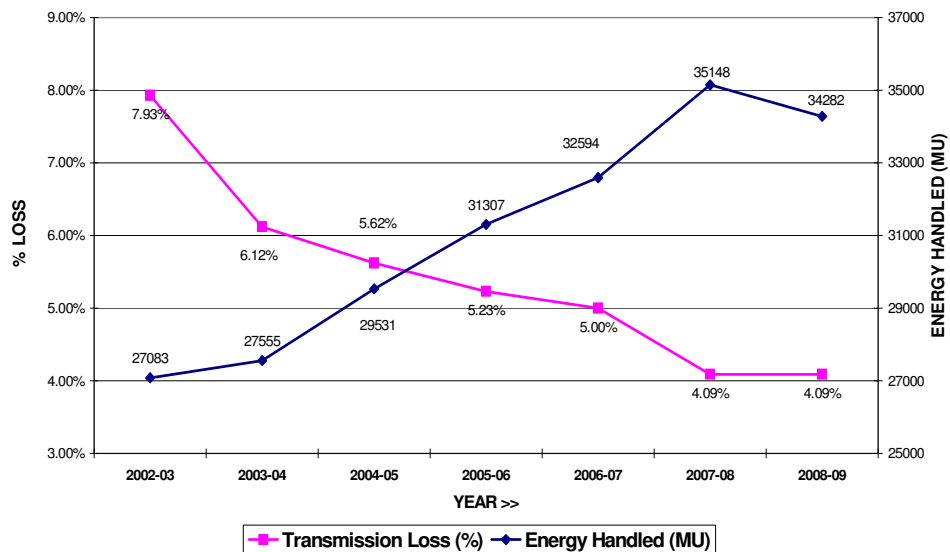
The transmission licensee has been able to confine its transmission losses within the target fixed by Hon'ble State Commission during previous years too, as evident from following chart;

Loss Target Vs Actual Transmission Losses



It is also pertinent to mention here that the Transmission Licensee has been able to reduce losses continuously during last years. In spite of the increasing Energy handled, except for 2008-09, as shown below;

YEARWISE TREND OF TRANSMISSION LOSS & ENERGY HANDLED



2.5.2 VOLTAGE-WISE LOSSES –

Hon'ble Commission has pointed out regarding comparatively higher losses in 220 KV system in comparison to 132 KV system. This is due to the fact that the 220 KV feeders are the main evacuation lines of appreciable lengths, whereas, there has been a

remarkable growth in 132 KV system in recent past under financial supports from ADB, PFC, and NABARD etc.

This aspect has already drawn attention of the top management of Transco, and they have expedited the important 220 KV works to mitigate this problem. It may kindly be appreciated from the following table that tangible outcome is shown in reduction of greater percentage of transmission losses in respect of 220 KV system as compared to other voltages;

S. No.	System Voltage	Transmission Losses in Percentage			
		2006-07	2007-08	2008-09	2009-10 upto Sept.'09
1	400 KV System	1.26%	1.21%	1.20%	1.09%
2	220 KV System	3.41%	2.55%	2.51%	2.38%
3	132 KV System	1.29%	1.15%	1.18%	1.40%
4	Total System -	5.00%	4.09%	4.09%	4.20%*

* figures are provisional.

From the above it appears that during year 2009-10 (upto Sept.'09) also, there has been reduction in losses in 400 KV and 220 KV system. However, there is a hike in losses in 132 KV system. Although the figures for April-Sept.'09 are provisional and still under scrutiny and reconciliation, the concerned HODs indicated the following reasons for hike in 132 KV losses;

- i. A number of new EHV Sub-stations have been commissioned. The work of bifurcation of 33 KV feeders is still going on in many cases. This has resulted in non-reduction of losses in 132 KV feeder.
- ii. The reactive drawal on 33 KV feeders added to 132 KV losses.

The matter however needs further analysis by the concerned section.

2.6 TRANSMISSION SYSTEM AVAILABILITY –

Hon'ble Commission has fixed a target of Transmission System Availability as 97.0% in transition and 98.0% in final stage. The final stage commenced from July 2009. The achievements are shown in following table;

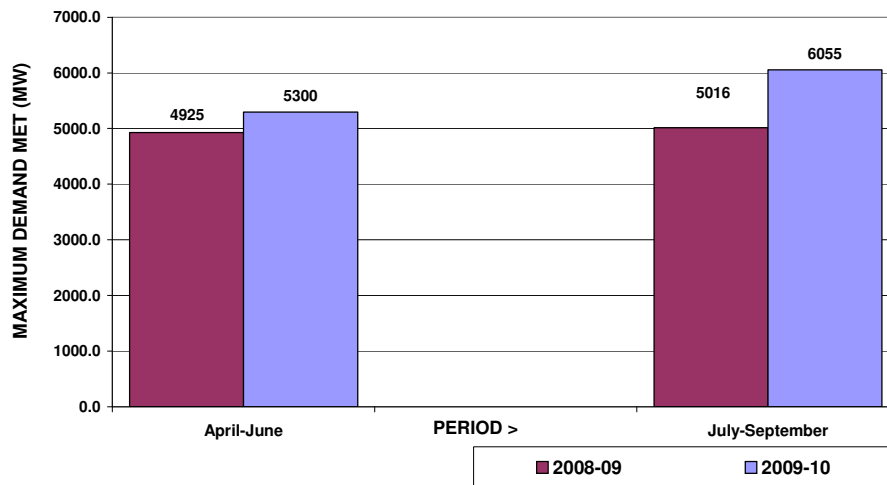
S. No.	Period	Target Fixed	Actual Achieved
1	April-June '09	97.0%	98.22%
2	July-Sept.'09	98.0%	98.88%

The Transmission System Availability achieved in both the quarter is higher than the target fixed. This indicates that the licensee has made efforts in proper maintenance of EHV Lines and Sub-stations as well as prompt outage management.

2.7 MAXIMUM DEMAND MET –

Transmission system in MP caters maximum load during Rabi Season i.e. between October and March. Maximum demand met during the two quarter of year 2009-10 as compared to the previous year i.e. 2008-09 is shown hereunder;

**MAXIMUM DEMAND MET IN THE FIRST TWO QUARTERS OF
2008-09 & 2009-10 (In MW)**



The maximum demand met during April-Sept.'09 is 6055 MW. No transmission constraints were observed in meeting this demand.

2.8 FREQUENCY EXCURSION –

The IEGC/MPEGC specified a frequency band of 49.0 to 50.5 Hz. The Licensee cooperated in maintaining the Grid frequency, which remained within the specified frequency band, for most of the time in the two quarter.

S. No.	Quarter	Percentage of time when frequency remained above 49.2 Hz and below 50.3 Hz
1	April-June '09	84.21%
2	July-Sept.'09	83.97%

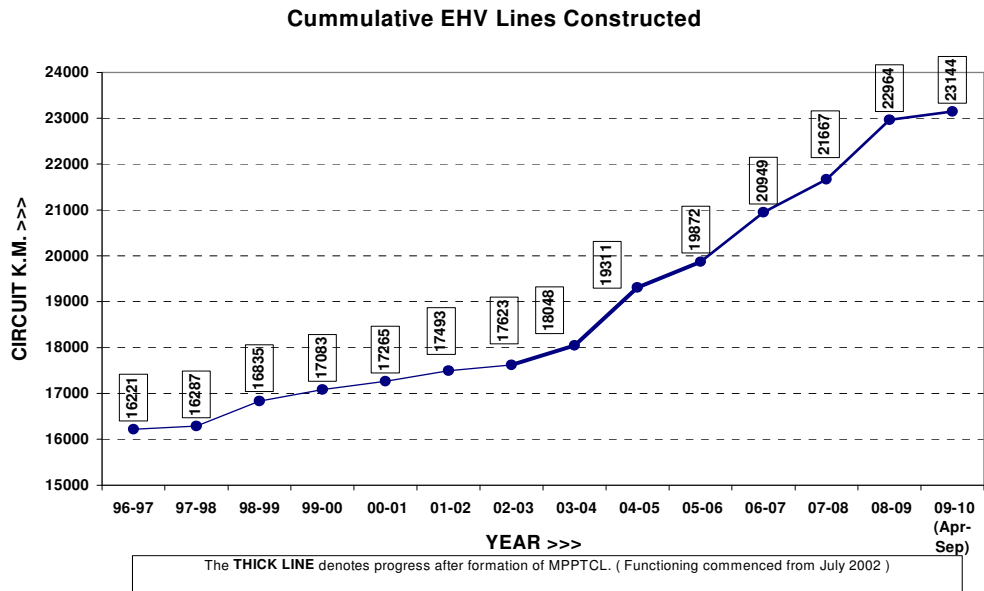
As per changes made by CERC, the SLDC has changed frequency reporting from 49.0-50.5 Hz to 49.2-50.3 Hz.

2.9 CAPACITY ADDITION -

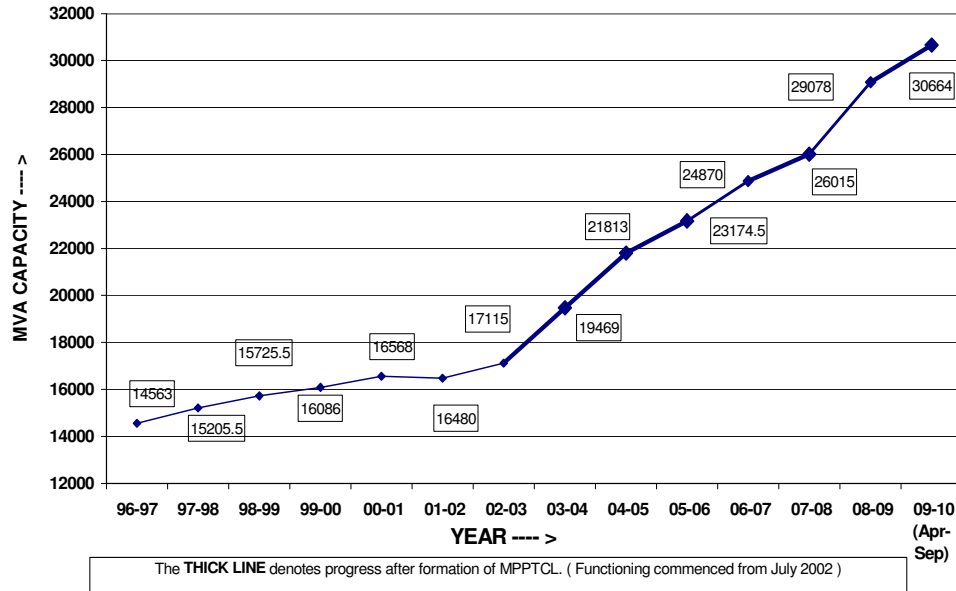
The Licensee has added 180 Ckt.-Kms of EHV Lines and 1586 MVA of transformation capacity during April-Sept.'09. The quarter-wise details are shown in the table given hereunder;

S. No.	Particulars	Capacity Added during		
		April-June '09	July-Sept. '09	TOTAL
1	400 KV Lines (Ckt.-Kms)	-	-	-
2	220 KV Lines (Ckt.-Kms)	-	-	-
3	132 KV Lines (Ckt.-Kms)	140	40	180
Total Lines (Ckt.-Kms)		140	40	180
4	400 KV S/s (MVA)	-	-	-
5	220 KV S/s (MVA)	320	480	800
6	132 KV S/s (MVA)	566	220	786
Total Sub-Stations (MVA)		886	700	1586

There has been consistent growth in the transmission system, since the transmission licensee started functioning (July 2002), as clear from the following trend curves;



EHV S/S CAPACITY AT THE END OF THE YEAR (CUMMULATIVE)



2.10 SLDC CONTROL -

The SLDC at Jabalpur has been upgraded with the State of Art technology based equipments provided for Supervisory Control & Data Acquisition (SCADA) under the unified Load Despatch & Communication (ULDC) project of Western Region. The SLDC is monitoring the activities through the SCADA System.

2.10.1 EQUIPMENTS -

The meters have been provided at all the 582 interface points for energy accounting and are in working condition.

RTUs are provided at 59 Points and all are in working condition. Most of the transducers provided for MW, MVAR, Voltage and Frequency are in service.

2.11 PERFORMANCE IMPROVEMENT THROUGH SYSTEM STRENGTHENING -

These are the areas where improvements are gradually coming up with the completion of works covered under Transmission Plan. An immediate jump to ideal conditions is not expected as these are linked to long term planning involving huge investments. These are discussed hereunder;

2.11.1 OVER LOADING OF EHV LINES –

The Licensee has a system of monitoring the loading on EHV Lines and to take remedial measures, both short term as well as long term in case of persistent overloading of lines. The top 10 lines with maximum congestion are reported under MIS to the Hon'ble Commission. The report in this regard for the two quarter was discussed by the Reporter of Compliance with the HODs, and the reasons for overloading and remedial measures are tabulated hereunder;

MIS Quarter - April 2009 To June 2009

	Name of top 10 lines with Max. congestion in terms of MW for continuously 2 hrs.	Max. Load MW	% loading (#)	Avg. Load	Remarks
1	PGCIL Damoh-Bina 220 KV	210	159.09	153	The position is expected to improve on commissioning of 400 KV S/s at Sagar scheduled in 2011-12.
2	Damoh-Garhakota 132 KV	78	156.00	48	Average load is within limit. Overloading is on account of some Contingency load.
3	Damoh-Sagar 220 KV	204	154.55	120	The position is expected to improve on commissioning of 400 KV S/s at Sagar scheduled in 2011-12.
4	Garhakota-Sagar 132 KV	76	152.00	46	Average load is within limit. Contingency load caused overloading.
5	Jabalpur-Shrinagar 132 KV	76	152.00	65	The position is expected to improve on commissioning of 2 nd Ckt. Of LILO of Jabalpur-Narsingpur 132 KV line at Shrinagar & Shahpura expected to be completed by March 2010.
6	Sabalgarh-Sheopur 132 KV	74	148.00	30	The average loading is within limit. Position is expected to improve further on commissioning of 2 nd Ckt. Of Sabalgarh-Sheopurkalan 132 KV line expected to be completed by March 2010.
7	Bhopal-Vidisha 132 KV	72	144.00	32	The average loading is within limit. Position is expected to improve further on commissioning of Vidisha 220 KV S/s scheduled for 2010-11.
8	Bina-Damoh 220 KV	190	143.94	98	The position is expected to improve on commissioning of 400 KV S/s at Sagar scheduled in 2011-12.
9	Bina-Pichhore 132 KV	70	140.00	44	Average load is well within limit. The maximum load is on account of certain contingency.
10	Nagda-Khachrod 132 KV	70	140.00	32	Average load is well within limit. The maximum load is on account of certain contingency.

Quarterly MIS - July 2009 To September 2009

Name of top 10 lines with Max. congestion in terms of MW for continuously 2 hrs.		Max. Load MW	% loading (#)	Avg. Load	Remarks
1	Indore-Jetpura 220 KV	240	181.82	136	The average load is nearly equal to SIL. The maximum load is on account of certain contingency.
2	Nagda-Khachrod 132 KV	90	180.00	80	On account of certain Contingency Load.
3	Bina-Pichhore 132 KV	84	168.00	61	On account of certain Contingency Load.
4	Pichhore-Datia 132 KV	80	160.00	50	The average load is within limit. The maximum load is on account of certain contingency.
5	Gwalior-Karera 132 KV	80	160.00	48	The average load is within limit. The maximum load is on account of certain contingency.
6	Damoh-Sagar 220 KV	211	159.85	91	The position is expected to improve on commissioning of 400 KV S/s at Sagar scheduled in 2011-12.
7	Bina-Gwalior-I 220 KV	200	151.52	149	The average load is nearly equal to SIL. The maximum load is on account of certain contingency.
8	Bina-Gwalior-II 220 KV	200	151.52	149	The average load is nearly equal to SIL. The maximum load is on account of certain contingency.
9	Itarsi-Barwaha-I 220 KV	200	151.52	146	The position is expected to improve on commissioning of LILO of 2 nd Ckt. Itarsi-Barwaha 220 KV line at Handiya scheduled for 2010-11.
10	Indore-Pithampur 220 KV	200	151.52	124	The position is expected to improve on commissioning of 400 KV S/s at Pithampur scheduled in 2010-11.

2.12 VOLTAGE VARIATION IN SUB-STATIONS –

From the MIS reports, it is seen that the MPPTCL is monitoring the problem of voltage variation beyond the limit prescribed in Grid Code, and taking remedial measures to include such Capital Works in Investment Plan which result in improvement in voltage profile. The MPPTCL completed important 220 KV Sub-stations which resulted in better voltage profile inspite of load growth in these areas. The overall improvement as compared to last year is shown in following table;

IST QUARTER

S. No.	Voltage class of Sub-station	Quarter ending June '08			Quarter ending June '09		
		No. of S/s	Voltage deviation beyond		No. of S/s	Voltage deviation beyond	
			Upper Limit	Lower Limit		Upper Limit	Lower Limit
1	400 KV	4	2	NIL	4	2	NIL
2	220 KV	38	NIL	NIL	44	NIL	NIL
3	132 KV	164	2	1	168	NIL	1
TOTAL -		206	4	1	216	2	1

IIND QUARTER

S. No.	Voltage class of Sub-station	Quarter ending Sept. '08			Quarter ending Sept. '09		
		No. of S/s	Voltage deviation beyond		No. of S/s	Voltage deviation beyond	
			Upper Limit	Lower Limit		Upper Limit	Lower Limit
1	400 KV	4	4	NIL	4	2	NIL
2	220 KV	39	NIL	NIL	45	NIL	NIL
3	132 KV	164	NIL	4	169	NIL	NIL
TOTAL -		207	4	4	218	2	NIL

There has been marked improvement in voltage profile, as compared to previous year, on account of completion of capital works promptly.

2.13 IMPACT OF THE REPORT –

Compilation of the MIS Report, and its close monitoring by the CMD, MPPTCL has resulted in the following positive impacts;

- i. Data reported under MIS report have given valuable feedback for chalking out Capital Investment Plan, and its modification during annual review, after seeking approval from Hon'ble State Commission.
- ii. Works completed helped in reduction of congestion on EHV lines and improved voltage profile.
- iii. On account of constant monitoring of system strengthening, there has been an appreciable reduction in transmission losses year after year.

3. TRANSMISSION PERFORMANCE STANDARDS -

3.1 REGULATIONS –

In accordance with the power conferred under Section 181 (za) of Electricity Act 2003, the MPERC (Transmission Performance Standards) Regulations, 2004 have been notified on 16th July 2004. The Standards have been classified in two categories;

Category – A (Mandatory Standards) –

- (a). Voltage variation.
- (b). Frequency Variation.
- (c). Safety standards.

Category – B

- a. System Availability
- b. Feeder Availability.
- c. Transformer Availability.
- d. Voltage Unbalance.
- e. Neutral Voltage Displacement.
- f. Voltage Variation Index.
- g. Frequency Variation Index.
- h. Harmonics in supply voltage.
- i. System Adequacy.
- j. System Security.

The above mentioned standards were fine tuned with reporting formats vide notification dated 6th June 2005.

The period of April-June '09 falls under the transition stage whereas July-Sept.'09 under final stage. The limits of standards are prescribed as hereunder;

S. No.	Parameter	Category	Permissible limits in transition stage	Final Stage
1	Voltage Variation	A	400 KV + 5% - 10% 220 KV ± 10% 132 KV ± 10%	400 KV + 5% - 10% 220 KV ± 10% 132 KV ± 10%
2.	Frequency Variation	A	+1% & - 2%	+1% & - 2%
3.	Safety Standards	A	As per IE Rules 1956.	As per IE Rules 1956.
4.	System Availability	B	97.0%	98.0%
5.	Feeder Availability	B	97.0%	98.0%
6.	Transformer Availability	B	97.0%	98.0%
7.	Voltage Unbalance	B	220/400 KV → 2%	220/400 KV → 2%

S. No.	Parameter	Category	Permissible limits in transition stage	Final Stage
			132 KV → 3%	132 KV → 3%
8.	Neutral Voltage Displacement	B	2% of full load current	2% of full load current
9.	Voltage Variation Index	B	< = 6 %	< = 4 %
10.	Frequency Variation Index	B	< = 1 %	< = 0.5 %
11.	System Adequacy	B	8000 Hours.	8664 Hours.
12.	Harmonics	B	No mandatory Requirement.	No mandatory Requirement.
13.	System Security	B	0.5 % of system peak.	1.0 % of system peak.

3.2 REPORTING BY THE LICENSEE –

The MPPTCL submitted the quarterly reports for both the quarter of year 2008-09 timely as mentioned hereunder;

S. No.	Period	Reference of submission
i.	April-June '09	04-01/CRA Cell/7464 dtd. 17.8.09
ii.	July-Sept.'09	04-01/CRA Cell/10317 dtd. 13.11.09

3.3 REPORTS FULLY COMPLIED –

The following reports are fully complied during all the quarters;

i.	Voltage Variation
ii.	Frequency Variation
iii.	Safety Standards
iv.	System Availability
v.	Feeder Availability
vi.	Transformer Availability
vii.	Voltage Unbalance
viii.	Neutral Voltage Displacement
ix.	Voltage Variation Index
x.	Frequency Variation Index
xi.	System Adequacy
xii.	Harmonics

3.4 REPORTS PARTIALLY COMPLIED –

(i). SYSTEM SECURITY –

System Security is basically a planning criteria. In accordance with the Clause 6 of “Manual on transmission planning criteria” of CEA, the State transmission system shall be able to withstand the n-1 contingency state. Presently, the transmission system of MPPTCL is capable of handling single contingency (1 element outage) with the little negative effect (under voltage, or increased line loadings) and there is no loss of supply observed to any consumer with the single element (generator, line or transformer) outage condition. Future planning for strengthening the system to withstand the n-1 contingency (1 element outage + 1 element outage in other area) and to assess the transmission requirement for the purpose is carried out by MPPTCL. To strengthen the transmission system to match with the specific criteria of the system security the MPPTCL has chalked out an Investment Plan of Rs. 5200 Crores for period 2007-08 to 2011-12.

However, it is reported by the licensee that no negative effect was experienced due to outage of any transmission system element during the period under report, system remained stable.

3.5 REPORTS NOT COMPLIED WITH –

There is no report which is not complied with.

3.6 POINTS OF BETTER PERFORMANCE –

The MPPTCL has shown better performance, in majority of the operational areas. These have been discussed under the MIS reports. Few of them are further illustrated hereunder;

3.6.1 TACKLING OF LOW VOLTAGE PROBLEM –

Transmission Performance Standards report specifically mention the minimum voltages at 400 KV, 220 KV, 132 KV and 33 KV buses of EHV Sub-stations.

It is seen from the reports that in both the quarters, the voltage in none of the 400 KV bus has gone down more than 3.75% as against the permissible limit of 10.00%. Similarly, in case of 220 KV buses, the voltage deviation on lower side remained within the permissible limit of 10% for all the 220 KV Buses.

In case of 132 KV and 33 KV buses too, in practically all the cases, the voltage variation is within limit. Only in one case, the voltage has gone lower than the limit and that too marginally, i.e. in case of 132 KV S/s Morena in quarter ending June '09 only.

3.6.2 VOLTAGE-WISE SYSTEM AVAILABILITY –

Target of Transmission System Availability for transition stage was 97.0% whereas the same for final stage commenced from July '09 is 98.0%. Voltage-wise achievements are shown in following table;

S. No.	System Voltage	Quarter April-June '09		Quarter July-Sept. '09	
		Target	Achieved	Target	Achieved
1	400 KV	97.00%	97.59%	98.00%	99.52%
2	220 KV	97.00%	98.11%	98.00%	98.53%
3	132 KV	97.00%	99.48%	98.00%	99.01%
OVER-ALL -		97.00%	98.22%	98.00%	98.88%

The Availability is higher than the target for all the voltage level and there is improvement in IInd quarter w.r.t. Ist quarter. The Availability is also higher than the annual availability of last year which was 98.16%.

3.6.3 VOLTAGE UNBALANCE –

Hon'ble Commission has prescribed standard limits for voltage unbalance as 2% for 220 KV & above and 3% for 132 KV. The achievements of the licensee are shown hereunder;

(i).	Quarter April-June '09	For none of the transformer bus, the voltage unbalance was found beyond standard limit.
(ii).	Quarter July-Sept.'09	-do-

3.6.4 NEUTRAL VOLTAGE DISPLACEMENT –

In none of the transformer, the Neutral Voltage Displacement was found above the limit prescribed during the two quarter of the year.

3.6.5 VOLTAGE VARIATION INDEX –

The limit for Voltage Variation Index has been prescribed as 6% during transition stage and 4% in final stage commenced from July '09. As per the Regulations, atleast for 90% buses VVI should be within limit. The achievements are quite good in this regard during the two quarter as mentioned in following table;

S. No.	Voltage	Quarter April-June '09			Quarter July-Sept. '09		
		Total No. of Buses checked	No. of Buses where VVI is in limit	Percentage	Total No. of Buses checked	No. of Buses where VVI is in limit	Percentage
1	400 KV	4	4	100.00%	4	4	100.00%
2	220 KV	45	45	100.00%	46	42	91.3%
3	132 KV	208	208	100.00%	212	206	97.1%

3.7 IMPROVEMENTS RELATED TO INVESTMENT PLAN –

Improvement in System Security is linked to completion of Capital works under Transmission Plan, which are being executed by the MPPTCL.

3.8 EFFECT OF INSTALLATION OF SHUNT CAPACITORS –

The MPPTCL installed 12 MVAR 33 KV Shunt Capacitors at certain 132 KV Sub-stations in the last quarter of year 2007-08. This has resulted in improvement in voltage profile of 33 KV Buses in these Sub-stations. The effect is sustained in 2008-09 and 2009-10, as may be seen from following table;

FIRST QUARTER

S. No.	Name of 132 KV Sub-station	Max. Percentage Voltage Variation lower side.		
		April-June '07	April-June '08	April-June '09
1	Jora	9.09%	6.06%	5.94%
2	Satya Sai (Indore)	9.09%	7.58%	6.06%
3	Marhotal (Jabalpur)	3.03%	0.00%	4.55%
4	Khachrod	12.12%	9.09%	6.06%
5	Jeerapur	3.03%	1.52%	1.52%
6	Sheopur Kalan	9.09%	6.06%	7.58%
7	Mansakra	6.06%	4.85%	5.45%
8	Tigra Road	9.09%	6.06%	9.09%

SECOND QUARTER

S. No.	Name of 132 KV Sub-station	Max. Percentage Voltage Variation lower side.		
		July-Sept. '07	July-Sept. '08	July-Sept. '09
1	Jora	9.09%	6.06%	6.06%
2	Satya Sai (Indore)	9.70%	7.58%	6.06%
3	Marhotal (Jabalpur)	3.03%	0.30%	1.21%
4	Khachrod	9.09%	9.09%	9.09%
5	Jeerapur	3.03%	1.52%	1.52%
6	Sheopur Kalan	21.21%	9.09%	7.58%
7	Mansakra	3.94%	2.42%	4.55%
8	Tigra Road	3.03%	9.09%	9.09%

It is seen from above comparison that barring one / two cases where effect may have been compensated by other factors, there is an improvement in voltage profile on installation of Shunt Capacitors.

3.9 **IMPACT OF REPORT** –

The information gives valuable feed back to Transco as well as Discoms to plan their works for improvement and better services to consumers. It may be seen that the works planned and completed have resulted in relaxing the congestion and improvement in voltage profile.

4. MP ELECTRICITY GRID CODE -

4.1 COMPLIANCE UNDER MP ELECTRICITY GRID CODE -

The following compliances have been prescribed to be reported by the Reporter of Compliance under Grid Code.

- i. Constitution of Grid Code Review Committee.
- ii. Meetings of the Grid Code Review Committee.
- iii. Prospective Transmission Plan.
- iv. Demand Forecast for 10 years.
- v. Reactive Power Planning.
- vi. Reporting of Major Failure.

(i) & (ii) CONSTITUTION OF COMMITTEE AND ITS MEETINGS -

The Grid Code Review Committee as well as the Functional Committees to be constituted under MP Electricity Grid Code have been constituted and are functioning regularly as mentioned in the following table;

S. No.	Name of Committee	Constituted on	Meeting held on
1	Grid Code Review Committee	3.2.05	1 st meeting – 12.7.05 2 nd meeting – 14.12.05 3 rd meeting – 11.07.06 4 th meeting – 25.06.07 5 th meeting – 25.02.08 6 th meeting – 27.02.09
2	Operation Coordination Committee	12.7.05	1 st meeting – 9.09.05 2 nd meeting – 10.11.05 3 rd meeting – 24.01.06 4 th meeting - 12.04.06 5 th meeting – 28.06.06 6 th meeting – 14.11.06 7 th meeting – 20.03.07 8 th meeting – 25.06.07 9 th meeting – 29.10.07 10 th meeting – 13.02.08 11 th meeting – 17.07.08 12 th meeting – 23.10.08 13 th meeting – 04.02.09 14 th meeting – 14.05.09
3	Protection Coordination Committee	12.7.05	1 st meeting – 16.07.05 2 nd meeting – 29.03.06 3 rd meeting – 8.06.06. 4 th meeting – 21.11.06 5 th meeting – 20.3.07 6 th meeting – 23.07.07

S. No.	Name of Committee	Constituted on	Meeting held on
			7 th meeting – 29.10.07 8 th meeting – 11.02.08 9 th meeting – 23.06.08 10 th meeting – 16.10.08 11 th meeting – 19.01.09 12 th meeting – 19.05.09 13 th meeting – 10.08.09 14 th meeting – 19.11.09
4	Transmission Metering Committee	12.7.05	1 st meeting – 6.09.05 2 nd meeting – 28.06.06 3 rd meeting – 22.06.07 4 th meeting – 13.02.08 5 th meeting – 26.02.09 6 th meeting – 15.09.09

4.2 TRANSMISSION PLAN -

The MPPTCL formulated the Transmission Plan for period 2007-08 to 2011-12 (11th Plan period) and submitted to the Hon'ble Commission in July 2007. Hon'ble Commission desired certain additional information which were filed by the MPPTCL vide letter No. 04-01/Const. Tariff/9804 dtd. 01.12.07. The gist of the Plan is as given below;

- | | |
|--|------------------------|
| (i). Addition in EHV Lines (2007-08 to 2011-12) | 15,988 Ckt. KM. |
| (ii). Addition in Transformation Capacity (2007-08 to 2011-12) | 18,593 MVA |
| (iii). Investment Required (2007-08 to 2011-12) | Rs. 6805 Crores |

The Plan has been approved by Hon'ble Commission provisionally vide its order dated 19.03.08, passed in the matter of True-up of Transmission Tariff for financial year 2006-07 (Petition 62/2007).

While making annual review of the Plan in April 2008, it was noticed by the Licensee that Shahpura Thermal Power Station (1000 MW) and Birsinghpur Thermal Power Station's extension unit (500 MW) which were earlier scheduled in 11th Plan are now expected to be completed in 12th Plan period. The evacuation and Associated Transmission Systems have accordingly been shifted to 12th Plan period, to avoid idling of the Assets. The 11th Plan (transmission) has therefore got down sized to Rs. 5200 Crores in place of Rs. 6805 Crores. The gist of the Plan is given hereunder;

S. No.	Particulars	Provision in Plan 2007-08 to 2011-12	
		Physical	Financial (Rs. Crores)
1	400 KV Lines	1129 Ckt. Kms.	867.37
2	220 KV Lines	5498 Ckt. Kms.	980.07
3	132 KV Lines	4937 Ckt. Kms.	1044.86
TOTAL Lines -		11564 Ckt. Kms.	2892.30
4	400 KV S/s	2520 MVA	390.81
5	220 KV S/s	6980 MVA	915.95
6	132 KV S/s	4811 MVA	961.14
7	MISC Works	-	39.80
Total Sub-Stations -		14311 MVA	2307.70
Grand Total (Transmission Plan) -		-	5200.00

Physical and financial progress for 2008-09 has been sent to Hon'ble Commission vide letter No. 04-01/CRA Cell/5493 dtd. 16.06.09. The updation in Plan has also been submitted vide letter No. 04-01/CRA Cell/F-65/5958 dtd. 29.06.09

The report on annual review of plan is submitted to Hon'ble Commission each year.

4.3 DEMAND FORECAST -

The Demand Forecast has been furnished by the MPPTCL as an integral part of the Transmission Plan.

4.4 REACTIVE POWER PLANNING EXERCISE -

While proposing the additional lines and sub-stations, the licensee has taken into consideration the handling of reactive power, as a Planning Exercise.

4.5 REPORTING BY SLDC -

In compliance of the Clause No. 14.1.1 of the MP Electricity Grid Code, the OSD(Load Despatch) is submitting a monthly report to the Hon'ble Commission covering the following parameters;

- i. Frequency Profile.
- ii. Voltage Profile.
- iii. Major Generation and Transmission Outages.
- iv. Transmission Constraints.
- v. Instances of Persistent / Significant Non-compliance of Grid Code.

No non-compliance of Grid Code has been reported in the SLDC's reports.

4.6 FOLLOW UP OF GRID CODE REVIEW COMMITTEE'S RECOMMENDATIONS -

In Grid Code Committee's meeting dated 25.6.07, it was resolved that a token penalty may be imposed on excessive trippings on feeders emanating from EHV Sub-stations. The recommendations were submitted to the Hon'ble Commission. Hon'ble Commission directed to submit it in a petition's form. Accordingly, the petition has been filed by the licensee before the Hon'ble Commission and the same is registered as petition No. 61/07. During hearing on the above mentioned petition, Hon'ble Commission directed to devise a monitoring system to review and report tripping on the identified 33 KV and 11 KV feeders emanating from EHV Sub-stations. This resulted in more effective persuasion with the Distribution Companies. The number of trippings per month are still on much higher side, however, an appreciable reduction is seen in year 2007-08 as compared to year 2006-07.

This issue was further discussed in the 10th meeting of the Protection Coordination Committee on 16.10.08. The Joint Director, MPERC, also participated in the meeting. Certain measures were suggested in the meeting to reduce the number of trippings on 33 KV feeders.

After hearing on 24th November '09, Hon'ble Commission has disposed off the petition No. 61/07 with directions to review the tripping on 33 KV feeders emanating from EHV S/s in the meeting of Protection Coordination Committee and Discoms should take measures to reduce number of trippings.

5. LICENSE CONDITIONS -

5.1 The MPPTCL has complied with the conditions of License prescribed by the Hon'ble Commission. The status of compliance has been updated time to time. The current position is tabulated hereunder;

Clause No.	Particulars	Whether the condition under clause has been fulfilled by the Company (Yes/No)	If yes, the reference of the compliance report should be given	If no, Reasons for not fulfilling the condition	The expected date of which it shall be complied	REAMRKS
7.2 (b) (ii) and (iv)	Submission of interim profit and loss account, cash flow statement and balance sheet for first/second six months of financial year.	Yes	Sent vide No. CFO/MPERC/6719 dtd. 20.07.09 for Ist half year of 2008-09.	N.A.	N.A.	IInd Half yearly accounts for 2008-09 incorporated in Annual Account has been sent on 14.10.09.
7.2 (b) (ii) and (iv)	Submission of financial statement (Annual)	Yes	Sent vide No. 04-01/ CRA Cell/F-139/9357 dtd. 14.10.09.	N.A.	N.A.	N.A.
9.1	Submission of information in the prescribed enclosed formats of Condition of license	Yes	Sent vide No. 04-01/ CRA Cell/ F-8/ 3829 dtd. 29.4.09.	N.A.	N.A.	Complied.
9.3	Information of incident affecting any part of the Transmission system.	Yes	N.A	N.A	N.A	No major incident occurred during year 2009-10 till Sept.'09.
9.9	Submission of 5 year Business Plan	Yes	Sent vide No. 04-01/ Const. Tariff/9804 dtd 01.12.07. Approved by Hon'ble Commission 19.3.08.	N.A.	N.A.	Complied. Annual up-dation submitted in March '09.
9.10	Subsequently the progress of Business Plan of previous year alongwith the proposal for updating the Business Plan for next 5 years.	Yes	Updation of Investment Plan incorporated in Business Plan submitted in March '09.	N.A.	N.A.	Complied.
10.2	Submission of 5 Year	Yes	Sent vide No.	N.A.	N.A.	Hon'ble

Clause No.	Particulars	Whether the condition under clause has been fulfilled by the Company (Yes/No)	If yes, the reference of the compliance report should be given	If no, Reasons for not fulfilling the condition	The expected date of which it shall be complied	REAMRKS
	Investment Plan (Correlated with the Business Plan)		04-01/ 9804 dtd. 01.12.07			Commission has given approval on 19.03.08. Updation submitted vide letter No. 5958 dtd. 29.06.09.
10.2 (a)	Annual Investment plan with details of investment schemes to be carried out during the financial year, subsequently the progress of Investment plan of previous year alongwith the proposal for updating the Business Plan for next 5 year.	Yes, inbuilt in 5 Year Plan.	Sent vide No. 04-01/ CRA Cell/5373 dtd. 03.06.08	N.A.	N.A.	Complete Revised Plan 2007-08 to 2011-12 filed for approval on 03.06.08. Annual Review submitted vide letter No. 04-01/CRA Cell/ 5493 dtd. 16.06.09.
10.4	Existing tendering procedure for approval of the Commission	Yes	Sent vide No. 04-01/ Const. Tariff/6298 dtd. 8.7.09.	N.A.	N.A.	Sent tendering procedure for general procurement as well as for procurement under ADB Loan. Revised tendering document being submitted.
17	Implementation & compliance of Grid Code	Yes	Compliance reported vide letter No. 04-01/Const. Tariff/4878 dtd. 20.6.07.	N.A.	N.A.	Complied. Monthly report on Grid Code compliance is being sent regularly by SLDC.
18.2	The Licensee to submit the existing Planning and Security Standards and the Operating Standards for the Transmission for the approval of the Commission.	Yes	Sent vide No. 04-01/ Const. Tariff/4935 dtd. 21.7.05.	N.A.	N.A.	The MPPTCL is using the Planning & Security code prescribed by the CEA, which has been sent to Hon'ble Commission.
18.3 (a)	The Licensee to submit the proposal for Transmission	Yes	Transmission operating standards	N.A.	N.A.	Transmission plan is formulated as per CEA's standards.

Clause No.	Particulars	Whether the condition under clause has been fulfilled by the Company (Yes/No)	If yes, the reference of the compliance report should be given	If no, Reasons for not fulfilling the condition	The expected date of which it shall be complied	REAMRKS
	Planning and Security Standards and Transmission Operating Standards for approval of the Commission		defined in Transmission Performance Standards submitted on quarterly basis.			A brief report has been sent vide letter No. 04-01/Const. Tariff/3490 dtd. 30.4.07.
18.10 (a)	The Licensee shall on an annual basis forecast the quantum of power to be wheeled through its transmission system based on the forecast made available by Users within the Area of Transmission in each of the next succeeding five years.	Yes	Covered in transmission plan energy requirement for next 5 years.	N.A.	N.A.	Projections submitted in MYT petition; 09-10 – 35996 MU 10-11 – 37796 MU 11-12 – 39686 MU.
18.10 (b)	The Licensee shall estimate the quantum of Inter-State transmission that will occur through its wires in each of the succeeding five years.	Yes	Sent vide letter No. 04-01/Const. Tariff/1433 dtd. 15.2.06.	N.A.	N.A.	Complied. No major contribution in Inter-State transmission.
18.10 (c)	The licensee shall prepare and submit forecasts to the Commission in accordance with the guidelines issued by the Commission from time to time.	Yes	Submitted in Transmission Plan.	N.A.	N.A.	Complied. Transmission capacity forecast in MYT petition. 09-10 – 8091 MW 10-11 – 8656 MW 11-12 – 8241 MW.
18.11	The Licensee shall submit to the Commission a report indicating the performance of the Transmission System during the previous financial year.	Yes.	Sent vide No. 04-01/ CRA Cell/6943 dtd. 25.07.09 for year 2008-09.	N.A.	N.A.	Complied.

Clause No.	Particulars	Whether the condition under clause has been fulfilled by the Company (Yes/No)	If yes, the reference of the compliance report should be given	If no, Reasons for not fulfilling the condition	The expected date of which it shall be complied	REAMRKS
19.4	<p>The Licensee shall submit to the commission on annual basis, a statement showing in respect of each of the 5 succeeding financial years forecasts of circuit capacity, power flows and loading on the Transmission System under standard planning criteria, together with:</p> <p>(a) such further information as shall be reasonably necessary to enable any person seeking Use of System to identify and evaluate the opportunities available when connecting to and making use of such system; and</p> <p>(b) a commentary prepared by the Licensee indicating its views as to those parts of its Transmission System most suited to new connections and transport of further quantities of electricity.</p>	Yes	Incorporated in Transmission Plan	N.A.	N.A.	Complied.
	(a) such further information as shall be reasonably necessary to enable any person seeking Use of System to identify and evaluate the opportunities available when connecting to and making use of such system; and	Yes	Put up on Website. A map of Generation V/s Load sent vide letter No. 04-01/ CRA Cell/F-8/7248 dtd. 06.08.2009.	N.A.	N.A.	Complied.
	(b) a commentary prepared by the Licensee indicating its views as to those parts of its Transmission System most suited to new connections and transport of further quantities of electricity.	Yes	Sent vide No. 04-01/ CRA Cell/2348 dtd. 06.08.09.	N.A.	N.A.	Complied. Power map of MPPTCL updated as on 31.03.09 is on Website.
20	Submission of ARR	Yes	* Petition for FY 05-06 and FY-06-07 to FY 08-09 (MYT) have	N.A.	N.A.	Tariff orders issued by Hon'ble Commission on 7.2.06 & 13.3.06 respectively.

Clause No.	Particulars	Whether the condition under clause has been fulfilled by the Company (Yes/No)	If yes, the reference of the compliance report should be given	If no, Reasons for not fulfilling the condition	The expected date of which it shall be complied	REAMRKS
			<p>been submitted. * True up petition for 05-06 submitted on 07.11.06.</p> <p>* True-up Petition for year 2006-07 filed on 15.10.07.</p> <p>*True-up petition for 07-08 filed on 12.10.08.</p> <p>*MYT Petition for FY-10 to FY-12 submitted on 05.06.09.</p> <p>*True-up petition for 2008-09 filed on 17.12.09.</p>			<p>True up order for 05-06 issued on 07.02.07.</p> <p>True-up order for year 2006-07 issued on 19.03.08.</p> <p>True-up order for year 2007-08 is issued on 21.10.09.</p> <p>Petition is under consideration of Hon'ble Commission.</p> <p>Petition is under consideration of Hon'ble Commission.</p>

5.2 As per the above mentioned table practically all the issues have been complied.

6. OPEN ACCESS REGULATIONS –

Under the Open Access Regulations notified by the Hon'ble Commission on 24.6.05, the MPPTCL has taken following actions in compliance of the regulations;

- i. Nodal Officers have been appointed for Long Term as well as Short Term Open Access and their offices are functional.
- ii. Committee to decide the Open Access at the level of the licensee has been constituted.
- iii. Nominations have been sent to the Hon'ble Commission for 'Decision Review Committee'.
- iv. The guidelines on Long Term Open Access drafted and sent by the MPPTCL have been approved by the Hon'ble Commission and these have been displayed on the Website of the MPPTCL.
- v. The draft of the Transmission Service Agreement for Open Access customers has also been approved by the Hon'ble Commission and displayed on the Website.
- vi. **Agreement between Nodal Agency and Open Access Customers-**

The Transmission Service Agreements between the MPPTCL and the Discoms have been executed in November 2006.

At present there is one Long Term Open Access customer i.e. SEZ, Pithampur (other than Discoms). The agreement has been executed on 29.1.05 and a copy of the agreement has been sent to the Hon'ble Commission on 23.2.05. In addition to above long term Open Access is granted to certain wind generators recently, whose agreements have been executed and are under execution in few cases. The Open Access to Non Conventional Energy Source based generators is to be provided under State Govt. Policy of 17th October 2006.

- vii. **Relinquishment of transfer of Long Term Open Access right -**

There has been no such case till date.

- viii. **CERC's Regulations Dated 25th January 2008 -**

Hon'ble Central Commission has notified CERC (Open Access in Inter-State Transmission) Regulations, 2008 on 25.01.2008. The Regulations are mainly applicable to the Short Term Open Access. The Regulations provide transmission charges in Rs./MWH for Short Term Open Access customers.

The CERC has recently amended above Regulations which are applicable since 15th June 2009.

6.1 ACTUAL AVERAGE LOSSES –

The energy losses during the past five (5) years are as hereunder;

03-04	-	6.12%
04-05	-	5.62%
05-06	-	5.23%
06-07	-	5.00%
07-08	-	4.09%
08-09	-	4.09%
09-10	-	4.20% (Provisional)

(Upto Sept.'09)

Above figures indicate a reducing trend of transmission losses, inspite of increase in energy handled every year. The figures for first two quarter of year 2009-10 are provisional and under scrutiny.

7. SLDC FUNCTIONS -

7.1 SLDC FEES AND CHARGES REGULATIONS –

The regulations have been notified on 21st Sept.'04. The State Govt. has already declared the Load Despatch Centre at Jabalpur as the State Load Despatch Centre under Electricity Act 2003 vide State Govt. order No. 2489/13104 Bhopal dtd. 17.5.05. The SLDC is submitting petition for determination of fee & charges regularly and getting them approved by Hon'ble Commission.

7.2 SEPARATE FINANCE ACCOUNT FOR SLDC -

The separate account in the name of RAO, MPPTCL – SLDC has been opened in State Bank of India, Jabalpur in July '05.

The final Opening Balance Sheet notified on 12.06.08 does not provide separate Balance Sheet for SLDC. However, value of Assets of SLDC is separately indicated.

7.3 APPLICATION FOR CONNECTION TO STATE GRID –

The generation system of MP Genco and transmission system of MPPTCL is already connected to the State Grid. The NHDC has submitted application alongwith fees to SLDC for connectivity of their plants to the State Grid.

7.4 DETERMINATION OF FEES & CHARGES –

The SLDC has getting approval of fees & charges every year as shown hereunder;

S. No.	Year	Date of filing petition	Date of MPERC order
1	2006-07	20.05.06	13.10.06.
2	2007-08	12.05.07	10.01.08
3	2008-09	24.12.07 (Revised on 26.04.08)	20.02.09 (Revised 15.04.09)
4	2009-10	28.11.08 (Revised on 25.07.09)	26.11.09
5	2010-11	27.11.09	Under process.

7.5 TREATMENT OF OTHER BUSINESS OF LICENSEE –

The regulations in this regard have been notified by the Hon'ble Commission on 1.6.04. However, the MPPTCL has not carried out any other business during the period of report. A certificate has already been submitted by the Licensee to the Hon'ble Commission in this regard.

OBSERVATIONS BY THE CMD (MPPTCL) ON COMPLIANCE OF VARIOUS REPORTS

8.1 SUBMISSION OF PERIODICAL REPORTS -

Submission of various reports under Regulatory compliance were discussed by the CMD, MPPTCL with the Reporter of Compliance, and it was noted that the periodical reports have been submitted within the due dates. Other reports have also been submitted timely. It was desired that the reports in future should also be submitted to the Hon'ble Commission in time. The instant report formulated by the Reporter of Compliance was also discussed, and the observations of the CMD, MPPTCL on certain points are mentioned hereunder;

8.2 MIS REPORTS -

The following important issues were discussed;

8.2.1 Tackling Low Voltage Problem -

In the quarter April-June '09, out of 216 EHV S/s in case of only one sub-station voltage deviation has been found beyond lower limit, whereas in July-Sept.'09, there is no such case. The CMD, MPPTCL expressed happiness that this is a remarkable tangible outcome of the implementation of Transmission Plan work. This figure varied between 40 to 50, when the MPPTCL took over transmission activities from the Board i.e. before implementation of Transmission Plan. It is expected that with further execution of plan works, the MPPTCL will be able to maintain this voltage profile even in Rabi season.

8.2.2 Overloading of EHV Lines -

It is observed that with the commissioning of new EHV lines and Sub-stations, the quantum of overloading on lines has been reduced, and in many cases this is due to certain contingency arrangements. Remedial works in most of cases are expected to complete in year 2009-10.

8.2.3 Transmission System Availability -

There is a gradual improvement in Transmission System Availability i.e. 99.22% in Ist quarter and 98.99% in IInd quarter as against 98.16% last year. The Availability is above the target fixed in both the quarters. The CMD, MPPTCL advised the field staff for attending the outage promptly to ensure better Availability.

8.2.4 Intra-State Transmission Losses -

The CMD, MPPTCL has already taken a note of the transmission losses during the two quarters. The losses during July-Sept.'09 quarter appear to be on higher side. A

Committee of HODs was constituted vide order No. AS/MPPTCL/ XI/2606 dtd. 03.11.09, to analyse the reason for trend of higher losses, and suggest remedial measures. The Committee has preliminarily identified certain areas, such as flow of Inter-State power through 220 KV lines to Rajasthan, switching in/out of 400 KV reactor at Nagda Sub-station, power flow between Bina and Gwalior 400 KV Sub-station. The Committee will go into further detailed analysis, and take remedial measures to control transmission losses. No target of transmission losses has been fixed by Hon'ble MPERC for 2009-10 onwards, however, the transmission losses during April-Sept.'09 are 4.20%, which are well within target of 4.90% prescribed by Hon'ble Commission during last year i.e. 2008-09.

8.3 TRANSMISSION PERFORMANCE STANDARDS -

The CMD, MPPTCL observed that the performance of the Company in case of voltage-wise System Availability, Voltage Unbalance, Neutral Voltage Displacement, Voltage Variation Index is above the Performance Standards fixed under the Performance Standard Regulations. This indicates quality of supply made available to the Distribution Licensees through the transmission system.

The CMD however, observed that the benefits of commissioning of Sub-stations by the Distribution Licensees can be obtained to much more extent, if they match the programme of re-orientation of 33 KV feeders emanating from EHV Sub-stations, on commissioning of a new EHV Sub-stations in that area. There is a need to control reactive drawal on these 33 KV feeders.

8.4 MP ELECTRICITY GRID CODE -

Position of convening the meeting of Grid Code Review Committee and other functional Committee was discussed. The meeting of Grid Code Review Committee is due, for which it was advised to take necessary action.

It was also noted by the CMD, MPPTCL that the Petition No. 61/07 regarding excessive tripping on 33 KV feeder emanating from EHV Sub-stations has been disposed off by the Hon'ble Commission, with direction to review the matter further in the meeting of Protection Coordination Committee. The CMD directed that continuous watch should be kept in the meetings to ensure that the Discoms take measures to reduce the number of trippings on 33 KV feeders emanating from EHV Sub-stations.

8.5 OPEN ACCESS -

It is observed that the procedures to avail Open Access are in place and available on website.

8.6 SLDC ACTIVITY –

The SLDC is regularly submitting the monthly reports to the Hon'ble Commission. No transmission constraints have been reported so far.

The CMD, MPPTCL noted the actions taken by the SLDC on notification of Balancing & Settlement Code in October 2009.

The SLDC has filed the petition for determination of fees & charges for year 2010-11 in November 2009.

8.7 ACKNOWLEDGEMENT –

It is observed that in overall scenario, the Transmission Licensee has ensured the desired standard of performance as stipulated in various Regulations. This has been possible with the valuable guidance and support by the Hon'ble Commission, the State Government and Board of Directors of the Company. Untiring efforts put-up by the officers and staff of the Company turned the expectations into achievements. Under active support from all the corners, the Company is committed to achieve standards upto the aspirations and goals set for it.

HALF YEARLY REGULATORY COMPLIANCE REPORT
APRIL - SEPTEMBER 2009

To,

The Madhya Pradesh Electricity Regulatory Commission,
4th & 5th Floor, Metro Plaza,
E-5, Arera Colony, Bittan Market,
BHOPAL – 462016.

M.P. Power Transmission Company Ltd., Jabalpur reports as follows:-

1. The enclosed report is 'Half Yearly Compliance Report' for the period April-September 2009 and has been prepared in a manner that meets the requirement of the compliance systems and reporting.
2. The enclosed report covers information about all the details that were to be furnished to the Commission during the period specified at Serial No. 1 above.
3. Enclosed report is being submitted to the Board of Directors for their approval.
4. The licensee having made due enquiry, is not aware of any breach of any of the obligations of license conditions or regulations.

Dated the 30th Day of December 2009.

Signed

(D. P. Saxena)
Reporter of Compliance

Signed

(R. K. Verma)
Chairman and Managing Director