



# ANNUAL ADMINISTRATION REPORT



**FY-2007-08**

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## **BRIEF PROGRESS OF VARIOUS SCHEMES**

### **1) 33 kV and 22 kV lines and sub- stations commissioned during the year 2007-2008:-**

During the year 2007-2008 the M.S.E.D.C.Ltd. commissioned 62 new (33/11kV, 22/11 kV) Sub-Stations. The transformer capacities have also been augmented at 80 existing 33 kV Sub-Stations during the year under system improvement scheme.

<b>Sr. No.</b>	<b>Particulars</b>	<b>Achievement During 2007-2008</b>
1.	Capacity added in S/Stn.33/11 kV,33/22 kV and 22/11 kV	714.20 MVA
2.	Sub-transmission lines energized 33 kV, 22 kV	1068.94 Ckt-km

### **2) System Improvement Schemes :**

In order to reduce the distribution losses 62 nos. of new substations are added during year 2007 - 2008 as above.

Further to reduce the commercial losses, the static meters were installed in place of electro mechanical meters and for faulty meters replacement. This work has been especially taken up in the urban areas in year 2007 - 2008 and in Rural areas faulty meters were replaced by high precision meters.

### **Accelerated Power Development Reform Programme (APDRP)**

The A.P.D.R.P. schemes for 20 districts / towns sanctioned in 2002-03 and 2003-04 amounting Rs. 1136.54 Crores is nearing completion. In these schemes 63 substations are commissioned and expenditure incurred is Rs. 821.78 Crores till March'2008. Further during 2004-05 and 2005-06, G.O.I. has sanctioned 11 schemes for towns under APDRP phase-2 amounting to Rs. 237.53 Crores and expenditure incurred Rs. 109.07 Crores till March'2008.

During 2006-07, G.O.I. has given 'In Principle Approval' for 22 nos. of town schemes under APDRP Phase-3 amounting to Rs. 252.70 Crores. These schemes will be executed after XI<sup>th</sup> restructured APDRP Plan.

### **Japan Bank for International Co-operation (JBIC) :**

There are nine Nos. of the scheme covering 9 Nos. Districts for System Improvement are sanctioned by JBIC for loan assistance under phase - I. The 9 districts covered are namely Sangli, Jalgaon, Ahmednagar, Nandurbar, Wardha, Pune, Solapur , Nagpur & Nashik & the total cost of these schemes is Rs. 59.34 Cr. But out of these 9 Nos. of schemes, 1 No. of scheme i.e. Nagpur (MH-6) is dropped. Therefore, 8 Nos. of schemes are remaining under JBIC & the total cost of these schemes is Rs. 49.23 Cr. & total value of award of these schemes is Rs. 56.37Cr.

Total 19 Nos. of New S/stn . are covered under these scheme, out of which 2 Nos. namely Ralegaon Therpal & Bhanas Hiwre S/stn. are commissioned. Similarly, 20 Nos. of Aug. & Addl. T/f for 33 KV S/stn. are covered under these scheme, out of which 1 No. Additional T/f at Panumbre S/s is Charged. The total 33 Kv line is 228.5 is covered under these schemes, out of which 29.18 km line is completed. Tentative date for the completion of these scheme is March-09.

### **Infrastructure Plan**

Execution of Infrastructure Projects was partly Departmentally (Urgent Six months work) and partly on Turnkey basis.

The target for Departmental works for the year 2007-2008 is worth Rs. 655.78 Crores and the achievements for the year 2007-2008 is Rs. 277.76 Crores as on March 2008.

### **Single Phasing**

Due to limitations of the available Generation capacity especially during morning & evening peaks; the load shedding is required to be done. In order to make available supply to domestic consumers during peak load hours especially in the evening and night, single phasing scheme is being implemented.

Single phasing is done in two stages i.e. Phase – I & Phase – II. Single phasing Phase – I is completed in July 2006 so most of its works done in the year 2005-2006.

Under Single phasing Phase – II, achievements done is given as below:-

<b>Sr. No.</b>	<b>Details</b>	<b>Target</b>	<b>Achievements as on 31.03.2007</b>
1	No. of substations	308	290
2	No. of feeders	767	758
3	No. of DPS	7124	7025
4	No. of villages covered	3926	3812
5	Load relief in MW	920	704
6	Expenditure upto March 2008 (Rs. in Crores)	221.43	211.33

**Gaothan Feeder Separation Scheme (GFSS):-**

The Gaothan Feeder Separation Scheme, Phase – I is sanctioned for 20 districts. Total feeders to be commissioned are 1515 nos. and the scheme is expected to be completed by the end of Dec'08. In this scheme 869 feeders were commissioned upto March 2008. Total 2904 villages, out of targeted 7517 villages were benefited till March 2008. The total load relief of 968 MW against 1976 MW is obtained due to this work. The expenditure upto March 2008 is Rs. 292.67 Crores.

**3) Reactive Power Planning for reducing T&D losses :**

The capacitor banks totaling 4283.31 MVAR are installed as on 31-03-2007. This includes capacitor installed at EHV and HV level during 2007-08 is 156.54 MVAR. Similarly the capacitors provided on distribution transformer centers are totaling 2050.60 MVAR.

#### 4) **NON CONVENTIONAL SOURCES OF ENERGY :**

##### **Wind Energy Projects in Maharashtra State :**

Wind Mill generators are installed at Vankusavde / Thoseghar/ Chalkewadi, Dist. Satara, Dhalgaon / Gudapanchgani, Dist. Sangli, Kovdyadongar / Supa, Dist. Ahmednagar and Bhramanwel Dist. Dhule / Motha Dist. Amravati by MEDA & other private agencies (Developers).

As per MERC order dated 24/11/2003 and M.S.E.D.C.Ltd. policy, the wind farm developers has commissioned their wind mill generator of total capacity 1546.625 MW up to 31 - 03 - 2008. Group – I Project, commissioned upto 27.12.1999 is 31.988 MW + Group – II Project, commissioned after 28.12.1999 upto 31.03.2003 is 366.54 MW + Group – III Project commissioned, after 01.04.2003 upto 31.03.2008 is 1148.097 MW.

A Cogeneration facility is defined as one, which simultaneously produces two or more forms of useful energy such as electrical power and steam.

As such, the EPA's executed are 40 Nos. involving installed generation capacity to the tune of 464.36 MW. The installed generation capacity in operation as on 31.05.08 is to the tune of 193.50 MW. The purchase rate by MSEDCL is @ Rs. 3.05 per unit with an escalation of 2% per anum on compounded basis in line with MERC order dt:- 16/08/2002.

Further, GOM has initiated various schemes to encouraged such generation in the State.

##### **Biomass (IPP) Projects:-**

The EPA's executed are to the tune of 17 Nos. having capacity 181 MW. The installed generation capacity in operation as on 31/05/2008 is to the tune of 24 MW. MERC vide order dt:- 08/08/2005 has approved 2 part tariff i.e. fixed & Variable charge for procurement of power from such Biomass based projects.

5) **RURAL ELECTRIFICATION 2007-2008 :**

i) **Village Electrification and Energisation of Agricultural Pumps :**

100% village electrification has been achieved in Maharashtra State as on 31-03-1989. However as per revised definition of village electrification and as per 2001 census out of 41095 nos. of villages and 377 Nos. of towns as per 2001 Census, 36312 nos. of villages and 377 nos. of towns have been electrified as on 31.03.08 as per preliminary survey carried out. The company has energized 118076 agricultural pumpsets during the year 2007-2008. With the implementation of this programme, total pumpsets energized in the State are 28,97,155 which is the highest achievement among all the States in the country.

ii) **ELECTRIFICATION OF DALIT BASTIS :**

As a policy, the M.S.E.D.C.Ltd. invariably covers electrification of attached Dalit Bastis, if any, while sanctioning the estimate for electrification of Gaothan. All the 33,711 Dalit Bastis, feasible for electrification, have been electrified as on 31-03-1998.

iii) **TRIBAL SUB-PLAN :**

There are 8382 nos. of villages under tribal, as per Census 2001.

The M.S.E.D.C.Ltd. has also energized 3863 agricultural pumpsets in tribal sub-plan area during 2007-2008 bringing the total no. of pumpsets energized in tribal sub-plan area to 1,44,056.

iv) **DOMESTIC CONNECTIONS TO WEAKER SECTIONS :**

Since 1-10-1976, the Board is releasing domestic connections without charging normal service connection charges to Weaker Sections of Society, Viz. (1) Schedules Castes (2) Schedules Tribes (3) Nomadic Tribes (4) Vimukta Jatis and (5) Nav Buddhists. During 2007-2008 a total of 60101 such connections have been released, out of which 31356 pertains to Scheduled Castes and Nav Buddhists under Special Component Plan. So far a total of 15,49,109 connections have been released to these five categories, out of which 889105 pertains to Scheduled Castes and Nav Buddhists.

v) **RAJEEV GANDHI GRAMIN VIDYUTIKARAN YOJANA :**

The releasing of connections to 100% BPL households is envisaged under RGGVY schemes and the work will be taken up on turn-key basis as per Districtwise sanctioned schemes.

Total 34 schemes for 33 Districts have been sanctioned amounting total of Rs. 713.45 Cr.

The scheme works in 4 Districts (Gondia, Nanded, Solapur & Dhule) sanctioned in X<sup>th</sup> Plan, have been started.

The scheme works in 30 schemes (Sanctioned in XI<sup>th</sup> Plan) will be taken in hand in receipt of funds from REC.

**STATEMENT SHOWING DETAILS OF POWER T/Fs IN SERVICE AS ON 31.3.2008**

Name of Undertaking :- MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD.

Voltage Ratio	Capacity in MVA	AMTZ Nos.	AZ Nos.	LZ Nos.	KLNZ Nos.	KZR Nos.	KOPZ Nos.	NSKZ Nos.	NZ Nos.	BUZ Nos.	PZ Nos.	NUZ Nos.	TOTAL NOS.	TOTAL CAPACITY IN MVA
33/11 kV	10	1	13	4	0	0	36	30	6	11	6	51	158	1580
	7.5	0	1	0	0	0	0	0	0	0	0	0	1	7.5
	6	1	0	0	0	0	0	0	0	0	0	0	1	6
	5	170	227	304	27	59	360	455	63	3	73	34	1775	8875
	3.15	82	57	97	8	19	83	194	25	0	7	13	585	1842.75
	3	32	9	25	2	4	22	30	1	0	2	4	131	393
	2.5	1	0	0	0	0	0	0	0	0	0	0	1	2.5
	2	1	0	1	0	0	3	1	0	0	2	1	9	18
	1.6	0	0	0	0	5	0	0	1	0	0	0	6	9.6
	1.5	0	0	0	0	0	0	0	3	0	0	0	3	4.5
1	2	3	1	1	2	2	0	4	0	0	0	15	15	
0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>TOTAL</b>		<b>290</b>	<b>310</b>	<b>432</b>	<b>38</b>	<b>89</b>	<b>506</b>	<b>710</b>	<b>103</b>	<b>14</b>	<b>90</b>	<b>103</b>	<b>2685</b>	<b>12753.85</b>
33/22 kV	12.5	0	0	0	0	0	0	0	0	0	1	0	1	12.5
	10	0	0	0	0	0	4	0	0	0	8	0	12	120
	6.5	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	21	0	0	0	0	0	21	105
	4.5	0	0	0	0	0	1	0	0	0	0	0	1	4.5
	3.15	0	0	0	1	0	0	0	0	0	0	0	1	3.15
	3	0	0	0	4	0	0	0	0	0	0	0	4	12
2	0	0	0	2	0	1	0	0	0	0	0	3	6	
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>43</b>	<b>263.15</b>
22/11 kV	12.5	0	0	0	0	0	0	0	0	2	0	0	2	25
	10	0	0	0	0	0	0	1	0	59	58	0	118	1180
	5	0	0	0	0	0	0	1	0	11	12	0	24	120
	3	0	0	0	0	0	1	0	0	0	1	0	2	6
	2.6	1	0	0	0	0	0	0	0	0	0	0	1	2.6
	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	2	0	2	2
<b>TOTAL</b>		<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>72</b>	<b>73</b>	<b>0</b>	<b>149</b>	<b>1335.6</b>
<b>GRAND TOTAL</b>		<b>291</b>	<b>310</b>	<b>432</b>	<b>45</b>	<b>89</b>	<b>534</b>	<b>712</b>	<b>103</b>	<b>86</b>	<b>172</b>	<b>103</b>	<b>2877</b>	<b>14352.6</b>



**STATEMENT SHOWING DETAILS OF DISTRIBUTION T/Fs IN SERVICE AS ON 31.3.2008**

Name of Undertaking :- MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD.

Voltage Ratio	Capacity in KVA	AMTZ Nos.	AZ Nos.	LZ Nos.	KLNZ Nos.	KZR Nos.	KOPZ Nos.	NSKZ Nos.	NZ Nos.	BUZ Nos.	PZ Nos.	NUZ Nos.	TOTAL NOS.	TOTAL CAPACITY IN KVA
11/0.4 kV	12.5	0	0	0	0	0	0	0	0	0	0	0	0	0
	15	24	0	60	0	0	0	0	0	0	0	0	84	1260
	16	38	0	0	1	0	7	41	74	0	0	0	161	2576
	25	1986	1525	1321	117	689	1377	2805	2251	0	221	147	12439	310975
	50	1105	224	116	111	260	1232	1041	584	0	223	81	4977	248850
	63	11017	11796	16083	596	3290	15848	26739	5976	2	2243	2679	96269	6064947
	75	0	0	0	0	0	58	17	0	0	0	0	75	5625
	100	9169	8364	10899	743	1584	16590	25023	4825	19	3262	3400	83878	8387800
	125	0	0	0	0	0	0	0	0	0	0	0	0	0
	150	66	6	6	24	17	126	54	13	6	21	23	362	54300
	160	0	0	0	0	0	0	2	0	0	0	0	2	320
	200	1122	1332	1124	323	200	2549	3796	609	40	1358	1902	14355	2871000
	250	0	0	2	17	2	31	10	1	4	33	13	113	28250
	300	109	53	41	19	0	123	100	3	2	123	50	623	186900
	315	8	165	191	134	14	239	588	7	169	1104	546	3165	996975
	350	0	0	0	0	0	0	0	0	0	0	0	1	350
	400	0	0	0	1	1	2	0	0	16	0	1	21	8400
	500	2	49	24	23	1	58	47	0	249	296	79	828	414000
	600	1	0	0	0	0	0	0	1	0	0	0	2	1200
	630	2	40	10	5	0	25	39	0	1482	805	206	2614	1646820
	750	0	0	0	0	0	3	2	0	88	1	1	95	71250
800	0	0	0	0	0	0	0	0	0	0	0	0	0	
950	0	0	0	0	0	0	0	0	35	0	0	35	33250	
1000	0	0	0	0	0	1	1	0	106	1	1	110	110000	
1500	0	0	0	0	0	0	0	0	6	0	0	6	9000	
2000	0	0	0	0	0	0	0	0	2	0	0	2	4000	
2500	0	0	0	0	0	0	0	0	2	0	0	2	5000	
<b>TOTAL</b>		<b>24649</b>	<b>23554</b>	<b>29877</b>	<b>2114</b>	<b>6058</b>	<b>38269</b>	<b>60306</b>	<b>14343</b>	<b>2228</b>	<b>9691</b>	<b>9130</b>	<b>220219</b>	<b>21463048</b>
11/0.25 single phase	25	4603	2576	9340	0	0	2106	4573	1108	0	3900	2803	31009	775225
	15	1154	1251	10649	0	0	222	1462	266	0	2664	919	18587	278805
	10	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>		<b>5757</b>	<b>3827</b>	<b>19989</b>	<b>0</b>	<b>0</b>	<b>2328</b>	<b>6035</b>	<b>1374</b>	<b>0</b>	<b>6564</b>	<b>3722</b>	<b>49596</b>	<b>1054030</b>

**STATEMENT SHOWING DETAILS OF DISTRIBUTION T/Fs IN SERVICE AS ON 31.3.2008**

Name of Undertaking :- MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD.

Voltage Ratio	Capacity in KVA	AMTZ Nos.	AZ Nos.	LZ Nos.	KLNZ Nos.	KZR Nos.	KOPZ Nos.	NSKZ Nos.	NZ Nos.	BUZ Nos.	PZ Nos.	NUZ Nos.	TOTAL NOS.	TOTAL CAPACITY IN KVA
22\0.4 kV	16	0	0	0	1	0	0	0	0	0	0	0	1	16
	25	0	0	0	494	0	309	0	0	4	504	0	1311	32775
	50	0	0	0	473	0	171	1	0	11	306	0	962	48100
	63	0	0	0	2041	0	1942	0	0	103	3289	0	7375	464625
	75	0	0	0	0	0	1	0	0	0	0	0	1	75
	100	0	0	0	2435	0	1837	2	0	564	5350	0	10188	1018800
	150	0	0	0	20	0	0	0	0	12	8	0	40	6000
	160	0	0	0	0	0	0	0	0	90			90	14400
	200	0	0	0	1149	0	304	0	0	686	1682	0	3821	764200
	250	0	0	0	26	0	3	0	0	81	2	0	112	28000
	300	0	0	0	35	0	3	0	0	21	44	0	103	30900
	315	0	0	0	814	0	55	0	0	983	1148	0	3000	945000
	400	0	0	0	14	0	0	0	0	7	0	0	21	8400
	500	0	0	0	741	0	16	0	0	853	308	0	1918	959000
	600	0	0	0	0	0	0	0	0	0	0	0	0	0
	630	0	0	0	693	0	6	0	0	538	702	0	1939	1221570
	730	0	0	0	0	0	0	0	0	0	0	0	0	0
	750	0	0	0	1	0	0	0	0	180	0	0	181	135750
	830	0	0	0	0	0	0	0	0	3	0	0	3	2490
	950	0	0	0	0	0	0	0	0	22	0	0	22	20900
1000	0	0	0	4	0	0	0	0	18	2	0	24	24000	
1250	0	0	0	0	0	0	0	0	1	0	0	1	1250	
1500	0	0	0	0	0	0	0	0	5	0	0	5	7500	
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>8941</b>	<b>0</b>	<b>4647</b>	<b>3</b>	<b>0</b>	<b>4182</b>	<b>13345</b>	<b>0</b>	<b>31118</b>	<b>5733751</b>
33/0.4 kV	50	5	0	0	8	0	0	0	0	0	0	0	13	650
	100	4	0	0	6	0	0	0	0	0	0	0	10	1000
	200	0	0	0	0	0	0	0	0	1	0	0	1	200
	500	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>		<b>9</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>1850</b>
<b>GRAND TOTAL</b>		<b>30415</b>	<b>27381</b>	<b>49866</b>	<b>11069</b>	<b>6058</b>	<b>45244</b>	<b>66344</b>	<b>15717</b>	<b>6411</b>	<b>29600</b>	<b>12852</b>	<b>300957</b>	<b>28252679</b>

**ANNEXURE-3**

**33kV & 22kV Sub-Transmission Lines energised during 2007-2008**

Sr. No.	Name of Line	District	Length in CKT-KMS	Date of Energisation
<b><u>MARATHWADA REGION:</u></b>				
<b><u>AURANGABAD ZONE</u></b>				
1	33 kV s/c line from 132/33 kV Paithan s/s to 33/11 kV Dhorkin s/s	Aurangabad	0.200	24.11.2007
2	33 kV cantonment feeder from 132/33 kV Waluj s/s to 33/11 kV Waluj Mahanagar	Aurangabad	1.300	12.06.2007
3	33 kV s/c line from 400 kV Waluj s/s to 33/11 kV Waluj M Sector s/s	Aurangabad	2.430	18.03.2008
4	33 kV U/G Cable from 400 kV Waluj s/s to 33/11 kV Waluj M Sector s/s	Aurangabad	0.250	18.03.2008
5	33 kV s/c line from 400 kV Waluj s/s to 33/11 kV Waluj E Sector s/s	Aurangabad	4.375	31.03.2008
6	33 kV s/c line from 220/33 kV Jalna s/s for Nakshtra Dhaba on Aurangabad - Badnapur Road	Jalna	1.200	22.08.2007
7	33 kV s/c line from 33/11 kV Tirthpuri s/s to 33/11 kV Antarwali (Tembhi) s/s	Jalna	12.500	31.12.2007
8	33 kV s/c line from 33/11 kV Tadhadgaon s/s to 33/11 kV Sukhapuri s/s	Jalna	8.000	28.02.2008
<b>Total</b>			<b>30.255</b>	<b>CKT-KMS</b>
<b><u>LATUR ZONE</u></b>				
1	33 kV s/c line from 132/33 kV Chakur s/s to 33/11 kV Wadwal s/s	Latur	10.50	31.08.2007
2	33 kV s/c line from 33/11 kV Borgaon Kale s/s to 33/11 kV Chouphala s/s	Latur	4.70	29.02.2008
3	33 kV U/G cable	Latur	0.30	During year 2007-08
4	33 kV s/c line from 220/33 kV Waghala s/s to 33/11 kV Chouphala s/s	Nanded	3.00	06.09.2007
5	33 kV O/H s/c line	Nanded	1.40	During year 2007-08
6	33 kV tap on existing Georai - Umapur line for 33/11 kV Dhondrai s/s	Beed	0.80	31.01.2008
7	33 kV s/c line from 33/11 kV Dhamangaon s/s to 33/11 kV Doithan s/s	Beed	0.70	31.01.2008
8	33 kV tap on Belura feeder for 33/11 kV Rajuri s/s	Beed	0.50	31.08.2007
9	33 kV tap on Georai feeder for 33/11 kV MIDC s/s	Beed	0.58	During year 2007-08
10	33 kV tap for 33/11 kV Girwali s/s	Beed	1.50	31.03.2008
11	33 kV tap for 33/11 kV Laul s/s	Beed	5.00	31.01.2008
12	33 kV tap for 33/11 kV Kumbefal s/s	Beed	0.74	30.11.2007
13	33 kV O/H s/c line	Beed	13.00	During year 2007-08
14	33 kV O/H s/c line	Osmanabad	2.00	During year 2007-08
<b>Total</b>			<b>44.72</b>	<b>CKT-KMS</b>
<b>SUB TOTAL FOR MARATHWADA REGION</b>			<b>74.98</b>	<b>CKT-KMS</b>
<b><u>WESTERN MAHARASHTRA REGION:-</u></b>				
<b><u>PUNE ZONE</u></b>				
1	33 kV s/c line from 33/11 kV Takali Haji s/s to 33/11 kV Jambut s/s	Pune	16.00	03.01.2008
2	33 kV s/c line from 33/11 kV Jejuri s/s to 33/11 kV Parinche s/s	Pune	24.50	14.02.2008
3	22 kV S/C line	Pune	19.034	During year 2007-08
4	22 kV U/G cable	Pune	105.73	During year 2007-08
<b>Total</b>			<b>165.264</b>	<b>CKT-KMS</b>
<b><u>BHANDUP URBAN ZONE</u></b>				
1	33 kV U/G cable for alternate source to NRI feeder	Thane	0.70	30.04.2007
2	33 kV U/G cable for M/s Vishwaroop, Sector 30 A, Washi	Thane	2.00	31.01.2008
3	22 kV S/C line	Thane	39.83	During year 2007-08
4	22 kV S/C line	Raigad	8.28	During year 2007-08
5	22 kV D/C line	Thane	0.28	During year 2007-08
6	22 kV U/G cable	Thane	103.465	During year 2007-08
7	22 kV U/G cable	Raigad	1.98	During year 2007-08
<b>Total</b>			<b>156.535</b>	<b>CKT-KMS</b>

<b>KOLHAPUR ZONE</b>				
1	33kV link line from 33/11 kV Savarde s/s for co generation Sharad Shah S. Kar Narande	Kolhapur	2.80	31.05.2007
2	33kV U/G Cable from 33 kV Arvind feeder for HT consumer M/S Rukmini Textiles, Tilavani	Kolhapur	0.44	31.07.2007
3	33kV link line from 110/33 kV Shenda Park s/s to Shahu Mill feeder	Kolhapur	0.30	31.08.2007
4	33kV U/G cable from 110/33 kV Shenda Park s/s to Shenda Park s/s	Kolhapur	0.08	31.08.2007
5	33kV U/G Cable from 33 kV Arvind feeder for HT consumer Nilesh Textiles	Kolhapur	0.15	31.08.2007
6	33kV s/c line from 33kV Asul feeder for HT consumer Arya Steel, 5* MIDC	Kolhapur	0.40	30.09.2007
7	33kV s/c line from 33 kV Shahapur feeder for HT consumer	Kolhapur	0.03	31.10.2007
8	33kV s/c line from 33 kV Takali feeder for Rajeshri Magas Sanstha, Korochi	Kolhapur	0.40	31.10.2007
9	33kV s/c line from 33 kV Takali feeder for 33/11 kV Takali s/s	Kolhapur	0.05	31.10.2007
10	33kV s/c line from 33/11 kV Shahu Mill s/s for 33/11 kV GPI s/s	Kolhapur	1.10	30.11.2007
11	33kV U/G Cable from 220/33 kV 5* MIDC s/s to Oswal Textiles 5* MIDC	Kolhapur	1.34	31.12.2007
12	33kV s/c line from 33 kV Goathan feeder for HT consumer SGP, Shirol	Kolhapur	0.75	31.12.2007
13	33kV s/c line from 33 kV Abhinandan feeder for 33/11 Chandur s/s	Kolhapur	0.07	31.12.2007
14	33kV s/c line from 220/33 kV 5* MIDC s/s to HT Consumer Kirloskar	Kolhapur	0.34	31.01.2008
15	33kV U/G Cable from 220/33 kV 5* MIDC s/s to HT Consumer Kirloskar	Kolhapur	0.43	31.01.2008
16	33kV s/c line from 33 kV Siddnerli feeder for HT consumer Shahu S.P.P., Ekondi	Kolhapur	10.39	29.02.2008
17	33kV s/c line from 33 kV Puikhadi feeder for HT consumer LIS Bhairavanth S.P.P., Girgaon	Kolhapur	14.13	04.03.2008
18	33kV s/c line from 33 kV Abhinandan feeder to HT consumer Sonali Yantra Mag, Alte	Kolhapur	0.12	10.03.2008
19	33kV s/c line from 33 kV Takali feeder for HT consumer Tirupati Magas Sanstha, Mangwadi	Kolhapur	2.85	15.03.2008
20	33kV tap on 33 kV Bidigharkul feeder emanating from 132/33 kV MIDC s/s for HT Consumer Shri Mutkeri	Solapur	0.30	18.07.2008
21	33kV tap on 33 kV Lamboti feeder emanating from 132/33 kV Mohol s/s for 33/11 kV Chandramauli s/s	Solapur	0.12	13.09.2007
22	33kV tap on 33 kV Newere feeder emanating from 220/33 kV Malinagar s/s for 33/11 kV Umbare (V) s/s	Solapur	0.06	18.09.2007
23	33kV s/c line from 220/33 kV Tembhurni s/s for HT consumer M/S Vithal S.S.S.K Ltd., Pimpalner	Solapur	6.50	14.10.2007
24	33kV tap on 33 kV Angar feeder emanating from 132/33 kV Mohol s/s for 33/11 kV Bitale s/s	Solapur	3.36	14.12.2007
25	33kV s/c line from 132/33 kV Mohol s/s for Loknete S.S.K. Ltd., Cogeneration	Solapur	17.00	14.12.2007
26	33kV s/c line from 132/33 kV Sangola s/s for 33/11 kV Sangola s/s	Solapur	0.40	27.12.2007
27	33kV tap on 33 kV Natepute feeder emanating from 132/33 kV Walchandnagar s/s for 33/11 kV Dharampuri s/s	Solapur	8.00	15.01.2008
28	33kV s/c line from 132/33 kV Chincholikati s/s for HT Consumer M/s Clancy Precision	Solapur	5.30	15.02.2008
29	33kV tap on 33 kV Bandishegaon feeder emanating from 220/33 kV Pandharpur s/s for 33/11 kV Wakhari s/s	Solapur	3.70	13.03.2008
30	33kV s/c line from 110/33 kV Tasgaon s/s for Ramanad Bharati Soot Girmi, Tasgaon	Sangli	2.00	30.04.2007
31	33kV s/c line from 33/11 kV Soni s/s for 33/11 kV Kumthe s/s	Sangli	3.90	31.03.2008
32	33kV s/c line from 220/33 kV Karve s/s for 33/11 kV Karve MIDC s/s	Sangli	2.60	15.03.2008
33	33kV s/c line from 33/11kV Nagewadi s/s for 33/11 kV Gardi s/s	Sangli	2.05	06.03.2008
34	33kV s/c line from 33/11 kV Kundal s/s for 33/11 kV Sandgewadi s/s	Sangli	12.00	06.07.2007
35	33kV s/c line from 33/11 kV Sandgewadi s/s for 33/11 kV Sutgirmi Palus s/s	Sangli	1.00	06.07.2007
36	33kV s/c line from 110/33 kV New MIDC s/s for HT Consumer Cooper Ind. Ltd. (Satara MIDC)	Satara	1.17	11.09.2007
37	33 kV U/G Cable Tapping Structure on '33kV feeder for Metering Cubicle of M/s Cooper Ind. Ltd. (Satara MIDC)	Satara	0.31	11.09.2007
38	33 kV U/G Cable Tapping Structure on '33kV Siddhivinayak feeder for Metering Cubicle of M/s Bhimeshwari Ispat Ltd. (Satara MIDC)	Satara	0.05	14.08.2007
39	22 kV s/c line	Satara	72.415	During year 2007-08
40	22 kV U/G cable	Satara	0.69	During year 2007-08
<b>Total</b>			<b>179.095</b>	<b>CKT-KMS</b>

<b><u>KONKAN ZONE</u></b>				
1	33kV d/c line from 33/11 kV Niwali s/s to 33/11 kV Karbude s/s	Ratnagiri	3.50	29.02.2008
2	33kV s/c line from 33/11 kV Sawarda s/s to 33/11 kV Turambav s/s	Ratnagiri	9.00	31.10.2007
3	33kV Tap line to 33 kV Mandangad to 33/11 kV Kerli (Kelshiphata) s/s	Ratnagiri	23.00	31.07.2007
4	33kV s/c line from 33/11 kV Lote s/s to 33/11 kV Vinati s/s	Ratnagiri	3.00	31.08.2008
5	33kV s/c line from 33/11 kV Lote s/s to 33/11 kV Shreyas s/s	Ratnagiri	3.00	29.02.2008
6	33kV Tap line to 33 kV Sakedi to 33/11 kV Sangave s/s	Sindhudurg	12.50	30.06.2007
		<b>Total</b>	<b>54.00</b>	<b>CKT-KMS</b>
<b><u>KALYAN ZONE</u></b>				
1	33 kV s/c line for HT Consumers	Vasai	3.51	During year 2007-08
2	33 kV U/G Cable	Vasai	2.04	During year 2007-08
3	22 kV S/C line	Vasai	28.29	During year 2007-08
4	22 kV U/G cable	Vasai	3.68	During year 2007-08
5	22 kV S/C line	Thane (Kalyan - I)	2.81	During year 2007-08
6	22 kV D/C line	Thane (Kalyan - I)	0.03	During year 2007-08
7	22 kV U/G cable	Thane (Kalyan - I)	3.66	During year 2007-08
8	22 kV S/C line	Raigad	37.915	During year 2007-08
9	22 kV U/G cable	Raigad	1.25	During year 2007-08
10	22 kV S/C line	Thane (Kalyan - II)	8.375	During year 2007-08
11	22 kV U/G cable	Thane (Kalyan - II)	5.375	During year 2007-08
		<b>Total</b>	<b>96.935</b>	<b>CKT-KMS</b>
<b><u>NASHIK ZONE</u></b>				
1	33 kV s/c line from 33kV Armstrong Energy Pvt. Ltd., Shilapur for 33/11 kV Samangaon s/s	Nashik	5.50	15.01.2008
2	33 kV s/c line from 132/33 kV MIDC, Satpur s/s for Atlas Capco Company	Nashik	0.50	06.04.2007
3	33 kV d/c line	Nashik	1.20	During year 2007-08
4	33 kV s/c line from 33/11 kV Wadner kh s/s for 33/11 kV Nampur s/s	Nashik	0.21	03.12.2007
5	33 kV s/c line from 132/33 kV R. Pimplas s/s for 33/11 kV R. Pimplas s/s	Nashik	5.00	19.03.2008
6	33 kV s/c line for 33/11 kV Vadodha s/s	Jalgaon	2.70	30.09.2008
7	33 kV s/c line for Waghur Muncipal Corporation PWW connection works	Jalgaon	25.00	23.11.2007
8	33 kV link line for 33/11 kV Changdeo s/s	Jalgaon	0.50	31.03.2008
9	33 kV s/c line from 33/11 kV Ghargaon s/s for Alephata line	Ahmednagar	21.50	20.06.2007
10	33 kV s/c tap from 220/33 kV Saundala s/s to 33/11 kV Bhenda s/s	Ahmednagar	0.56	12.10.2007
11	33 kV s/c tap from 220/33 kV Saundala s/s to 33/11 kV Deogaon, Bhenda, Wadala s/s	Ahmednagar	2.50	12.10.2007
12	33 kV s/c line for Mula Dam feeder	Ahmednagar	7.15	22.11.2007
13	33 kV s/c line from Ashwi for Babhaleshwar	Ahmednagar	8.90	30.11.2007
14	33 kV s/c tap on 33/11 kV Akole for 33/11 kV Rajur s/s	Ahmednagar	1.50	14.01.2008
15	33 kV s/c line from 132/33 kV Kharda s/s for 33/11 kV Kharda s/s	Ahmednagar	1.80	31.01.2008
16	33 kV s/c tap on 220/33 kV Saundala for 33/11 kV Deogaon s/s	Ahmednagar	0.50	01.02.2008
17	33 kV s/c line from 132/33 kV Kharda s/s for 33/11 kV Jamkhel s/s	Ahmednagar	1.90	13.02.2008
18	33 kV s/c tap on Chinchodi feeder from 132/33 kV Kedgaon s/s for Garison Engg. MES s/s	Ahmednagar	11.00	25.01.2008
19	33 kV s/c line from 33/11 kV Dahiwel for 33/11 kV Jamkhel s/s	Dhule	17.00	23.01.2008
20	33 kV s/c tap on 220/33 kV Dhule s/s for 33/11 kV Deobhane s/s	Dhule	8.00	30.01.2008
21	33 kV s/c line for 33/11 kV Pimpalkhuta s/s	Dhule	18.00	31.03.2008
22	33 kV s/c line for 33/11 kV Kakarda s/s	Dhule	1.00	20.03.2008
23	33 kV s/c tap on Nardhana- Thalner feeder for Babulde village	Dhule	0.50	31.08.2007
24	33 kV s/c line for 33/11 kV Horaphali s/s	Dhule	28.00	20.03.2008
25	33 kV s/c line for 33/11 kV Hatdhuhi s/s	Dhule	3.00	28.03.2008
		<b>Total</b>	<b>173.42</b>	<b>CKT-KMS</b>
<b><u>SUB TOTAL FOR WESTERN MAHARASHTRA REGION</u></b>				
			<b>825.249</b>	<b>CKT-KMS</b>

<b><u>VIDARBH REGION:-</u></b>			
<b><u>NAGPUR ZONE</u></b>			
1	33 kV s/c line from 33/11kV Wani s/s for 33/11kV Ajanti s/s	Wardha	12.00 20.06.2007
2	33kV s/c line from 33/11kV Wani s/s for HT consumer M/S R.S.R. Mohota, Burkoni	Wardha	17.52 15.10.2007
3	33 kV d/c line from 220/33 kV MIDC Chandrapur s/s for 33/11kV Vishwakarma s/s	Chandrapur	8.80 14.04.2007
4	33 kV s/c line from 220/33kV Warora s/s for 33/11kV Shegaon s/s	Chandrapur	17.77 30.04.2007
5	33 kV s/c line from 66/33 kV MIDC Chandrapur s/s for PGCIL s/s, Bhadrawati	Chandrapur	17.00 31.03.2008
6	33kV U/G Cable	Wardha	0.20 During year 2007-08
7	33kV U/G Cable	Chandrapur	0.39 During year 2007-08
8	33kV s/c line O/H line	Gadchiroli	0.17 During year 2007-08
		<b>Total</b>	<b>73.85</b> <b>CKT-KMS</b>
<b><u>NAGPUR URBAN ZONE</u></b>			
1	33 kV U/G Cable & O/H from 132/33 kV Mankapur s/s for 33/11 kV Vayusena s/s	Nagpur	3.76 02.02.2008
2	33 kV U/G Cable 33 kV Uppalwadi - Nara s/s for 33/11 kV Ambedkar s/s	Nagpur	4.00 31.05.2007
3	33kV U/G Cable tap on Trimurti Nagar Chatrapati feeder for 33 kV Gayatri Nagar, IT park s/s	Nagpur	0.65 28.11.2007
4	33 kV U/G Cable tap from 33/11 kV Uppalwadi s/s for 33/11 kV Mayo s/s	Nagpur	11.00 31.08.2007
5	33 kV s/c line from 132/33 kV Hingana s/s for M/s.Nico Casting	Nagpur	3.00 05.12.2007
6	33 kV U/G Cable from MIDC Kalmeshwar for 33/11 kV Kalmeshwar s/s	Nagpur	2.00 31.07.2007
7	33 kV U/G Cable from MIDC Kalmeshwar for 33/11 kV Kalmeshwar s/s	Nagpur	1.20 31.08.2007
8	33 kV s/c line from MIDC Kalmeshwar for 33/11 kV Kalmeshwar s/s	Nagpur	0.50 30.10.2007
9	33 kV s/c line from MIDC Butibori for 33/11 kV Butibori s/s	Nagpur	3.10 31.12.2007
10	33 kV s/c line from MIDC Butibori for 33/11 kV Butibori s/s	Nagpur	0.40 31.12.2007
11	33 kV s/c line from 132/33 kV Uppalwadi s/s for 33/11 Kv Sitabuldi s/s	Nagpur	4.46 31.03.2008
		<b>Total</b>	<b>34.07</b> <b>CKT-KMS</b>
<b><u>AMRAVATI ZONE</u></b>			
1	33 kV s/c line from 132/33 kV Hiwarkhed s/s for 33/11 kV Hiwarkhed s/s	Akola	0.24 19.01.2008
2	33 kV s/c line from 220/33 kV Apatapa Road s/s for 33/11 kV Apatapa Road s/s	Akola	13.00 14.01.2008
3	33 kV s/c line from 33/11 kV Apatapa Road s/s for 33/11 kV Vidyut Bhavan s/s	Akola	3.85 14.01.2008
4	33 kV s/c line from 33/11 kV Umara s/s for 33/11 kV Lakhamapur s/s	Akola	5.00 28.03.2008
5	33 kV s/c line from 33/11 kV Vidyut Bhavan s/s for 132/33 kV Gorakshan s/s	Akola	2.15 28.03.2008
6	33 kV s/c line from 33/11 kV Padali s/s for 33/11 kV Buldhana s/s	Buldhana	4.00 31.07.2007
7	33 kV s/c line from 33/11 kV Lonar s/s for 33/11 kV Tunki s/s	Buldhana	12.50 27.07.2007
8	33 kV s/c line from 132/33 kV Khamgaon s/s for 33/11 kV Sajanpur s/s	Buldhana	7.20 30.09.2007
9	33 kV Tap line for 33/11 kV Anandsagar s/s on existing 33 kV Khamgaon - Shegaon line	Buldhana	4.50 29.02.2008
10	33 kV Tap line for 33/11 kV Sultanpur s/s on existing 33 kV Mehkar - Lonar line	Buldhana	0.60 31.01.2008
11	33 kV Tap line for 33/11 kV Malkapur s/s on existing 33 kV Malkapur - Motala line	Buldhana	0.01 31.05.2007
12	33 kV s/c line from 132/33 kV Malkapur s/s for 33/11 kV Malkapur s/s	Buldhana	7.40 31.03.2008
13	33 kV under ground cable	Yavatmal	0.35 During year 2007-08
		<b>Total</b>	<b>60.80</b> <b>CKT-KMS</b>
<b><u>SUB TOTAL FOR VIDARBH REGION</u></b>			<b>168.72</b> <b>CKT-KMS</b>
<b><u>TOTAL FOR THE STATE</u></b>			<b>1068.94</b> <b>CKT-KMS</b>

**ANNEXURE-4****New 33/11 & 22/11 kV Sub-Stations & 22kV Switching Stations Commissioned during year 2007-2008**

Sr. No.	Name of Sub-Station	District	Transformer Capacity in MVA	Date of Commissioning
<b><u>MARATHWADA REGION:-</u></b>				
<b><u>AURANGABAD ZONE</u></b>				
1	33/11kV Waluj M Sector S/s (DRUM)	Aurangabad	10.00	18.03.2008
2	33/11kV Sukhapuri S/s (USM)	Jalna	5.00	02.02.2008
3	33/11kV Dhorkin S/s (USM)	Aurangabad	5.00	16.11.2007
4	33/11kV Anterwali S/s ( Tembhi)	Jalna	5.00	15.12.2007
<b>Total</b>			<b>25.00</b>	<b>MVA</b>
<b><u>LATUR ZONE</u></b>				
1	33/11kV Niwali S/s (USM)	Latur	5.00	29.02.2008
2	33/11 kV Chouphala S/s	Nanded	10.00	30.09.2007
3	33/11kV Rajuri S/s	Beed	5.00	31.08.2007
4	33/11 kV Dhondrai S/s (DPR)	Beed	5.00	31.01.2008
5	33/11 kV MIDC S/s (DPR)	Beed	5.00	31.10.2007
6	33/11 kV Doithan S/s (DPR)	Beed	5.00	31.01.2008
7	33/11 kV Laul S/s (DPR)	Beed	5.00	31.01.2008
8	33/11 kV Kumbephal S/s (DPR)	Beed	5.00	30.11.2007
9	33/11 kV Girwali S/s (DPR)	Beed	5.00	31.03.2008
<b>Total</b>			<b>50.00</b>	<b>MVA</b>
<b><u>SUB TOTAL FOR MARATHWADA REGION</u></b>			<b>75.00</b>	<b>MVA</b>
<b><u>WESTERN MAHARASHTRA REGION:-</u></b>				
<b><u>BHANDUP ZONE</u></b>				
1	22/11 kV Lok Everest Receiving station (PFC)	Mumbai	20.00	31.12.2007
2	22/11 kV Vikas Complex Receiving Station (PFC)	Thane	20.00	30.04.2007
3	22/11 kV Hiranandani Receiving station (APDRP)	Thane	20.00	31.10.2007
<b>Total</b>			<b>60.00</b>	<b>MVA</b>

Sr. No.	Name of Sub-Station	District	Transformer Capacity in MVA	Date of Commissioning
<b><u>PUNE ZONE</u></b>				
1	33/11kV Parinche S/s	Pune	5.00	14.02.2008
2	33/11kV Loni Deokar S/s	Pune	5.00	31.01.2008
3	33/11 kV Jambut S/s (Infra)	Pune	5.00	03.01.2008
4	33/11kV Pandare S/s (Infra)	Pune	5.00	03.06.2007
5	22/11kV Waikfield IT - City Info Park S/s (ORC)	Pune	10.00	13.04.2007
6	22/11kV Hari Ganga S/s (ORC)	Pune	10.00	28.05.2007
7	22/11kV Kumar Cerebrum S/s (ORC)	Pune	20.00	10.08.2007
8	22/11kV Bramha Sun City S/s (ORC)	Pune	10.00	13.09.2007
9	22/11kV Sai Nagar S/s (ORC)	Pune	5.00	31.01.2008
<b>Total</b>			<b>75.00</b>	<b>MVA</b>
<b><u>KALYAN ZONE</u></b>				
			<b>NIL</b>	
<b><u>KOLHAPUR ZONE</u></b>				
1	33/11kV Shivaji University S/s (DDS)	Kolhapur	2.00	15.11.2007
2	33/11kV Ranjani S/s	Sangli	5.00	29.02.2008
3	33/11kV Gardi S/s (USM)	Sangli	5.00	06.03.2008
4	33/11kV Karve MIDC S/s (USM)	Sangli	5.00	15.03.2008
5	33/11kV Sandgewadi S/s (USM)	Sangli	5.00	06.07.2007
6	33/11kV Chandramauli S/s (USM)	Solapur	5.00	13.09.2007
7	33/11kV Umbare Velapur S/s (USM)	Solapur	5.00	18.09.2007
8	33/11kV Bitale S/s (USM)	Solapur	5.00	14.12.2007
9	33/11kV Sangola S/s	Solapur	20.00	27.12.2007
10	33/11kV Dharampuri S/s	Solapur	5.00	15.01.2008
11	33/11kV Wakhari S/s (USM)	Solapur	10.00	13.03.2008
<b>Total</b>			<b>72.00</b>	<b>MVA</b>
<b><u>KONKAN ZONE</u></b>				
1	33/11kV Kerli (Kelshiphata) S/s (APDRP)	Ratnagiri	3.15	31.07.2007
2	33/11kV Turambav S/s (APDRP)	Ratnagiri	3.15	31.10.2007
3	33/11kV Sangve S/s (APDRP)	Sindhudurg	5.00	30.06.2007
<b>Total</b>			<b>11.30</b>	<b>MVA</b>
<b><u>NASHIK ZONE</u></b>				
1	33/11kV Deobhane S/s	Dhule	5.00	30.01.2008
2	33/11kV Jamkhel S/s	Dhule	5.00	23.01.2008
3	33/11 kV Kakarda S/s (TSP)	Nandurbar	5.00	20.03.2008
4	33/11 kV Hathdhui S/s (TSP)	Nandurbar	5.00	28.03.2008
5	33/11 kV Pimpalkhuta S/s (TSP)	Nandurbar	5.00	31.03.2008
6	33/11 kV Horaphali S/s (ORC)	Nandurbar	3.15	20.03.2008
7	33/11 kV Nagardeola S/s	Jalgaon	5.00	01.09.2007
8	33/11 kV Vadhoda S/s	Jalgaon	5.00	30.09.2007
9	33/11 kV Kurwel S/s	Jalgaon	5.00	25.03.2008
10	33/11 kV Rumbhodi S/s (Ambad)	Ahmednagar	5.00	14.01.2008
<b>Total</b>			<b>48.15</b>	<b>MVA</b>



Sr. No.	Name of Sub-Station	District	Transformer Capacity in MVA	Date of Commissioning
<b><u>KALYAN ZONE</u></b>				
			<b>NIL</b>	
<b><u>SUB TOTAL FOR WESTERN MAHARASHTRA REGION</u></b>				
			<b>266.45</b>	<b>MVA</b>
<b><u>VIDARBH REGION:-</u></b>				
<b><u>NAGPUR ZONE</u></b>				
1	33/11kV Ajanti S/s	Wardha	5.00	20.06.2007
<b>Total</b>			<b>5.00</b>	<b>MVA</b>
<b><u>NAGPUR URBAN ZONE</u></b>				
1	33/11 kV New Mayo S/s (APDRP)	Nagpur	20.00	31.08.2007
2	33/11 kV Ambedkar Hospital S/s (APDRP)	Nagpur	10.00	31.05.2007
3	33/11 kV Gayatri Nagar, IT Park S/s (MIDC Interest free Scheme)	Nagpur	5.00	28.11.2007
<b>Total</b>			<b>35.00</b>	<b>MVA</b>
<b><u>AMRAVATI ZONE</u></b>				
1	33/11kV Apatapa Rd. (Mohata Mill) S/s	Akola	10.00	14.01.2008
2	33/11kV Vidyut Bhavan S/s (APDRP)	Akola	10.00	14.01.2008
3	33/11kV Lakhamapur S/s	Akola	5.00	28.03.2008
4	33/11kV Malkapur S/s (APDRP)	Buldhana	5.00	31.05.2007
5	33/11kV Buldhana S/s (APDRP)	Buldhana	5.00	20.06.2007
6	33/11kV Sajanpuri S/s (APDRP)	Buldhana	5.00	24.09.2007
7	33/11kV Titwi S/s	Buldhana	5.00	31.10.2007
8	33/11kV Sultanpur S/s	Buldhana	5.00	17.01.2008
9	33/11kV Anandsagar S/s (APDRP)	Buldhana	5.00	14.02.2008
<b>Total</b>			<b>55.00</b>	<b>MVA</b>
<b><u>SUB TOTAL FOR VIDARBH REGION</u></b>				
			<b>95.00</b>	<b>MVA</b>
<b><u>TOTAL FOR THE STATE</u></b>				
			<b>436.45</b>	<b>MVA</b>

**ANNEXURE-4(a)**

**Augmentation of Transformer Capacity at 33/11kV, 33/22 & 22/11 kV Sub-Stations during 2007-2008**

Sr. No.	Name of Sub-Station	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
<b><u>MARATHWADA REGION:-</u></b>					
<b><u>AURANGABAD ZONE</u></b>					
1	33/11 kV University S/s (DRUM)	Aurangabad	5.00	31.08.2007	Additional 1X 5 MVA
2	33/11 kV Waluj S/s (DRUM)	Aurangabad	7.50	31.08.2007	Additional 1X 7.5 MVA
3	33/11 kV Jamkhed S/s	Jalna	3.15	31.08.2007	Additional 1X 3.15 MVA
4	33/11 kV Shirad S/s (Backlog)	Hingoli	1.85	31.05.2007	1 X 3.15 MVA to 1 X 5 MVA
5	33/11 kV Girgaon S/s (Backlog)	Hingoli	1.85	31.08.2007	1 X 3.15 MVA to 1 X 5 MVA
6	33/11 kV JNV S/s (Backlog)	Hingoli	1.85	30.06.2007	1 X 3.15 MVA to 1 X 5 MVA
7	33/11 kV Balapur S/s (Backlog)	Hingoli	1.85	31.07.2007	1 X 3.15 MVA to 1 X 5 MVA
8	33/11 kV Manwath S/s (Backlog)	Parbhani	1.85	30.04.2007	1 X 3.15 MVA to 1 X 5 MVA
	<b>Total</b>		<b>24.90</b>	<b>MVA</b>	
<b><u>LATUR ZONE</u></b>					
1	33/11 kV CRC Nanded S/s	Nanded	5.00	31.03.2008	1 X 5 MVA to 1 X 10 MVA
2	33/11 kV Pargaon S/s (PFC)	Osmanabad	1.85	15.11.2007	1 X 3.15 MVA to 1 X 5 MVA
	<b>Total</b>		<b>6.85</b>	<b>MVA</b>	
			<b>31.75</b>	<b>MVA</b>	
<b><u>SUB TOTAL OF MARATHWADA REGION</u></b>					
<b><u>WESTERN MAHARASHTRA REGION:-</u></b>					
<b><u>BHANDUP ZONE</u></b>					
1	22/11 KV Sector 15, Airoli S/s (DPR)	Thane	5.00	30.01.2008	1 X 5 MVA to 1 X 10 MVA
2	22/11 KV Vasant Vihar S/s (APDRP)	Thane	5.00	15.02.2008	1 X 5 MVA to 1 X 10 MVA
	<b>Total</b>		<b>10.00</b>	<b>MVA</b>	
<b><u>PUNE ZONE</u></b>					
1	33/11 kV Bawada S/s (Infra)	Pune	5.00	09.05.2007	1 X 5 MVA to 1 X 10 MVA
2	33/22 kV Chandoli S/s (Infra)	Pune	6.85	30.11.2007	1 X 3.15 MVA to 1 X 10 MVA
3	33/11 kV Kadus S/s (Infra)	Pune	5.00	21.01.2008	1 X 5 MVA to 1 X 10 MVA
	<b>Total</b>		<b>16.85</b>	<b>MVA</b>	
<b><u>KALYAN ZONE</u></b>					
1	33/11 kV Surya Nagar S/s	Vasai	3.15	03.07.2007	1 X 3.15 MVA to 1 X 5 MVA
2	33/11 kV Dapchari S/s	Vasai	3.15	10.07.2007	1 X 3.15 MVA to 1 X 5 MVA
	<b>Total</b>		<b>6.30</b>	<b>MVA</b>	

Sr. No.	Name of Sub-Station	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
<b><u>KOLHAPUR ZONE</u></b>					
1	33/11 KV Siddnerli S/s (Infra)	Kolhapur	5.00	02.05.2007	Additional 1X 5 MVA
2	33/11 KV Kapashi S/s (Infra)	Kolhapur	1.85	13.05.2007	1X3.15 MVA to 1X5 MVA
3	33/11 KV Padal S/s (Infra)	Kolhapur	1.85	16.10.2007	1X3.15 MVA to 1X5 MVA
4	33/11 KV Digavade S/s (Infra)	Kolhapur	3.15	17.10.2007	Additional 1 X 3.15 MVA
5	33/11 KV Takali S/s (Infra)	Kolhapur	3.15	31.10.2007	Additional 1 X 3.15 MVA
6	33/11 KV Nesari S/s (Infra)	Kolhapur	1.85	19.11.2007	1X3.15 MVA to 1X5 MVA
7	33/11 KV Shirdhon S/s	Kolhapur	1.85	01.10.2007	1X3.15 MVA to 1X5 MVA
8	33/11 KV Tarale S/s (Infra)	Kolhapur	2.00	19.11.2007	1X3 MVA to 1X5 MVA
9	33/11 KV Krishnaghat S/s	Sangli	3.15	02.10.2007	Additional 1 X 3.15 MVA
10	33/11 KV Kavathemahankal S/s	Sangli	5.00	29.07.2007	1X5 MVA to 1X10 MVA
11	33/11 KV Belanki S/s	Sangli	1.85	19.12.2007	1X3.15 MVA to 1X5 MVA
12	33/11 KV Panumbre S/s (JBIC)	Sangli	1.85	31.03.2008	1X3.15 MVA to 1X5 MVA
13	33/11kV MIDC Islampur S/s (Infra)	Sangli	5.00	17.07.2007	Additional 1X 5 MVA
14	33/11 KV Nagewadi S/s	Sangli	5.00	04.02.2008	Additional 1X 5 MVA
15	33/11 KV Kadegaon S/s (Infra)	Sangli	5.00	20.02.2008	Additional 1X 5 MVA
16	33/11 KV Kandhar S/s (Infra)	Solapur	1.85	23.06.2007	1X3.15 MVA to 1X5 MVA
17	33/11 KV Jinti S/s (Infra)	Solapur	5.00	25.06.2007	Additional 1X 5 MVA
18	33/11 KV Angar S/s (Infra)	Solapur	5.00	23.07.2007	Additional 1X 5 MVA
19	33/11kV Chincholikati S/s (Infra)	Solapur	5.00	05.09.2007	1X5 MVA to 1X10 MVA
20	33/11kV Wadakbal S/s (Infra)	Solapur	5.00	27.12.2007	Additional 1X 5 MVA
21	33/11kV Pilliv S/s (Infra)	Solapur	2.00	01.12.2007	1X3 MVA to 1X5 MVA
22	33/11kV Pimpalner S/s (JBIC)	Solapur	5.00	04.09.2007	Additional 1X 5 MVA
<b>Total</b>			<b>76.40</b>	<b>MVA</b>	
<b><u>KONKAN ZONE</u></b>					
1	33/11 KV Talebazar S/s (Infra)	Sindhudurg	1.85	04.06.2007	1 X 3.15 MVA to 1 X 5 MVA
<b>Total</b>			<b>1.85</b>	<b>MVA</b>	
<b><u>NASHIK ZONE</u></b>					
1	33/11 kV Samangaon S/s	Nashik	1.85	06.04.2007	1 X 3.15 MVA to 1 X 5 MVA
2	33/11 kV Adgaon S/s	Nashik	3.15	07.04.2007	Additional 1X 3.15 MVA
3	33/11 kV Ambad-II S/s	Nashik	5.00	21.09.2007	1X5 MVA to 1X10 MVA
4	33/11 kV Shinde S/s	Nashik	1.85	21.10.2007	1 X 3.15 MVA to 1 X 5 MVA
5	33/11 kV Jaikheda S/s	Nashik	5.00	26.03.2008	1X5 MVA to 1X10 MVA
6	33/11 kV Nagarsul S/s (Infra)	Nashik	5.00	25.03.2008	Additional 1X 5 MVA
7	33/11 kV Bhod S/s (Infra)	Jalgaon	3.15	06.11.2007	Additional 1X 3.15 MVA
8	33/11 kV Kolgaon S/s	Jalgaon	5.00	12.12.2007	Additional 1X 5 MVA
9	33/11 kV Changdeo S/s	Jalgaon	3.00	31.07.2007	Additional 1X 3 MVA
10	33/11 kV Naigaon S/s (Infra)	Jalgaon	3.00	15.12.2007	Additional 1X 3 MVA
11	33/11 kV Nhavi S/s	Jalgaon	3.15	31.03.2008	Additional 1X 3.15 MVA
12	33/11 kV Mhasdi S/s	Dhule	1.85	14.01.2008	1 X 3.15 MVA to 1 X 5 MVA
13	33/11 kV Shevgaon S/s	Ahmednagar	3.15	30.04.2007	Additional 1X 3.15 MVA
14	33/11 kV Ghargaon S/s	Ahmednagar	3.15	30.06.2007	Additional 1X 3.15 MVA
15	33/11 kV Kanhegaon (Wari) S/s	Ahmednagar	1.85	25.07.2007	1 X 3.15 MVA to 1 X 5 MVA
16	33/11 kV Sakur S/s	Ahmednagar	3.15	30.11.2007	Additional 1X 3.15 MVA
17	33/11 kV Talegaon S/s	Ahmednagar	1.85	30.12.2007	1 X 3.15 MVA to 1 X 5 MVA
18	33/11 kV Pimparner S/s	Ahmednagar	3.15	28.02.2008	Additional 1X 3.15 MVA
19	33/11 kV Rui Chatishi S/s (Infra)	Ahmednagar	3.15	26.03.2008	Additional 1X 3.15 MVA
<b>Total</b>			<b>60.45</b>	<b>MVA</b>	
<b><u>SUB TOTAL OF WESTERN MAHARASHTRA REGION</u></b>			<b>171.85</b>	<b>MVA</b>	

Sr. No.	Name of Sub-Station	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
<b><u>VIDARBH REGION:-</u></b>					
<b><u>AMRAVATI ZONE</u></b>					
1	33/11 kV Adgaon S/s (Backlog)	Akola	1.85	12.02.2008	1 X 3.15 MVA to 1 X 5 MVA
2	33/11 kV Patur S/s	Akola	1.85	18.03.2008	1 X 3.15 MVA to 1 X 5 MVA
3	33/11 kV Barshi-Takali S/s (Backlog)	Akola	3.15	31.03.2008	Additional 1 X 3.15 MVA
4	33/11 kV Karanja Ramzapur S/s (Backlog)	Akola	2.15	31.03.2008	1 X 1 MVA to 1 X 3.15 MVA
5	33/11 kV Pimpalgaon S/s	Washim	1.85	31.05.2007	1 X 3.15 MVA to 1 X 5 MVA
6	33/11 kV MIDC Washim S/s (Backlog)	Washim	5.00	31.05.2007	Additional 1 X 5 MVA
7	33/11 kV Mangrul Zanak Washim S/s (Backlog)	Washim	3.15	31.12.2007	Additional 1 X 3.15 MVA
8	33/11 kV Mangrul Zanak Washim S/s	Washim	1.85	31.12.2007	1 X 3.15 MVA to 1 X 5 MVA
9	33/11 kV Risod S/s (Backlog)	Washim	3.15	31.03.2008	Additional 1 X 3.15 MVA
10	33/11 kV Janefal S/s	Buldhana	3.15	26.11.2007	Additional 1 X 3.15 MVA
11	33/11 kV Ladhkhed S/s	Yavatmal	2.00	16.11.2007	1 X 3 MVA to 1 X 5 MVA
12	33/11 kV Arni S/s	Yavatmal	2.00	21.04.2007	1 X 3 MVA to 1 X 5 MVA
<b>Total</b>			<b>31.15</b>	<b>MVA</b>	
<b><u>NAGPUR ZONE</u></b>					
1	33/11 kV Vishwakarma S/s (Backlog)	Chandrapur	5.00	07.11.2007	1 X 5 MVA to 1 X 10 MVA
2	33/11 kV Vishwakarma S/s (Backlog)	Chandrapur	5.00	08.11.2007	1 X 5 MVA to 1 X 10 MVA
3	33/11 kV Khambada S/s (Backlog)	Chandrapur	2.00	06.02.2008	1 X 3 MVA to 1 X 5 MVA
4	33/11 kV Chichgad S/s (Backlog)	Gondia	2.15	15.12.2007	1 X 1 MVA to 1 X 3.15 MVA
5	33/11 kV Goregaon S/s (Backlog)	Gondia	1.85	05.02.2008	1 X 3.15 MVA to 1 X 5 MVA
<b>Total</b>			<b>16.00</b>	<b>MVA</b>	
<b><u>NAGPUR URBAN ZONE</u></b>					
1	33/11kV Koradi S/s	Nagpur	10.00	13.08.2007	Additional 1 X 10 MVA
2	33/11kV Kanhan Water Works S/s	Nagpur	10.00	20.02.2008	Additional 1 X 10 MVA
3	33/11kV Parshioni S/s	Nagpur	5.00	11.08.2007	Additional 1 X 5 MVA
4	33/11 kV Gumthala S/s	Nagpur	5.00	05.08.2007	Additional 1 X 5 MVA
5	33/11 kV All India Radio (AIR) S/s	Nagpur	-3.00	01.04.2007	Deleted
<b>Total</b>			<b>27.00</b>	<b>MVA</b>	
<b><u>SUB TOTAL OF VIDARBH REGION</u></b>			<b>74.15</b>	<b>MVA</b>	
<b>TOTAL FOR THE STATE</b>			<b>277.75</b>	<b>MVA</b>	

ANNEXURE - 11

**TRANSMISSION LINES (11 KV & ABOVE)**

Line Volt in kV	No. of Ckts	Length in Ckt-Kms		
		As on 31.3.2007	During 2007-2008	As on 31.3.2008
33 kV	1	27375.42	574.485	27949.90
	2	1401.78	17.960	1419.74
22 kV	1	21891.99	216.949	22108.93
	2	96.26	0.310	96.57
11 kV	1	173506.56	10282.372	183788.94
	2	617.88	0.000	617.88
<b>Underground Cables</b>				
33 kV	1	189.52	33.410	222.93
22 kV	1	508.21	225.830	734.04
11 kV	1	2339.24	142.130	2481.37
<b>Total</b>		<b>227926.85</b>	<b>11493.446</b>	<b>239420.30</b>

ANNEXURE - 12

**TRANSMISSION LINES (11 KV & ABOVE)**  
**Regionwise Breakup**

Sr. No.	Region	Line Volt in kV	No. of Ckts	Length in Ckt-Kms			
				As on 31.3.2007	During 2007-2008	As on 31.3.2008	
1	WESTERN MAHARASHTRA	33 kV	1	13903.91	369.92	14273.83	
			2	1137.18	4.70	1141.88	
		22 kV	1	21891.99	216.95	22108.94	
			2	96.26	0.31	96.57	
		11 kV	1	78115.50	6055.55	84171.05	
			2	497.48	0.00	497.48	
		Underground Cables					
		33 kV	1	54.99	4.84	59.83	
		22 kV	1	508.21	225.83	734.04	
		11 kV	1	1584.67	89.52	1674.19	
		Total		117790.18	6967.62	124757.80	
2	MARATHWADA	33 kV	1	7275.32	74.43	7349.75	
			2	192.48	0.00	192.48	
		22 kV	1	0.00	0.00	0.00	
			2	0.00	0.00	0.00	
		11 kV	1	49164.23	2495.19	51659.42	
			2	106.70	0.00	106.70	
		Underground Cables					
		33 kV	1	3.41	0.55	3.96	
		22 kV	1	0.00	0.00	0.00	
		11 kV	1	74.32	8.45	82.77	
		Total		56816.46	2578.62	59395.08	

Sr. No.	Region	Line Volt in kV	No. of Ckts	Length in Ckt-Kms			
				As on 31.3.2007	During 2007-2008	As on 31.3.2008	
3	VIDARBH	33 kV	1	6225.85	130.14	6355.99	
			2	65.12	13.26	78.38	
		22 kV	1	0.00	0.00	0.00	
			2	0.00	0.00	0.00	
		11 kV	1	46226.84	1731.63	47958.47	
			2	13.70	0.00	13.70	
		Underground Cables					
		33 kV	1	132.93	25.32	158.25	
		22 kV	1	0.00	0.00	0.00	
		11 kV	1	680.26	44.16	724.42	
		Total		53344.70	1944.51	55289.21	

## ANNEXURE - 13

### DISTRIBUTION LINES ( BELOW 11kV ) 2007-2008

Sr. No.	Region	Length in Ckt-kms		
		As on 31.3.2007	During 2007-2008	As on 31.3.2008
1	Western Maharashtra	248615.73	4933.845	253549.58
2	Marathwada	114671.13	2389.615	117060.74
3	Vidarbha	115854.21	2869.760	118723.97
	<b>Total</b>	<b>479141.07</b>	<b>10193.220</b>	<b>489334.29</b>



**ANNEXURE - 14**

**TRANSFORMATION CAPACITY IN SERVICE 2007-2008**

Sr. No.	Region	TRANSFORMATION CAPACITY IN SERVICE ( IN MVA )					
		As on 31.3.2007		During 2007-2008		As on 31.3.2008	
		Below 11 kV	11 kV & Above	Below 11 kV	11 kV & Above	Below 11 kV	11 kV & Above
1	Western Maharashtra	* 17465.644	* 8047.500	1264.140	438.300	18729.784	8485.800
2	Marathwada	* 4512.025	* 3318.850	437.942	106.750	4949.967	3425.600
3	Vidarbha	* 4275.098	* 2262.050	297.830	169.150	4572.928	2431.200
	<b>Total</b>	<b>26252.767</b>	<b>13628.400</b>	<b>1999.912</b>	<b>714.200</b>	<b>28252.679</b>	<b>14342.600</b>

**NOTE:- \* Reconciled**

**ANNEXURE 28**

**VILLAGES ELECTRIFIED DURING 2007-2008**

As per 2001 census 41095 inhabited villages in the state out of which 36312 villages are electrified as on 31/03/2008 as per revised definition of Village Electrification. During the year 2007-08, 274 nos. of villages are electrified.

**ANNEXURE-29**

**Zonewise abstract of number of places electrified & the number of Agricultural pumps served by the Board (including Licensees figures), percentage of villages electrified & population served**

SR. NO.	NAME OF THE DISTRICT	As on 31.3.2007 including Licensees Figures		Achievement during the year 2007-2008 by MSEDCL		As on 31.3.2007 including Licensees Figures		% of places electrified
		No.of towns & villages electrified 2001 Census	No.of Pumps energised	No.of towns & villages electrified 2001 Census	No.of Pumps energised	No.of towns & villages electrified 2001 Census	No.of Pumps energised	
1	2	3	4	5	6	7	8	9
1.	Gr.Bombay	1	-	-	-	1	-	100.00
2.	Thane	1764	24,096	-	614	1764	24710	100.00
3.	Raigad	1585	12,604	-	443	1585	13047	84.08
KALYAN ZONE		3350	36700	0	1057	3350	37757	94.69
4.	Ratnagiri	1190	12,796	-	321	1190	13117	76.82
5.	Sindhudurg	599	15,108	-	433	599	15541	80.08
KOKAN ZONE		1789	27904	0	754	1789	28658	78.45
6.	Nasik	1504	2,51,085	-	5908	1504	256993	77.49
7.	Dhule	640	1,13,814	-	1938	640	116792	93.98
8.	Nandurbar	581			1040	581		61.81
9.	Jalgaon	1458	1,63,398	-	3850	1458	167248	96.81
10.	Ahmednagar	1219	2,70,916	-	5087	1219	2,76,915	76.38
NASIK ZONE		5402	799213	0	17823	5402	817948	81.29
11.	Pune	1825	1,78,326		8606	1825	186932	97.65
12.	Satara	1729	1,06,955	-	3774	1729	110729	99.88
13.	Sangli	729	1,35,941	-	6020	729	141961	100.00
14.	Solapur	1071	2,04,692	77	10807	1148	215499	93.29
15.	Kolhapur	1211	84,763	-	2701	1211	87464	99.75
KOLHAPUR ZONE		6565	710677	77	31908	6642	742585	98.11
16.	Aurangabad	1211	1,40,798	-	7450	1211	148248	92.51
17.	Jalna	840	74,336	-	2667	840	77003	86.87
18.	Parbhani	803	96,819	-	2534	803	102095	95.82
19.	Hingoli	638		-	2742	638		94.38
AURANGABAD ZONE		3492	311953	0	15393	3492	327346	92.40
20.	Nanded	1414	75,371	102	4701	1516	80072	90.70
21.	Beed	1083	1,06,506	-	10558	1083	117064	79.63
22.	Osmanabad	717	78,213	-	7159	717	85372	97.29
23.	Latur	926	73,592	-	7731	926	81323	100.00
BEED ZONE		4140	333682	102	30149	4242	363831	91.91
24.	Buldhana	1025	1,06,373	-	3753	1025	110126	78.36
25.	Akola	857	72,299	-	1008	857	75053	98.51
26.	Washim	659		-	1746	659		93.34
27.	Amravati	1466	94,373	-	1910	1466	96283	86.75
28.	Yeotmal	1607	70,404	-	4266	1607	74670	85.98
AMRAVATI ZONE		5614	343449	0	12683	5614	356132	88.59
29.	Wardha	993	53,860	-	1526	993	55386	98.22
30.	Nagpur	1498	84,295	-	2479	1498	86774	90.40
31.	Bhandara	743	40,518	-	1644	743	43328	94.77
32.	Gondia	854		40	1166	894		95.42
33.	Chandrapur	1184	27,777	-	1129	1184	28906	79.68
34.	Gadchiroli	792	8,139	55	365	847	8504	52.00
NAGPUR ZONE		6064	214589	95	8309	6159	222898	85.08
TOTAL FOR STATE		36416	2778167	274	118076	36690	2897155	88.81513

**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD.**

**33 kV & 22 kV SUB-STATIONS IN MSEDCL LTD. AS ON 31.03.08**

<b>Sr. No.</b>	<b>Name of the District</b>	<b>33 kV &amp; 22 kV substations</b>
1	2	3
1.	Gr.Mumbai	11
2.	Thane	71
3.	Raigad	24
<b>KALYAN ZONE</b>		<b>106</b>
4.	Ratnagiri	37
5.	Sindhudurg	22
<b>KONKAN ZONE</b>		<b>59</b>
6.	Nasik	117
7.	Dhule	43
8.	Nandurbar	33
9.	Jalgaon	93
10.	Ahmednagar	108
<b>NASHIK ZONE</b>		<b>394</b>
11.	Pune	130
<b>PUNE ZONE</b>		<b>130</b>
12.	Satara	54
13.	Sangli	78
14.	Solapur	133
15.	Kolhapur	80
<b>KOLHAPUR ZONE</b>		<b>345</b>
16.	Aurangabad	74
17.	Jalna	52
18.	Parbhani	44
19.	Hingoli	28
<b>AURANGABAD ZONE</b>		<b>198</b>
20.	Nanded	71
21.	Beed	90
22.	Osmanabad	60
23.	Latur	76
<b>LATUR ZONE</b>		<b>297</b>
24.	Buldhana	53
25.	Akola	32
26.	Washim	25
27.	Amravati	46
28.	Yeotmal	47
<b>AMRAVATI ZONE</b>		<b>203</b>
29.	Nagpur	62
<b>NAGPUR URBAN ZONE</b>		<b>62</b>
30.	Wardha	24
31.	Bhandara	17
32.	Gondia	12
33.	Chandrapur	24
34.	Gadchiroli	18
<b>NAGPUR ZONE</b>		<b>95</b>
<b>TOTAL FOR STATE</b>		<b>1,889</b>