

## EMPLOYMENT AND LIVELIHOODS

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Employment related data from the Census of 1991 has been analysed in these tables to assess the extent of dependency and un-employment in the district. Further data on agriculture, land ownership and land distribution, land classification, and other aspects of provision and access to livelihood supporting infrastructure and resources are presented in these tables. The last table attempts a preliminary analysis of the trends in employment figures of Census in nine industrial categories, and the main non-farm employment categories in 1991

**EL 1 EMPLOYMENT IN MADHYA PRADESH, 1991**

DISTRICT	Worker Participation Rate					Employment share			
	ALL	Male	Female	Rural	Urban	Primary	Secondary	Tertiary	Non farm sector
BHIND	27.4%	46%	4%	28%	25%	79.9%	4.3%	15.8%	20.2%
BHOPAL	31.8%	48%	14%	43%	29%	24.9%	24.5%	50.6%	75.5%
GWALIOR	30.9%	47%	11%	36%	27%	47.2%	16.7%	63.1%	53.4%
INDORE	34.3%	51%	16%	44%	30%	34.3%	22.8%	42.9%	65.8%
MORENA	31.5%	47%	12%	33%	25%	81.7%	5.0%	13.4%	18.6%
JABALPUR	37.0%	50%	23%	44%	28%	56.2%	18.6%	25.2%	44.6%
DATIA	36.8%	51%	20%	40%	27%	77.1%	6.4%	16.5%	23.0%
RAISEN	37.4%	51%	22%	39%	30%	78.6%	9.0%	12.3%	21.9%
SAGAR	39.1%	50%	26%	42%	33%	57.4%	25.6%	17.0%	43.0%
GUNA	37.0%	52%	21%	39%	28%	79.1%	6.8%	14.1%	21.0%
NARSIMHAPUR	39.6%	52%	25%	41%	29%	79.8%	6.7%	13.5%	20.3%
REWA	37.7%	46%	29%	39%	30%	79.7%	6.9%	13.4%	20.5%
VIDISHA	37.5%	52%	21%	40%	28%	79.3%	6.2%	14.6%	22.0%
DURG	43.9%	51%	37%	51%	30%	71.4%	13.1%	15.5%	30.0%
SATNA	40.3%	50%	30%	42%	32%	74.2%	12.7%	13.1%	26.9%
HOSHANGABAD	37.5%	51%	23%	41%	27%	71.4%	9.2%	19.3%	28.7%
DEWAS	41.0%	51%	30%	45%	31%	76.6%	10.3%	13.2%	23.5%
DAMOH	40.9%	53%	28%	43%	32%	63.8%	24.0%	12.1%	36.3%
BILASPUR	44.7%	52%	37%	48%	30%	82.4%	5.8%	11.8%	18.9%
UJJAIN	39.8%	52%	26%	47%	29%	65.9%	13.6%	20.5%	34.2%
SEHORE	42.0%	51%	32%	45%	29%	81.4%	5.9%	12.6%	18.6%
BALGHAT	49.8%	54%	45%	52%	30%	83.5%	7.8%	8.6%	17.9%
RAIPUR	47.1%	53%	41%	51%	32%	80.2%	7.2%	12.6%	20.0%
TIKAMGARH	42.8%	51%	33%	45%	31%	86.4%	4.6%	9.0%	13.7%
PANNA	41.6%	53%	29%	43%	31%	86.3%	4.4%	9.3%	15.5%
SHAHNOL	43.5%	54%	33%	47%	29%	85.0%	4.9%	10.1%	20.7%
SHIVPURI	42.5%	53%	30%	45%	28%	84.6%	3.8%	11.6%	16.5%
SHAJAPUR	44.7%	54%	35%	48%	31%	82.9%	5.8%	11.3%	17.2%
CHHATRAPUR	41.0%	52%	29%	44%	30%	82.6%	6.0%	11.5%	17.5%
SIDHI	43.0%	52%	34%	44%	31%	87.5%	4.3%	8.2%	14.7%
MANDSAUR	46.6%	54%	38%	51%	32%	80.3%	6.5%	13.2%	19.9%
RAIGARH	49.2%	58%	41%	51%	31%	85.6%	5.3%	9.1%	14.5%
MANDLA	51.2%	55%	47%	53%	30%	90.4%	2.8%	6.9%	9.7%
CHHINDWARA	43.5%	52%	34%	48%	28%	81.3%	5.4%	13.4%	23.2%
EAST NIMAR	43.7%	53%	34%	49%	29%	76.7%	9.8%	13.5%	23.4%
SEONI	49.2%	54%	44%	51%	28%	87.3%	3.4%	9.3%	12.7%
SARGUJA	47.4%	57%	38%	50%	26%	89.0%	2.7%	8.3%	15.7%
RAJGARH	47.0%	55%	38%	50%	30%	82.4%	6.6%	11.1%	17.7%
RAJNANDGAON	52.4%	55%	50%	56%	34%	86.2%	5.1%	8.7%	13.9%
DHAR	46.7%	53%	40%	49%	33%	84.1%	5.9%	10.0%	15.9%
RATLAM	46.0%	55%	37%	53%	30%	74.2%	9.1%	16.7%	25.9%
WEST NIMAR	45.9%	52%	39%	49%	31%	84.8%	4.8%	10.4%	15.2%
BETUL	46.7%	53%	40%	51%	27%	84.8%	4.7%	10.5%	17.5%
BASTAR	53.6%	59%	49%	55%	31%	89.5%	3.2%	7.2%	11.0%
JHABUA	54.0%	56%	52%	56%	33%	90.6%	2.7%	6.7%	9.6%
MADHYA PRADESH	42.8%	52%	33%	47%	30%	77.5%	8.4%	14.1%	23.3%

Source: Census of India 1991, Sanket-MPHRO

**EL 1 EMPLOYMENT IN MADHYA PRADESH, 1991**

DISTRICT	District: Rural				District: Urban			
	Primary	Secondary	Tertiary	Non-Form sector	Primary	Secondary	Tertiary	Non farm sector
BHIND	89.3%	2.1%	8.6%	10.8%	39.7%	13.9%	46.4%	60.6%
BHOPAL	87.1%	5.9%	7.0%	13.5%	5.5%	30.2%	64.3%	94.9%
GWALIOR	89.1%	3.4%	7.6%	11.8%	12.9%	27.7%	59.5%	87.5%
INDORE	81.7%	8.0%	10.3%	18.5%	5.9%	31.8%	62.4%	94.2%
MORENA	92.2%	2.2%	5.6%	8.0%	32.0%	17.8%	50.1%	68.8%
JABALPUR	83.8%	9.5%	6.7%	17.2%	9.6%	34.0%	56.4%	90.9%
DATIA	89.6%	3.5%	6.9%	10.5%	21.7%	19.2%	59.1%	78.5%
RAISEN	86.9%	5.7%	7.4%	13.7%	25.8%	30.3%	43.8%	74.3%
SAGAR	73.4%	20.6%	6.0%	27.0%	12.0%	39.7%	48.3%	88.1%
GUNA	91.5%	3.3%	5.2%	8.6%	18.5%	24.0%	57.6%	81.6%
NARSIMHAPUR	88.0%	4.6%	7.4%	12.0%	17.7%	22.6%	59.6%	82.4%
REWA	86.3%	5.1%	8.6%	13.9%	35.2%	19.2%	45.6%	65.0%
VIDISHA	91.1%	3.3%	5.6%	10.3%	18.9%	20.9%	60.2%	81.4%
DURG	90.1%	4.5%	5.4%	10.5%	13.9%	39.4%	46.7%	89.9%
SATNA	83.7%	9.2%	7.1%	17.6%	27.6%	30.0%	42.4%	72.6%
HOSHANGABAD	87.4%	5.2%	7.4%	12.8%	14.0%	23.6%	62.4%	86.1%
DEWAS	89.6%	4.2%	6.2%	10.4%	27.2%	33.3%	39.6%	73.0%
DAMOH	72.8%	20.9%	6.3%	27.3%	12.8%	42.0%	45.2%	87.5%
BILASPUR	90.3%	3.7%	6.0%	10.9%	26.1%	20.6%	53.3%	76.2%
UJJAIN	90.3%	4.2%	5.5%	9.8%	11.6%	34.5%	53.9%	88.7%
SEHORE	90.4%	3.6%	6.0%	9.6%	30.9%	20.3%	53.7%	74.1%
BALGHAT	87.2%	7.2%	5.6%	14.0%	18.4%	16.6%	52.4%	74.8%
RAIPUR	90.2%	4.3%	5.3%	9.9%	51.6%	24.4%	57.2%	81.8%
TIKAMGARH	92.1%	3.3%	4.7%	8.0%	41.2%	12.9%	35.5%	48.6%
PANNA	91.6%	3.3%	5.0%	10.1%	46.4%	13.6%	45.2%	61.6%
SHAHDOL	92.0%	3.2%	4.7%	10.5%	23.4%	14.3%	39.3%	77.1%
SHIVPURI	92.6%	2.1%	5.3%	8.3%	35.1%	16.7%	59.9%	78.8%
SHAJAPUR	90.4%	3.9%	5.7%	9.6%	43.2%	17.8%	47.1%	64.9%
CHHATRAPUR	90.1%	4.4%	5.5%	10.0%	34.0%	14.0%	42.8%	56.8%
SIDHI	90.6%	3.6%	5.8%	10.8%	28.9%	16.9%	49.1%	82.6%
MANDSAUR	90.9%	3.7%	5.4%	9.3%	20.5%	19.9%	51.3%	71.4%
RAIGARH	90.5%	4.1%	5.4%	9.6%	27.5%	21.3%	58.1%	79.7%
MANDLA	93.5%	2.2%	4.3%	6.6%	39.4%	13.6%	58.9%	72.8%
CHHINDWARA	89.7%	3.3%	6.9%	12.0%	16.5%	15.6%	44.9%	78.2%
EAST NIMAR	91.3%	3.4%	5.3%	8.8%	19.8%	36.1%	47.5%	83.6%
SEONI	91.7%	2.4%	5.9%	8.3%	46.8%	19.2%	61.0%	80.3%
SARGUJA	93.0%	2.1%	4.9%	8.5%	26.3%	9.9%	43.3%	90.6%
RAJGARH	90.8%	4.2%	4.9%	9.2%	26.3%	22.1%	51.7%	73.9%
RAJNANDGAON	92.9%	2.9%	4.2%	7.3%	28.6%	24.0%	47.3%	71.5%
DHAR	90.6%	3.8%	5.6%	9.4%	26.8%	24.1%	49.2%	73.3%
RATLAM	92.1%	3.4%	4.5%	7.9%	15.5%	27.8%	56.6%	84.5%
WEST NIMAR	92.1%	2.6%	5.3%	8.0%	28.2%	21.4%	50.4%	71.9%
BETUL	91.5%	3.1%	5.4%	9.0%	35.0%	16.9%	48.2%	81.5%
BASTAR	92.6%	2.5%	4.9%	7.5%	29.1%	17.8%	53.1%	30.3%
JHABUA	95.2%	1.6%	3.2%	5.1%	24.7%	18.1%	57.1%	75.3%
MADHYA PRADESH	89.8%	4.5%	5.7%	10.7%	20.3%	26.5%	53.2%	82.2%

Source: Census of India . 1991, Sanket – MPHDR0

EL-1 – Employment in Madhya Pradesh, 1991

District	All	All	All	All	All	All	All
	Cultivators share of main works	Agriculture labour share of main works	Agriculture allied share of main works	Mining share of main works	Household manufacturing share of main works	Non household manufacturing share of main works	Construction share of main works
BHIND	66.5%	12.6%	0.6%	0.1%	1.1%	2.0%	1.2%
BHOPAL	13.6%	9.2%	1.6%	0.4%	1.1%	14.5%	8.8%
GWALIOR	35.0%	10.2%	1.4%	0.6%	1.8%	10.7%	4.2%
INDORE	18.5%	14.8%	0.9%	0.1%	1.3%	17.5%	4.0%
MORENA	71.8%	8.8%	0.8%	0.3%	0.8%	2.6%	1.6%
JABALPUR	29.0%	24.7%	1.6%	0.8%	3.7%	12.5%	2.4%
DATIA	62.9%	13.0%	1.0%	0.1%	1.9%	2.7%	1.8%
RAISEN	38.9%	37.6%	1.5%	0.6%	2.3%	5.3%	1.4%
SAGAR	32.7%	22.7%	1.7%	0.3%	19.9%	3.8%	1.9%
GUNA	58.9%	18.8%	1.3%	0.1%	2.5%	2.6%	1.7%
NARSIMHAPUR	39.8%	38.9%	1.0%	0.1%	3.5%	2.1%	1.1%
REWA	41.1%	36.9%	1.4%	0.2%	3.0%	2.6%	1.3%
VIDISHA	43.5%	33.3%	1.2%	1.2%	1.7%	2.8%	1.6%
DURG	43.3%	25.0%	1.7%	1.4%	1.2%	9.9%	2.1%
SATNA	42.3%	29.2%	1.6%	1.1%	6.1%	5.2%	1.3%
HOSHANGABAD	36.4%	32.7%	2.3%	0.1%	2.3%	4.3%	2.6%
DEWAS	43.5%	31.8%	1.2%	0.1%	1.9%	7.1%	1.3%
DAMOH	36.5%	26.1%	1.4%	0.2%	14.9%	7.6%	1.5%
BILASPUR	55.0%	24.6%	1.5%	1.3%	1.3%	3.0%	1.4%
UJJAIN	40.8%	23.8%	1.2%	0.1%	1.8%	9.3%	2.5%
SEHORE	49.8%	30.7%	0.9%	0.0%	1.9%	2.5%	1.6%
BALGHAT	52.8%	27.5%	1.8%	1.4%	3.4%	3.7%	0.7%
RAIPUR	49.3%	28.8%	1.8%	0.3%	1.6%	4.5%	1.1%
TIKAMGARH	73.5%	11.7%	1.1%	0.1%	2.3%	1.5%	0.8%
PANNA	55.4%	27.0%	2.0%	1.8%	2.3%	1.3%	0.9%
SHAHDOL	53.1%	25.4%	0.8%	5.7%	1.8%	2.0%	1.1%
SHIVPURI	70.1%	12.3%	1.1%	1.0%	1.0%	1.5%	1.3%
SHAJAPUR	50.1%	30.8%	1.9%	0.0%	1.9%	2.3%	1.6%
CHHATRAPUR	59.6%	20.5%	2.4%	0.1%	2.9%	1.9%	1.2%
SIDHI	60.0%	24.1%	1.2%	2.2%	1.7%	1.5%	1.1%
MANDSAUR	59.2%	19.5%	1.4%	0.2%	1.3%	3.7%	1.5%
RAIGARH	60.4%	24.2%	0.9%	0.1%	2.7%	2.0%	0.6%
MANDLA	65.1%	24.3%	0.9%	0.1%	1.3%	1.0%	0.5%
CHHINDWARA	50.0%	25.9%	0.9%	4.4%	1.7%	2.2%	1.5%
EAST NIMAR	41.5%	33.3%	1.9%	0.1%	1.2%	6.8%	1.8%
SEONI	51.9%	33.8%	1.6%	0.0%	1.3%	1.3%	0.8%
SARGUJA	66.5%	16.9%	1.0%	4.7%	0.9%	1.2%	0.6%
RAJGARH	58.1%	21.4%	2.8%	0.1%	2.6%	2.6%	1.4%
RAJNANDGAON	63.7%	20.3%	2.0%	0.2%	1.5%	2.9%	0.7%
DHAR	59.2%	24.1%	0.7%	0.0%	1.0%	3.8%	1.1%
RATLAM	55.0%	18.1%	1.1%	0.0%	1.7%	5.4%	2.1%
WEST NIMAR	54.9%	28.8%	1.1%	0.0%	1.2%	2.6%	1.0%
BETUL	59.8%	24.2%	1.5%	2.4%	1.3%	2.0%	1.4%
BASTAR	73.2%	14.7%	1.1%	0.6%	1.3%	1.1%	0.8%
JHABUA	84.1%	5.9%	0.4%	0.2%	0.9%	0.8%	1.0%
MADHYA PRADESH	51.8%	23.5%	1.4%	0.9%	2.4%	4.4%	1.6%

Source Census of India, 1991, Sanket – MPHDO

**EI 1- Employment In Madhya Pradesh 1991**

DISTRICT	All			Child WORKS –1991 Census			
	Trade & Commerce share of main works	Transport etc.: share of main works	Other services share of main works	Children (5-14 years) as main works		Children (5-14 years ) as main and marginal works	
				%*	Nos.	%*	Nos.
BHIND	3.9%	1.0%	10.9%	1.5%	4820	1.7%	5270
BHOPAL	15.9%	6.9%	27.8%	1.8%	6163	2.5%	8452
GWALIOR	10.3%	3.6%	22.3%	2.3%	8111	2.9%	10281
INDORE	16.6%	6.3%	19.9%	2.7%	11687	3.1%	13407
MORENA	4.1%	1.7%	7.6%	3.1%	14250	3.8%	17820
JABALPUR	8.6%	4.0%	12.6%	2.9%	18835	3.8%	24485
DATIA	5.1%	1.2%	10.3%	2.9%	2910	4.8%	4760
RAISEN	4.1%	1.2%	7.0%	3.6%	8612	4.9%	11651
SAGAR	5.6%	2.1%	9.3%	3.9%	17260	5.3%	23630
GUNA	4.4%	1.1%	8.6%	3.7%	12760	5.4%	18500
NARSIMHAPUR	4.8%	1.2%	7.5%	4.1%	8000	5.4%	10507
REWA	3.7%	1.2%	8.5%	4.0%	15960	5.5%	22231
VIDISHA	5.5%	1.4%	7.6%	3.9%	10287	5.5%	14536
DURG	5.2%	2.3%	8.1%	4.8%	27327	5.5%	30997
SATNA	4.9%	1.7%	6.4%	4.4%	16172	5.8%	21378
HOSANGABAD	6.1%	3.0%	10.2%	4.3%	13970	5.9%	19230
DEWAS	4.1%	1.4%	7.6%	4.8%	13382	6.2%	17266
DAMOH	4.8%	1.4%	5.9%	4.9%	11713	6.4%	15523
BILASPUR	3.8%	1.7%	6.4%	4.7%	44452	6.5%	61025
UJJAIN	7.2%	2.5%	10.8%	5.0%	17210	6.6%	22440
SEHOR	4.1%	1.4%	7.1%	4.7%	10310	6.6%	14420
BALAGHAT	3.0%	0.7%	5.0%	5.0%	15960	6.7%	21280
RAIPUR	5.0%	1.8%	5.7%	6.1%	56878	7.6%	70538
TIKAMGARH	2.9%	0.7%	5.3%	5.0%	12520	7.7%	19290
PANNA	3.0%	0.7%	5.6%	5.6%	10160	7.9%	14360
SHAHDOL	3.1%	1.0%	6.0%	5.6%	24370	7.9%	34742
SHIVPURI	3.7%	1.0%	7.0%	5.6%	15570	8.0%	22060
SHAJAPUR	4.4%	1.1%	5.7%	6.0%	16152	8.4%	22662
CHHATARPUR	4.1%	1.1%	6.2%	5.5%	16506	8.5%	25383
SIDHI	2.3%	0.7%	5.3%	5.6%	20921	8.5%	31794
MANDSAUR	5.4%	1.7%	6.1%	7.4%	28870	9.3%	36278
RAIGARH	2.8%	0.8%	5.5%	6.5%	25290	9.7%	38181
MANDLA	1.9%	0.5%	4.4%	8.5%	26220	10.3%	31850
CHHINDWARA	4.2%	1.3%	7.8%	7.9%	31200	10.5%	41496
EAST NIMAR	5.5%	2.0%	6.0%	8.5%	32370	10.6%	40490
SEONI	3.0%	0.9%	5.4%	8.2%	20525	10.7%	26.857
SARGUJA	2.3%	0.7%	5.2%	6.9%	3470	11.1%	55470
RAJGARH	4.2%	1.1%	5.7%	7.2%	18130	11.2%	28277
RAJNANDGAON	3.1%	0.9%	4.6%	9.4%	32520	11.2%	38820
DHAR	3.6%	1.2%	5.3%	8.7%	32730	11.4%	42587
RATLAM	6.7%	2.7%	7.4%	8.3%	20838	12.1%	30447
WEST NIMAR	3.9%	1.2%	5.3%	9.8%	54490	12.6%	70090
BETUL	3.1%	1.3%	6.1%	11.2%	33534	13.8%	41384
BASTAR	1.9%	0.6%	4.7%	13.4%	76042	17.7%	100584
JHABUA	2.2%	0.6%	3.9%	15.2%	47674	25.5%	79834
MADHYA PRADESH	4.8%	1.7%	7.6%	6.0%	997931	8.1%	1352563

\* The Percentage are out of the total child population Source: Census of India, 1991, Sanket – MPHRO

**EL 2: Dependency Ratio and Persons without Full Employment**

DISTRICT	All	All	Seeking / Available for works as Percentage of population			Marginal workers (age 15-59) out of total population		
	Dependency Ratio: 1981	Dependency Ratio:1991	Total	Males	Females	Total	Male	Female
	BHOPAL	81.0%	73.7%	2.88%	2.54%	3.26%	2.5%	0.5%
INDORE	79.0%	73.7%	1.07%	1.06%	1.08%	1.9%	0.4%	3.7%
DURG	86.0%	75.2%	1.06%	1.25%	0.86%	2.2%	0.6%	3.8%
RAIGARH	81.0%	76.0%	0.77%	0.94%	0.60%	14.3%	1.1%	27.6%
JABALPUR	84.0%	77.3%	0.99%	1.20%	0.76%	5.1%	0.6%	10.0%
BALAGHAT	87.0%	77.3%	0.34%	0.41%	0.28%	10.7%	0.8%	20.6%
GWALIOR	85.0%	79.9%	1.39%	1.53%	1.21%	3.7%	0.6%	7.6%
MANDLA	90.0%	80.0%	0.47%	0.51%	0.42%	7.1%	0.7%	13.6%
BASTAR	87.0%	80.2%	0.31%	0.31%	0.30%	14.7%	0.9%	28.5%
RAIPUR	88.0%	80.7%	0.23%	0.30%	0.16%	4.9%	0.6%	9.2%
RAJNANDGAON	94.0%	80.6%	0.58%	0.77%	0.39%	4.0%	0.9%	7.1%
SARGUJA	82.0%	81.3%	0.51%	0.58%	0.43%	7.9%	1.0%	35.6%
SHAHDOL	86.0%	81.5%	0.82%	0.96%	0.67%	9.0%	0.9%	17.8%
UJJAIN	90.0%	82.5%	0.33%	0.39%	0.26%	5.3%	0.7%	10.3%
RATLAM	89.0%	82.6%	0.52%	0.57%	0.48%	9.1%	1.0%	17.7%
MANDSAUR	90.0%	83.0%	0.36%	0.43%	0.29%	7.1%	0.7%	14.0%
SEONI	96.0%	84.5%	0.33%	0.43%	0.23%	2.5%	1.0%	24.3%
BILASPUR	91.0%	85.2%	0.70%	0.85%	0.55%	6.1%	0.8%	11.5%
NARSIMHAPUR	95.0%	86.2%	0.61%	0.70%	0.51%	5.5%	0.5%	11.1%
DATIA	91.0%	86.4%	1.27%	1.25%	1.28%	8.8%	1.1%	17.9%
SATNA	93.0%	86.7%	0.50%	0.64%	0.35%	7.0%	1.0%	13.5%
CHHINDWARA	96.0%	88.0%	0.30%	0.39%	0.21%	9.5%	0.7%	18.8%
RAJGARH	94.0%	88.3%	0.78%	0.86%	0.70%	15.8%	1.1%	31.7%
HOSHANGABAD	91.0%	88.5%	0.97%	0.99%	0.93%	6.1%	0.6%	12.3%
PANNA	95.0%	88.9%	0.51%	0.43%	0.60%	10.1%	1.0%	20.4%
SHIVPURI	93.0%	89.1%	0.33%	0.34%	0.32%	12.0%	0.6%	25.8%
DAMOH	96.0%	89.6%	1.16%	1.26%	1.04%	8.5%	0.8%	17.1%
SHAJAPUR	97.0%	89.7%	0.35%	0.37%	0.34%	10.1%	0.9%	20.0%
DHAR	99.0%	90.0%	0.57%	0.65%	0.48%	8.5%	0.6%	16.9%
BHIND	94.0%	90.3%	0.36%	0.46%	0.24%	1.7%	0.3%	3.4%
EAST NIMAR	93.0%	90.3%	0.46%	0.56%	0.35%	6.1%	0.6%	12.0%
SAGAR	94.0%	91.1%	0.62%	0.69%	0.54%	7.6%	0.9%	15.3%
DEWAS	98.0%	91.7%	0.91%	1.01%	0.80%	7.2%	0.8%	14.2%
TIKAMGARH	97.0%	91.9%	0.61%	0.73%	0.48%	12.7%	0.8%	26.4%
GUNA	96.0%	92.1%	1.59%	1.11%	2.14%	9.3%	0.7%	19.0%
VIDISHA	97.0%	92.7%	1.55%	1.47%	1.64%	7.2%	0.9%	14.5%
BETUL	98.0%	92.9%	0.43%	0.48%	0.39%	7.2%	0.7%	13.9%
MORENA	96.0%	93.2%	0.24%	0.29%	0.19%	4.5%	0.3%	9.6%
REWA	97.0%	93.3%	0.54%	0.63%	0.44%	6.4%	1.1%	12.0%
CHHARATPUR	99.0%	93.4%	0.67%	0.68%	0.65%	10.7%	0.8%	22.4%
SIDHI	98.0%	94.0%	0.85%	0.94%	0.75%	11.2%	1.2%	22.3%
RAISEN	98.0%	94.3%	0.76%	0.70%	0.83%	6.2%	0.8%	12.3%
WEST NIMAR	102.0%	95.0%	0.41%	0.48%	0.34%	9.5%	0.6%	18.9%
SEHORE	99.0%	95.9%	0.46%	0.54%	0.38%	9.3%	0.8%	18.8%
JHABUA	100.0%	98.9%	0.28%	0.31%	0.26%	22.2%	1.4%	43.4%
MADHYA PRADESH		85.2%	0.68%	0.75%	0.61%	8.0%	0.8%	15.9%

Source: Census of India , 1991, Sanket – MPHDRO

**EL -2 DEPENDENCY RATIO AND PERSONS WITHOUT FULL EMPLOYMENT**

DISTRICT	All		All	All	Rural	Rural	Rural	Rural
	Non works (age 5-59) out of total population			Person without full employment	Dependency Ratio: 1991	Seeking available for work as percentage of Population		
	Total	Male	Female			Total	Male	Female
BHOPAL	48.4%	22.8%	78.0%	11.3%	98.2%	0.34%	0.35%	0.34%
INDORE	45.0%	19.4%	73.9%	7.9%	86.5%	0.88%	0.86%	0.90%
DURG	29.9%	19.5%	40.9%	8.0%	82.6%	0.55%	0.73%	0.37%
RAIGARH	24.9%	12.1%	37.6%	12.3%	76.7%	0.58%	0.73%	0.44%
JABALPUR	40.4%	20.4%	62.8%	9.9%	85.2%	0.55%	0.66%	0.44%
BALAGHAT	20.1%	14.4%	25.7%	10.3%	78.3%	0.22%	0.26%	0.16%
GWALIOR	48.9%	22.2%	81.8%	10.2%	89.9%	0.77%	0.91%	0.60%
MANDLA	18.7%	12.0%	25.5%	7.8%	80.8%	0.36%	0.40%	0.32%
BASTAR	16.2%	8.3%	24.1%	10.7%	81.5%	0.25%	0.26%	0.25%
RAIPUR	23.8%	14.4%	33.3%	6.9%	83.5%	0.11%	0.17%	0.05%
RAJNANDGAON	16.5%	12.3%	20.5%	6.2%	83.5%	0.29%	0.45%	0.14%
SARGUJA	25.4%	11.1%	40.3%	13.5%	82.3%	0.35%	0.37%	34.00%
SHAHDOL	29.8%	13.5%	47.4%	9.6%	82.9%	0.00%	0.60%	0.52%
UJJAIN	35.5%	15.6%	57.1%	7.5%	89.6%	0.56%	0.15%	0.07%
RATLAM	26.6%	12.2%	42.0%	8.9%	89.1%	0.11%	0.22%	0.19%
MANDSAUR	24.8%	12.2%	38.2%	7.6%	85.1%	0.21%	0.22%	0.10%
SEONI	20.3%	13.0%	27.8%	10.6%	85.8%	0.16%	0.34%	0.13%
BILASPUR	26.3%	15.9%	38.2%	8.3%	88.2%	0.24%	0.81%	0.49%
NARSIMHAPUR	35.4%	15.8%	57.4%	8.0%	88.6%	0.65%	0.52%	0.33%
DATIA	38.3%	15.5%	65.3%	10.3%	78.5%	0.43%	0.71%	0.48%
SATNA	33.5%	18.0%	50.2%	9.2%	89.0%	0.61%	0.57%	0.28%
CHHINDWARA	26.1%	14.9%	44.3%	9.3%	92.0%	0.43%	0.23%	0.10%
RAJGARH	23.5%	11.2%	36.8%	12.2%	89.1%	0.17%	0.58%	0.42%
HOSHANGABAD	37.6%	16.2%	62.0%	8.7%	93.9%	0.50%	0.41%	0.27%
PANNA	28.7%	13.0%	52.0%	9.5%	89.8%	0.34%	0.28%	0.44%
SHIVPURI	31.1%	13.0%	47.7%	10.0%	90.8%	0.36%	0.24%	0.19%
DAMOH	26.6%	12.4%	52.0%	9.1%	91.5%	0.22%	0.83%	0.23%
SHAJAPUR	21.6%	12.0%	42.4%	8.9%	91.4%	0.84%	0.27%	0.31%
DHAR	53.7%	11.8%	32.1%	8.2%	92.6%	0.25%	0.50%	0.21%
BHIND	27.6%	21.0%	92.9%	7.2%	91.4%	0.41%	0.39%	0.13%
EAST NIMAR	33.3%	11.8%	44.5%	6.8%	95.2%	0.31%	0.20%	0.34%
SAGAR	30.2%	15.4%	54.5%	8.9%	96.3%	0.16%	0.40%	0.54%
DEWAS	27.8%	14.0%	48.0%	8.5%	96.1%	0.37%	0.80%	0.28%
TIKAMGARH	36.6%	14.5%	43.2%	11.2%	92.9%	0.67%	0.45%	2.39%
GUNA	36.5%	12.3%	64.4%	9.7%	94.1%	0.37%	1.12%	1.15%
VIDISHA	36.5%	12.9%	64.1%	8.8%	96.2%	0.71%	0.98%	0.18%
BETUL	23.4%	13.3%	34.0%	7.5%	95.6%	0.06%	0.22%	0.11%
MORENA	45.3%	17.7%	78.5%	7.5%	95.2%	0.20%	0.21%	0.35%
REWA	36.8%	22.2%	52.1%	9.6%	96.0%	0.17%	0.57%	0.51%
CHHARATPUR	31.7%	14.8%	51.4%	10.1%	95.8%	0.46%	0.54%	0.64%
SIDHI	27.0%	13.0%	42.4%	10.1%	95.1%	0.53%	0.85%	0.66%
RAISEN	36.2%	13.8%	61.9%	7.7%	97.0%	0.75%	0.49%	0.58%
WEST NIMAR	22.2%	11.6%	33.5%	8.3%	98.7%	0.53%	0.16%	0.09%
SEHORE	28.6%	14.7%	44.0%	9.0%	98.5%	0.13%	0.31%	0.21%
JHABUA	12.0%	7.9%	16.2%	13.3%	101.5%	0.14%	0.17%	0.12%
MADHYA PRADESH	30.0%	14.9%	46.3%	9.1%	89.0%	0.41%	0.47%	0.36%

Source: Census of India 1991, Sanket - MPHRO

## EL 2 Dependency Ratio and Persons without Full Employment

District	Rural	Rural	Rural	Rural	Rural	Rural	Rural	Rural
	% of Marginal Workers (age 15-59) out of Rural Population			% of None Workers (age 15-59) out of Rural Population			Persons- without full Employment	Dependency Ratio : 1991
Bhopal	11.4%	1.2%	23.2%	26.4%	11.0%	44.1%	7.1%	68.7%
Indore	5.5%	0.5%	11.0%	26.8%	12.5%	42.7%	6.2%	63.0%
Durg	2.9%	0.6%	5.1%	16.2%	15.0%	17.5%	12.4%	70.2%
Raigarh	15.7%	1.2%	30.0%	21.9%	10.5%	33.2%	9.0%	68.7%
Jabalpur	8.8%	0.9%	17.2%	27.3%	13.3%	42.3%	10.2%	68.7%
Balaghat	11.7%	0.8%	22.5%	15.5%	12.7%	20.2%	9.4%	73.5%
Gwalior	8.6%	1.0%	18.2%	38.0%	14.1%	68.0%	7.5%	69.0%
Mandla	760.0%	0.6%	14.5%	15.7%	10.6%	20.8%	108.0%	69.9%
Bastar	15.8%	0.9%	30.5%	13.3%	6.8%	19.8%	604.0%	65.1%
Raipur	5.9%	0.7%	11.0%	17.0%	11.7%	233.0%	5.3%	69.9%
Rajnandgaon	4.5%	1.0%	8.0%	10.2%	9.5%	10.8%	13.9%	67.7%
Sarguja	20.3%	0.1%	40.1%	21.1%	8.9%	33.6%	9.4%	74.5%
Shahdol	11.0%	1.0%	21.3%	23.8%	10.5%	37.7%	7.0%	76.6%
Ujjain	8.5%	0.8%	16.8%	22.6%	9.4%	36.9%	8.8%	72.7%
Ratlam	12.9%	1.2%	25.3%	13.5%	6.7%	20.7%	7.4%	69.9%
Mandsaur	8.7%	0.7%	17.1%	17.5%	9.4%	26.1%	10.6%	76.2%
Seoni	13.7%	1.1%	26.6%	16.4%	11.1%	21.8%	8.1%	73.5%
Bilaspur	7.2%	1.0%	13.5%	21.4%	13.7%	29.3%	7.6%	82.2%
Narshimapur	6.4%	1.0%	12.8%	32.0%	13.9%	52.2%	9.9%	78.2%
Datia	10.7%	0.6%	22.1%	33.7%	12.9%	58.5%	9.2%	75.8%
Satna	8.2%	1.1%	15.8%	29.8%	16.6%	43.8%	9.2%	84.1%
Chhindwara	18.8%	1.2%	23.9%	21.2%	10.6%	32.1%	12.7%	75.3%
Rajgarh	12.1%	0.8%	37.4%	18.1%	8.9%	28.0%	7.7%	83.0%
Hosangabad	8.4%	1.2%	17.0%	30.1%	11.5%	50.8%	9.3%	80.3%
Panna	11.2%	0.7%	22.6%	28.6%	11.2%	40.0%	10.2%	81.6%
Shivpuri	14.2%	1.1%	30.6%	24.1%	10.8%	47.5%	8.4%	82.0%
Damoh	9.7%	0.7%	19.4%	27.4%	9.2%	34.1%	9.1%	74.5%
Shajapur	11.8%	0.9%	23.6%	21.5%	10.0%	25.3%	8.1%	85.9%
Dhar	9.7%	60.0%	19.2%	17.5%	19.2%	92.3%	6.7%	78.4%
Bhind	2.0%	30.0%	4.0%	52.6%	7.7%	27.9%	6.4%	79.5%
East Nimar	8.1%	60.0%	16.1%	17.5%	11.2%	46.8%	8.4%	80.1%
Sagar	9.7%	1.0%	19.7%	27.7%	11.5%	35.6%	8.4%	87.4%
Dewas	9.2%	90.0%	18.2%	23.1%	12.5%	35.5%	114.0%	83.8%
Tikamgarh	14.8%	90.0%	30.7%	23.7%	9.4%	59.2%	10.0%	79.7%
Guna	11.3%	80.0%	23.1%	32.8%	9.4%	57.7%	8.1%	81.8%
Vidisha	8.8%	1.0%	17.9%	31.8%	10.4%	21.9%	7.2%	86.1%
Betul	880%	80.0%	16.8%	16.1%	15.6%	74.4%	7.2%	79.8%
Morena	5.40%	30.0%	11.6%	42.4%	20.6%	47.8%	9.3%	83.9%
Rewa	7.2%	1.2%	13.4%	34.1%	12.0%	44.4%	10.1%	78.3%
Chhatarpur	12.7%	80.0%	26.6%	27.0%	12.9%	39.4%	10.2%	80.9%
Sidhi	12.0%	1.3%	23.6%	25.5%	12.0%	57.9%	7.3%	76.8%
Raisen	7.1%	80.0%	14.2%	33.5%	9.2%	24.6%	8.0%	84.2%
West Nimar	11.2%	70.0%	22.1%	16.7%	12.6%	35.3%	9.0%	84.2%
Sehore	11.2%	90.0%	24.4%	23.4%	12.6%	10.2%	9.0%	75.4%
Jhabua	24.2%	1.5%	46.9%	8.2%	6.1%	34.7%	13.5%	73.7%
Madhya Pradesh	10.2%	0.9%	2010.0%	22.8%	11.6%	3470.0%	890.0%	73.7%

Source: Census of India ,Sanket-MPHDRO



**EL 2: Dependency Ratio and Persons Without Full Employment**

District	Urban	Urban	Urban	Urban	Urban	Urban	Urban	Urban	Urban	Urban
	Seeking, Available for Works as Percentage of Population			% of marginal workers (age 15-59) out of total Urban Population			% of non workers (age 15-59) out of total Urban Population			Persons without Full Employment
	Total	Males	Females	Total	Males	Females	Total	Males	Females	
Bhopal	3.52%	3.10%	3.98%	0.6%	0.4%	0.8%	53.1%	25.3%	85.3%	11.9%
Indore	1.15%	1.15%	1.15%	0.5%	0.3%	0.8%	52.1%	22.1%	86.4%	8.3%
Durg	1.99%	2.16%	1.80%	1.0%	0.6%	1.6%	52.4%	26.4%	82.9%	11.3%
Raigarh	2.63%	2.94%	2.29%	2.0%	0.4%	3.8%	51.9%	25.7%	51.3%	11.8%
Jabalpur	1.51%	2.94%	1.15%	1.0%	0.4%	1.8%	54.7%	24.8%	86.2%	10.9%
Balaghat	1.50%	1.82%	1.29%	1.6%	0.4%	2.8%	52.4%	29.4%	78.0%	11.4%
Gwalior	1.82%	1.70%	1.64%	0.5%	0.3%	0.9%	55.8%	27.4%	90.5%	10.8%
Mandla	1.72%	1.81%	1.61%	2.2%	1.5%	3.0%	52.4%	27.1%	79.6%	11.2%
Bastar	1.07%	1.04%	1.10%	2.1%	1.5%	2.5%	50.4%	24.3%	79.3%	9.9%
Raipur	0.73%	0.82%	0.64%	1.1%	0.3%	1.8%	49.3%	24.1%	77.1%	8.7%
Rajnandgaon	2.10%	2.43%	1.76%	1.5%	0.5%	2.6%	47.2%	25.6%	70.0%	10.8%
Sarguja	1.64%	2.04%	1.17%	0.9%	0.4%	1.4%	55.3%	25.6%	91.2%	10.1%
Shadhol	1.79%	2.24%	1.27%	2.0%	0.6%	3.8%	51.7%	23.8%	85.7%	10.3%
Ujjain	0.66%	0.74%	0.57%	0.8%	0.4%	1.2%	53.3%	24.1%	85.7%	8.2%
Ratlam	1.20%	1.32%	1.08%	1.7%	0.6%	2.9%	51.9%	22.7%	83.3%	9.0%
Mandsaur	1.03%	1.11%	0.94%	2.2%	0.6%	3.9%	47.9%	20.9%	77.4%	8.4%
Seoni	1.22%	1.30%	1.15%	1.5%	0.4%	2.7%	55.2%	28.9%	85.0%	10.8%
Bilaspur	0.97%	1.06%	0.86%	1.3%	0.4%	2.3%	51.0%	25.1%	80.2%	9.4%
Narshimapur	1.62%	1.71%	1.59%	0.8%	0.3%	1.5%	53.4%	25.9%	85.3%	10.1%
Datia	3.55%	3.16%	4.00%	2.3%	1.1%	3.8%	53.5%	24.2%	88.1%	11.9%
Satna	0.78%	0.93%	0.62%	2.4%	0.6%	4.5%	47.4%	23.1%	76.2%	9.0%
Chhindwara	0.76%	0.90%	0.61%	1.4%	0.4%	2.4%	53.6%	27.5%	83.5%	9.7%
Rajgarh	2.15%	2.20%	2.08%	1.8%	0.5%	3.3%	49.5%	22.0%	91.2%	9.5%
Hosangabad	2.62%	2.53%	2.72%	0.6%	0.4%	0.8%	55.7%	27.1%	89.5%	11.3%
Panna	1.53%	1.46%	1.67%	2.8%	0.4%	5.5%	48.8%	24.3%	78.7%	10.3%
Shivpuri	0.95%	0.89%	1.01%	1.8%	0.3%	3.6%	52.7%	24.0%	88.1%	9.1%
Damoh	2.58%	3.19%	1.91%	3.5%	0.7%	6.7%	47.0%	25.7%	72.0%	12.1%
Shajapur	0.83%	0.80%	0.86%	2.3%	0.8%	4.0%	48.9%	21.2%	79.8%	8.2%
Dhar	1.62%	1.60%	1.65%	1.3%	0.3%	2.5%	46.6%	21.6%	76.7%	9.1%
Bhind	0.55%	0.74%	0.33%	0.5%	0.2%	1.0%	58.2%	27.5%	95.1%	8.8%
East Nimar	1.23%	1.51%	0.92%	1.1%	0.4%	1.8%	52.0%	21.7%	84.6%	8.1%
Sagar	1.23%	1.41%	1.04%	2.8%	0.4%	5.4%	45.9%	24.3%	72.0%	10.2%
Dewas	1.58%	1.6%	1.55%	1.9%	0.5%	3.5%	48.8%	20.3%	81.4%	8.6%
Tikamgarh	1.79%	2.09%	1.46%	3.0%	0.5%	5.8%	47.6%	23.7%	74.9%	10.1%
Guna	1.10%	1.06%	1.13%	1.2%	0.4%	2.1%	51.8%	23.4%	85.5%	8.4%
Vidisha	3.51%	3.42%	3.60%	1.2%	0.5%	1.9%	53.8%	25.3%	87.4%	11.7%
Betul	1.45%	1.56%	1.32%	0.7%	0.4%	1.1%	53.2%	24.1%	87.2%	8.8%
Morena	1.52%	0.56%	0.48%	1.1%	0.3%	2.0%	56.3%	215.6%	93.7%	8.6%
Rewa	0.95%	0.95%	0.95%	2.1%	0.5%	4.1%	50.6%	29.4%	76.1%	10.9%
Chhatarpur	1.26%	1.28%	1.23%	2.8%	0.6%	5.5%	50.4%	25.7%	79.6%	10.1%
Sidhi	2.33%	2.15%	2.57%	0.3%	0.1%	0.6%	46.9%	17.9%	89.9%	8.5%
Raisen	1.97%	1.78%	2.20%	1.6%	0.8%	2.5%	49.4%	22.7%	82.4%	9.6%
West Nimar	2.02%	2.23%	1.78%	1.2%	0.4%	2.1%	49.7%	23.0%	80.1%	9.5%
Sehore	1.37%	1.57%	1.15%	1.4%	0.6%	2.4%	50.9%	23.6%	83.3%	8.8%
Jhabua	1.76%	1.74%	1.79%	4.9%	1.1%	9.1%	47.6%	23.4%	74.2%	11.3%
Madhya Pradesh	1.57%	1.65%	1.47%	1.3%	0.5%	2.2%	51.9%	24.8%	83.3%	9.9%

Source: Census of India 1991, Sanket - MPHRO

**EI-3 Land Use Classification in Madhya Pradesh, 1992/93**

District	Geographical Area-1992-93	Total Cropped Area-1992-93	Net Area Sown 1992-93	%Of Net Area Sown to Geographical Area-1992-93	Area Sown More Than Once-1992-93	%Of Area Sown More Than Once to Net Area Sown-1992-93	Cropping Intensity-1992-93
Ujjain	609.80	680.60	474.40	77.80	206.20	43.47	143.47
Bhind	445.20	365.00	336.50	75.58	28.50	8.47	108.47
Vidisha	730.20	581.10	523.80	10.73	57.30	10.94	110.94
Shajapur	617.80	560.30	432.60	70.02	127.70	29.52	129.52
Indore	383.10	368.60	259.20	67.66	109.40	42.21	142.21
Rajgarh	611.70	500.10	409.90	67.01	90.20	22.01	122.01
Ratlam	486.50	474.90	319.50	65.67	155.40	48.64	148.64
Datia	203.50	140.70	132.70	65.21	8.00	6.03	106.03
Durg	870.20	760.50	546.90	62.85	213.60	39.06	139.06
Dhar	819.50	649.30	502.10	61.27	147.20	29.32	129.32
Bhopal	270.80	192.80	157.40	58.12	35.40	22.49	122.49
Rewa	268.80	473.90	365.40	58.11	108.50	29.69	129.69
Mandsaur	946.40	825.70	549.40	58.05	276.30	10.74	150.29
Guna	1098.20	695.20	627.80	57.17	67.40	26.48	110.74
Narsimhapur	513.60	370.60	293.00	57.05	77.60	28.08	126.48
Sehore	656.40	473.00	369.30	56.26	103.70	24.29	128.08
Bilaspur	1966.00	1026.30	825.70	54.32	200.60	40.17	124.29
Jhabua	675.70	505.60	360.70	53.38	144.90	21.61	140.17
Dewas	700.30	441.80	363.30	51.88	78.50	8.07	121.61
Gwalior	521.90	290.50	268.80	51.50	21.70	14.91	108.07
Sagar	1022.50	596.50	519.10	50.66	77.40	40.88	114.91
Tikamgarh	504.00	357.40	253.70	50.34	103.70	21.94	140.88
Raisen	848.70	512.50	420.30	49.52	92.20	23.03	121.94
Satna	742.40	439.20	357.00	48.09	82.20	10.45	123.03
West Nimar	1348.50	711.20	643.90	47.75	67.30	48.22	110.45
Hoshangabad	999.30	673.20	454.20	45.45	219.00	22.37	148.22
Jabalpur	1012.50	561.20	458.60	45.29	102.60	21.51	122.37
Rajnandgaon	1109.70	599.90	493.70	44.49	106.20	6.10	121.51
Raigarh	1298.50	577.30	544.10	41.93	33.20	14.34	106.10
Seoni	870.80	416.10	363.90	41.79	52.20	24.91	114.34
Raipur	2257.10	1174.70	940.40	41.66	234.30	19.15	124.91
Chhatarpur	863.00	424.40	356.20	41.27	68.20	18.98	119.15
Setul	1007.80	487.80	410.00	40.68	77.80	13.60	118.98
Chhindwara	1184.90	545.50	480.20	40.53	65.30	17.81	113.60
Shivpuri	1017.30	477.60	405.40	39.85	72.20	9.99	117.81
East Nimar	1118.40	488.80	444.40	39.74	44.40	15.14	109.99
Damoh	728.60	330.80	287.30	39.43	43.50	10.97	115.14
Morena	1168.30	470.50	424.00	36.29	46.50	25.18	110.97
Sidhi	1039.20	443.40	354.20	33.76	89.20	13.39	125.18
Shahdol	1386.00	512.40	451.90	32.60	60.50	12.85	113.39
Panna	702.90	254.70	225.70	32.11	29.00	19.69	112.85
Mandla	1324.50	508.80	425.10	32.10	83.70	27.83	119.69
Balaghat	924.50t	351.80	275.20	29.77	76.60	9.22	127.83
Sarguja	2201.50	632.50	579.10	26.30	53.40	3.11	109.22
Bastar	3906.00	883.10	856.50	21.93	26.60		103.11
Madhya Pradesh	44342.50	23807.80	19657.10	44.33	4265.30	21.70	121.12

Source: Commissioner of Land Records, Madhya Pradesh, Gwalior

**EI-3 Land Use Classification in Madhya Pradesh, 1992/93**

District	Forest-1992-93	Fallow Land-1992-93			Cultivable waste land-1992-93			
		Current	Old	Total	Land that Can be brought under Cultivation Immediately	Land that can be Brought under Cultivation after some Improvement	Uneconomical patches of Land	Total
Ujjain	3.30	1.90	2.10	4.00	6.50	3.90	1.60	12.00
Bhind	8.60	2.90	5.10	8.00	8.40	0.80	1.60	10.80
Vidisha	104.50	2.60	3.40	6.00	6.90	3.20	2.60	12.70
Shajapur	6.60	1.60	2.70	4.30	6.60	7.00	6.60	20.20
Indore	52.20	1.50	3.50	5.00	4.00	0.20		4.20
Rajgarh	14.50	1.90	4.20	6.10	21.0	6.10	1.10	28.20
Ratlam	34.40	1.70	2.70	4.40	12.30	7.50	5.70	25.50
Datia	23.30	3.90	3.60	7.50	5.40	-	6.40	11.80
Durg	100.70	18.10	22.30	40.40	11.10	6.50	6.60	24.20
Dhar	134.20	3.70	4.10	7.80	6.00	6.70	7.10	19.80
Bhopal	37.40	1.20	2.80	4.00	1.90	1.60	3.60	7.10
Rewa	67.00	21.20	26.60	47.80	7.20	1.70	1.90	10.80
Mandsaur	106.70	2.60	2.50	5.10	7.10	12.20	2.90	41.20
Guna	151.60	6.60	9.20	15.80	65.00	18.90	5.10	89.00
Narsimhapur	136.30	5.20	7.00	12.20	7.60	7.00	4.60	19.20
Sehore	171.50	1.90	3.20	5.10	8.60	3.70	1.40	13.70
Bilaspur	768.40	24.40	28.90	53.30	14.40	10.30	10.00	34.70
Jhabua	127.90	5.90	4.50	10.40	8.30	6.80	6.50	21.60
Dewas	204.20	1.30	1.70	3.00	3.40		0.10	3.50
Gwalior	109.40	4.20	6.40	10.60	11.30	6.40	5.30	23.00
Sagar	287.30	9.90	14.80	24.70	11.90	2.80	2.10	16.80
Tikamgarh	66.10	12.90	15.40	28.30	5.10	5.80	10.40	21.30
Raisen	333.10	2.10	4.20	6.30	8.80	4.70	4.30	17.80
Satna	134.10	18.30	18.30	36.60	24.80	11.70	9.60	46.10
West Nimar	45.30	4.50	9.80	14.30	9.00	4.10	18.70	31.80
Hoshangabad	359.50	10.40	15.90	26.30	19.80	10.70	8.20	38.70
Jabalpur	154.60	46.00	45.09	91.00	22.80	20.40	20.00	63.20
Rajnandgaon	388.70	28.30	25.20	53.50	12.60	3.70	2.20	18.50
Raigarh	384.70	35.30	29.10	64.40	12.00	2.10	1.40	15.50
Seoni	323.20	36.80	35.50	72.30	13.50	9.40	8.20	31.10
Raipur	905.40	27.20	35.10	62.30	22.40	12.30	10.70	45.40
Chhatarpur	85.70	31.90	46.40	78.30	35.80	33.00	29.60	98.40
Betul	396.10	28.60	30.60	59.20	29.10	8.30	6.50	43.90
Chhindwara	446.40	44.20	33.20	77.40	12.00	5.30	3.80	21.10
Shivpuri	326.80	15.40	22.50	37.90	40.40	23.40	28.70	92.50
East Nimar	511.50	8.30	12.40	20.70	0.60	0.50	0.60	1.70
Damoh	266.30	8.70	11.30	20.00	16.90	5.70	5.60	28.20
Morena	332.70	7.60	9.10	16.70	22.40	17.80	17.00	57.20
Sidhi	445.60	40.10	31.00	71.10	20.10	13.00	17.20	50.30
Shahdol	5489.10	18.10	74.10	148.30	21.00	14.00	27.00	62.00
Panna	298.40	66.50	17.50	35.60	45.20	10.30	6.90	62.40
Mandla	573.40	12.10	63.40	129.90	19.30	7.30	4.40	31.00
Balaghat	496.70	63.00	16.50	28.60	10.60	7.90	9.70	28.20
Sarguja	1113.00	51.50	43.00	106.00				0.00
Bastar	2412.40	816.20	45.30	96.80	87.80	50.90	33.90	172.60
Madhya Pradesh	14405.10		851.10	1667.30	746.90	395.60	386.40	1528.90

Source: Commissioner of Land Records, Madhya Pradesh, Gwalior

**EI-3 Land Use Classification in Madhya Pradesh, 1992/93**

District	Land not Available for Cultivation-1992-93			Other Uncultivated Land, excluding Fallow Land-1992-93		
	Land Put To Agricultural Uses	Barren and Uncultivated Land	Total	Permanent Pasture and Other Grazing Land	Land Under Misc. Trees Crops and Groves	Total
Ujjain	40.80	3.50	44.30	71.70	0.10	71.80
Bhind	31.80	25.90	57.70	23.20	0.40	23.60
Vidisha	34.70	11.10	45.80	37.30	0.10	84.40
Shajapur	42.90	46.10	89.00	65.00	0.10	111.90
Indore	28.40	2.90	31.30	31.10	0.10	67.00
Rajgarh	39.40	30.30	69.70	83.20	0.10	83.30
Ratlam	26.50	43.40	69.90	32.70	0.10	32.80
Datia	19.20	3.10	22.30	5.80	0.10	5.90
Durg	87.70	6.90	94.60	63.40	0.10	63.50
Dhar	45.40	53.70	99.10	56.40	0.10	56.50
Bhopal	27.00	3.60	30.60	33.50	0.80	62.90
Rewa	56.70	41.40	98.10	38.00	1.70	39.70
Mandsaur	92.40	96.20	188.60	55.30	0.10	141.40
Guna	58.20	98.80	157.00	57.00		57.00
Narsimhapur	22.70	1.00	23.70	29.00	0.20	29.20
Sehore	31.60	10.10	41.70	55.10		55.10
Bilaspur	108.40	46.20	154.60	129.20		129.20
Jhabua	53.20	61.00	114.20	40.90		40.90
Dewas	32.00	15.20	47.20	79.10		79.10
Gwalior	34.80	53.90	88.70	21.30	0.10	21.40
Sagar	50.70	17.70	68.40	105.10	1.10	106.20
Tikamgarh	39.00	47.80	86.80	47.70	0.10	47.80
Raisen	38.10	3.50	41.60	29.20	0.10	29.30
Satna	59.50	83.90	143.40	21.40	3.80	25.20
West Nimar	52.00	70.20	122.20	85.00		97.40
Hoshangabad	31.61	34.20	65.80	51.80	3.00	110.10
Jabalpur	62.20	84.40	146.60	98.10	0.40	98.50
Rajnandgaon	57.20	25.40	82.60	72.60	0.10	208.40
Raigarh	70.00	118.10	188.10	101.70	0.10	101.80
Seoni	45.20	5.30	50.50	29.80		29.80
Raipur	136.90	21.70	158.60	143.80	1.10	144.90
Chhatarpur	46.60	103.90	150.50	93.60	0.30	64.90
Betul	46.20	25.60	71.80	26.80		26.80
Chhindwara	52.80	50.00	102.80	57.00		57.00
Shivpuri	59.70	40.20	99.90	53.30	1.50	45.00
East Nimar	56.70	13.80	70.50	69.30	0.30	69.60
Damoh	26.90	60.80	87.70	38.00	1.10	135.40
Morena	66.10	205.30	271.40	66.30		953.40
Sidhi	62.30	55.70	118.00			118.00
Shahdol	92.80	40.10	132.90	40.80	1.00	41.80
Panna	40.20	23.50	63.70	16.70	0.40	17.10
Mandla	69.80	57.20	127.00	38.10	0.00	86.80
Balaghat	46.70	1.20	47.90	45.70	0.20	200.30
Sarguja	111.30	20.60	131.90	217.10	54.40	279.80
Bastar	89.60	127.50	217.10	150.60		150.60
Madhya Pradesh	2423.90	1991.90	4415.80	2709.70	73.20	2782.90

Source: Commissioner of Land Records, Madhya Pradesh, Gwalior

### EL-4 Land Use and Cover in Madhya Pradesh-NRSA Imagery

District	Built-up	Kharif	Rabi	Double Cropped Area	Net Sown Area	Fallow	Total Agriculture Area	Deciduous Forest	Degraded Forest	Forest Blank	Forest Plantations	Total Forest Area
Ujjain	4.3%	55.9%	30.3%	15.9%	70.3%	3.10%	73.4%	0.0%	1.3%	0.00%	0.00%	1.3%
Rewa	7.1%	55.2%	52.0%	40.6%	66.7%	0.55%	67.2%	12.5%	1.2%	0.00%	0.00%	13.7%
Vidisha	3.6%	7.7%	65.9%	7.5%	66.0%	0.00%	66.0%	7.9%	4.0%	0.08%	0.03%	12.0%
Bhind	7.8%	49.1%	62.7%	47.7%	64.1%	0.00%	64.1%	0.5%	0.0%	0.00%	0.04%	0.5%
Raisen	5.8%	36.8%	44.1%	17.7%	63.2%	0.00%	63.2%	17.1%	4.7%	0.01%	0.00%	21.9%
Guna	7.2%	21.7%	48.1%	8.3%	61.5%	0.33%	61.8%	1.8%	11.9%	0.00%	0.00%	13.7%
Datia	7.0%	27.4%	59.4%	27.0%	59.8%	1.20%	61.0%	1.1%	4.4%	5.20%	0.00%	5.5%
Durg	4.2%	53.9%	29.8%	24.4%	59.3%	1.36%	60.7%	16.1%	0.3%	0.91%	0.00%	16.4%
Ratlam	3.2%	45.0%	23.2%	16.8%	51.5%	6.05%	57.5%	1.0%	5.2%	0.00%	0.00%	7.7%
Dhar	3.1%	50.6%	12.5%	10.1%	53.0%	4.25%	57.2%	5.0%	7.3%	0.00%	0.00%	14.2%
Chhattarpur	5.6%	45.3%	33.4%	21.9%	56.8%	0.33%	57.1%	14.8%	3.4%	0.00%	0.00%	18.3%
Bhopal	5.7%	38.8%	52.3%	36.3%	54.8%	0.75%	55.5%	4.0%	9.3%	0.00%	0.14%	13.4%
Satna	3.1%	42.7%	48.6%	36.1%	55.2%	0.123%	55.3%	20.2%	6.0%	0.00%	0.00%	26.2%
Jabalpur	4.2%	39.4%	31.4%	16.8%	54.0%	0.11%	54.1%	22.2%	0.8%	0.44%	0.00%	23.0%
Narsimhapur	6.2%	36.3%	44.6%	26.8%	54.0%	0.00%	54.0%	23.2%	3.1%	0.00%	0.09%	26.4%
Tikamgarh	3.1%	42.8%	53.6%	42.5%	53.9%	0.11%	54.0%	3.3%	7.9%	0.00%	0.00%	11.2%
Betul	3.1%	46.3%	21.5%	15.0%	52.9%	0.00%	52.9%	31.5%	3.6%	0.00%	0.08%	35.2%
Bilaspur	3.0%	49.9%	14.7%	14.1%	50.5%	1.53%	52.1%	30.9%	0.8%	0.00%	0.74%	32.5%
Raipur	3.1%	50.0%	27.5%	26.8%	50.7%	1.07%	51.7%	28.5%	0.5%	0.00%	0.00%	29.0%
Indore	4.9%	9.1%	8.6%	0.6%	17.0%	32.42%	49.5%	0.3%	11.8%	0.00%	0.0%	18.4%
Shivpuri	4.6%	34.7%	32.9%	18.5%	49.1%	0.00%	49.5%	18.8%	7.5%	0.00%	0.00%	16.3%
Gwalior	3.5%	35.6%	41.7%	29.0%	48.3%	0.00%	49.1%	14.8%	8.7%	0.00%	0.00%	23.5%
Chhindwara	2.6%	43.3%	11.7%	8.3%	46.8%	0.00%	48.3%	34.0%	5.0%	0.00%	0.05%	39.1%
Jhabua	2.6%	45.0%	5.6%	5.0%	45.4%	2.57%	48.2%	11.9%	12.2%	0.00%	0.00%	24.8%
Raigarh	2.7%	47.2%	0.6%	0.6%	47.2%	0.00%	47.9%	36.2%	0.8%	0.00%	0.01%	37.0%
Mandla	2.5%	42.0%	9.6%	4.6%	47.0%	0.00%	47.2%	35.2%	3.2%	0.06%	0.12%	38.5%
Hoshangabad	3.0%	41.8%	35.6%	30.8%	46.6%	0.10%	47.0%	34.2%	0.7%	2.46%	0.00%	34.9%
Sehore	2.6%	36.9%	37.7%	29.0%	45.5%	0.45%	46.8%	21.5%	6.5%	0.00%	0.00%	28.1%
West Nimar	2.5%	45.1%	3.1%	3.1%	45.2%	0.70%	46.0%	17.0%	16.6%	4.67%	0.00%	38.3%
Sagar	2.8%	18.9%	44.0%	18.3%	44.6%	0.00%	45.9%	27.0%	5.0%	0.00%	0.00%	31.9%
Rajnandgaon	2.6%	33.0%	27.1%	16.8%	43.2%	1.38%	44.6%	35.1%	3.2%	0.69%	0.00%	38.3%
Shahdol	2.4%	36.0%	14.9%	7.8%	43.0%	0.02%	44.6%	40.5%	1.5%	0.00%	0.11%	42.1%
Sidhi	4.5%	40.9%	10.4%	9.8%	41.5%	0.03%	43.1%	32.3%	7.6%	0.00%	3.43%	43.3%
Seoni	2.3%	30.0%	14.3%	6.4%	38.0%	2.93%	41.6%	33.3%	2.7%	0.00%	0.00%	36.1%
Damoh	2.3%	21.0%	35.6%	16.2%	40.3%	0.37%	40.9%	36.6%	4.5%	0.00%	0.07%	41.2%
East Nimar	2.2%	35.7%	3.5%	3.2%	36.0%	3.54%	40.7%	34.5%	9.5%	0.00%	0.00%	44.7%
Morena	2.2%	34.4%	18.8%	14.0%	39.2%	0.97%	40.7%	29.3%	3.7%	0.00%	0.00%	33.0%
Balaghat	2.3%	39.6%	19.8%	19.8%	39.6%	0.00%	40.1%	52.7%	0.8%	0.00%	0.00%	53.5%
Sarguja	2.0%	34.6%	5.9%	2.9%	37.5%	0.00%	39.6%	40.7%	7.8%	0.00%	0.00%	48.5%
Panna	1.9%	25.8%	21.3%	14.1%	32.9%	0.00%	37.5%	42.1%	13.1%	0.00%	0.05%	55.3%
Bastar	1.7%	31.2%	0.1%	0.0%	31.3%	0.00%	32.9%	54.6%	1.6%	0.00%	0.00%	56.2%
Mandsaur	3.9%	6.1%	9.1%	1.0%	14.2%	15.26%	31.3%	9.2%	8.5%	0.00%	0.00%	17.8%
Dewas	4.5%	13.6%	2.6%	1.4%	14.8%	12.03%	29.4%	18.6%	11.4%	2.18%	0.00%	31.5%
Shajapur	14.3%	14.2%	9.1%	6.3%	17.0%	1.49%	26.8%	0.0%	0.0%	0.00%	0.00%	0.0%
Rajgarh	15.3%	13.1%	8.6%	6.8%	14.9%	1.25%	18.5%	2.1%	0.5%	0.00%	0.00%	32.1%
Madhya Pradesh	3.6%	36.5%	21.3%	13.2%	44.6%	1.50%	16.1%	27.0%	4.7%	0.30%	0.13%	18.3%
India	4.2%	36.7%	23.2%	16.2%	46.1%	4.19%	46.1%	9.7%	5.0%	0.55%	0.34%	18.3%

The percentages are out of total geographical area

Source: NRSA, 1995, Report on Area Statistics of Land Use/Land Cover Generated Using Remote Sensing Techniques

**EI-4 Land Use and Land Cover Data – Wastelands and Water Bodies – 1988/89**

District	Salt Affected Area	Gullied/Ravenous Area	Land With or Without Scrubs	Sandy Area	Barren/Stony Sheet Rock Area	Total Wasteland Area	
						Area (Ha)	Of Total Area
Balaghat	0.00%	0.00%	3.25%	0.00%	0.00%	30000	3.3%
Sidhi	0.00%	0.67%	5.96%	0.00%	0.65%	76636	7.3%
Betul	0.00%	0.00%	8.07%	0.00%	0.00%	81050	8.1%
Panna	0.00%	0.00%	8.23%	0.00%	0.00%	58709	8.2%
Chhindwara	0.00%	0.04%	8.85%	0.00%	0.00%	105015	8.9%
Hoshangabad	0.00%	0.00%	9.11%	0.00%	0.22%	93644	9.3%
West Nimar	0.00%	0.09%	7.89%	0.01%	1.51%	127845	9.5%
Bastar	0.00%	0.00%	9.69%	0.00%	0.03%	380248	9.7%
Mandla	0.00%	0.00%	10.77%	0.00%	0.00%	142946	10.8%
East Nimar	0.00%	0.42%	9.68%	0.00%	0.68%	116145	10.8%
Rewa	0.00%	0.69%	7.17%	0.00%	2.97%	68433	10.8%
Shahdol	0.00%	0.00%	10.76%	0.00%	0.18%	153498	10.9%
Bilaspur	0.00%	0.08%	10.73%	0.00%	0.30%	221046	11.1%
Sarguja	0.00%	0.00%	10.75%	0.00%	0.77%	257225	11.5%
Raigarh	0.00%	0.02%	8.48%	0.00%	3.74%	158240	12.2%
Rajnandgaon	0.00%	4.01%	8.29%	0.00%	0.00%	63118	12.3%
Vidisha	0.00%	1.17%	10.90%	0.00%	0.54%	96906	13.1%
Raipur	0.00%	0.00%	12.39%	0.16%	0.91%	286063	13.5%
Rajnandgaon	0.00%	0.00%	13.20%	0.00%	0.36%	150852	13.6%
Damoh	0.00%	0.00%	13.54%	0.00%	0.90%	105503	14.4%
Satna	0.00%	0.09%	12.86%	0.00%	2.29%	114361	15.2%
Dhar	0.00%	1.46%	13.42%	0.00%	1.01%	129641	15.9%
Chattarpur	0.00%	0.18%	15.83%	0.00%	0.58%	144115	16.6%
Durg	0.00%	0.00%	16.55%	0.00%	0.21%	14099	16.8%
Guna	0.00%	56.08%	10.01%	0.00%	0.68%	185613	16.8%
Jabalpur	0.00%	0.00%	17.00%	0.00%	0.16%	174302	17.2%
Shivpuri	0.00%	0.00%	14.92%	0.00%	2.25%	176490	17.2%
Jhabua	0.00%	0.19%	16.42%	0.00%	1.14%	120341	17.7%
Indore	0.00%	0.00%	17.20%	0.00%	1.36%	72368	18.6%
Ujjain	0.00%	7.72%	11.27%	0.00%	0.06%	115985	19.0%
Sagar	0.00%	0.00%	19.81%	0.00%	0.25%	20.5599	20.1%
Seonio	0.00%	0.00%	20.17%	0.00%	0.00%	176688	20.2%
Dewas	0.00%	0.00%	19.13%	0.00%	1.55%	145200	20.7%
Sehore	0.00%	9.90%	20.61%	0.00%	0.18%	136719	20.8%
Datia	0.00%	4.43%	11.06%	0.00%	0.72%	44167	21.7%
Ratlam	0.00%	14.96%	16.85%	0.00%	0.71%	106920	22.0%
Raisen	0.00%	0.00%	3.4%	0.00%	3.90%	188679	22.3%
Bhopal	0.00%	8.93%	22.51%	0.00%	0.20%	62962	22.7%
Morena	0.32%	3.70%	4.36%	0.00%	10.01%	270153	23.3%
Gwalior	0.00%	5.66%	9.36%	0.00%	10.63%	123500	23.7%
Mandsaur	0.00%	23.93%	20.57%	0.00%	0.43%	261050	26.7%
Bhind	0.32%	0.00%	2.45%	0.00%	0.06%	119296	26.8%
Tikamgarh	0.00%	0.00%	25.91%	0.00%	1.75%	139633	27.7%
Rajgarh	0.00%	21.85%	18.89%	0.00%	24.71%	26862	43.6%
Shajapur	0.00%	21.85%	20.77%	0.00%	21.58%	397767	64.2%
Madhya Pradesh	0.00%	1.75%	11.85%	0.01%	1.73%	6800900	15.3%
India	0.60%	0.61%	8.07%	1.70%	19.02%	98609923	30.0%

Source: NRSA, 1995, Report on Area Statistics of Land Use/Land Cover Generated Using Remote Sensing Techniques

EL 5 - Land Use and Land Cover Date - Wastelands and Water Bodies : 1998/89

District	Area Under Rivers/Streams	Area Under Lake/Reservoir/Canal	Area Under Total Water Bodies	Ares Under Grass/Grazing Lands	Mining Area	Unclassified Area	Total Geographic Area(Ha)
Balaghat	0.49%	0.37%	0.86%	0.49%	0.07%	0.00%	922900
Sidhi	2.12%	0.81%	2.93%	0.00%	0.46%	0.00%	1052600
Betul	0.46%	0.28%	0.74%	0.00%	0.00%	0.00%	1004300
Panna	1.41%	0.27%	1.68%	0.00%	0.00%	0.00%	713500
Chhindwara	0.70%	0.32%	1.03%	0.00%	0.19%	0.00%	1181500
Hoshangabad	3.86%	2.02%	5.88%	0.00%	0.00%	0.00%	1003700
West Nimar	0.55%	0.00%	0.55%	1.89%	0.00%	1.37%	1345000
Bastar	1.12%	0.04%	1.16%	0.00%	0.01%	0.00%	3911400
Mandla	0.78%	0.31%	1.09%	0.00%	0.05%	0.00%	1326900
East Nimar	0.20%	0.00%	0.20%	0.00%	0.00%	1.38%	1077900
Rewa	0.68%	0.48%	1.16%	0.00%	0.00%	0.00%	631400
Shahdol	1.29%	0.11%	1.40%	0.00%	0.06%	0.00%	1402800
Bilaspur	0.87%	0.38%	1.25%	0.00%	0.08%	0.00%	1989700
Sarguja	0.22%	0.00%	0.22%	0.00%	0.19%	0.00%	2233700
Raigarh	0.70%	0.11%	0.81%	0.0%	0.00%	0.00%	123400
Rajnandgaon	1.04%	0.00%	1.04%	0.00%	0.00%	0.00%	513300
Vidisha	4.99%	0.28%	5.26%	0.00%	0.00%	0.00%	737100
Raipur	2.02%	0.75%	2.77%	0.00%	0.02%	0.00%	2125800
Rajnandgaon	0.19%	0.82%	1.00%	0.00%	0.00%	0.00%	1112700
Damoh	0.96%	0.37%	1.33%	0.00%	0.00%	0.00%	730600
Satna	0.08%	0.07%	0.16%	0.00%	0.15%	0.00%	750200
Dhar	0.79%	0.00%	0.79%	6.85%	0.00%	192%	815300
Chattarpur	1.93%	0.49%	2.41%	0.00%	0.00%	0.00%	868700
Durg	0.90%	0.95%	1.85%	0.00%	0.16%	0.00%	853700
Guna	0.39%	0.18%	0.57%	0.00%	0.00%	0.00%	1106500
Jabalpur	0.70%	0.71%	1.40%	0.17%	0.02%	0.00%	101600
Shivpuri	1.47%	1.41%	2.88%	0.00%	0.00%	0.00%	1027800
Jhabua	0.33%	0.00%	0.33%	5.25%	0.00%	1.39%	678200
Indore	0.23%	0.00%	0.23%	0.0%	0.00%	8.44%	389900
Ujjain	0.96%	0.00%	0.96%	0.00%	0.00%	1.00%	609100
Sagar	0.32%	0.26%	0.58%	0.00%	0.00%	0.00%	1025200
Seonio	0.12%	0.47%	0.59%	0.00%	0.00%	0.00%	875800
Dewas	0.11%	0.00%	0.11%	0.00%	0.00%	16.44%	702000
Sehore	1.71%	0.85%	2.56%	0.0%	0.00%	0.00%	657800
Datia	2.82%	1.93%	4.75%	0.00%	0.00%	0.00%	203800
Ratlam	0.30%	0.00%	0.30%	7.28%	0.00%	2.00%	486100
Raisen	0.31%	0.86%	1.17%	0.00%	0.00%	0.00%	846600
Bhopal	0.52%	2.16%	2.68%	0.00%	0.00%	0.00%	277200
Morena	1.23%	0.16%	1.39%	0.00%	0.0%	0.00%	1159400
Gwalior	0.23%	0.81%	1.04%	0.00%	0.00%	0.00%	521400
Mandsaur	2.26%	0.00%	2.36%	0.00%	0.00%	19.84%	979100
Bhind	0.56%	0.21%	0.77%	0.00%	0.00%	0.07%	445900
Tikamgarh	3.07%	0.97%	4.03%	0.00%	0.00%	0.00%	504800
Rajgarh	0.05%	0.00%	0.05%	0.00%	0.00%	1.81%	615400
Shajapur	0.08%	0.00%	0.08%	0.00%	0.00%	2.95%	619600
Madhya Pradesh	1.02%	0.38%	1.40%	0.36%	0.04%	1.01%	44344600
India	2.56%	0.67%	3.23%	0.00%	0.00%	2.95%	328726300

Source: NRSA, 1995, Report on Area Statistics of Land Use/Land Cover Generated Using Remote Sensing Techniques

**EL 6 - Land Ownership by Social Categories, Gini Coefficient of Operational Holdings -  
1992/93, and Tenancy Status**

District	Ownership of Operational Holdings							Ginie Coefficient of Land Holdings	Average of Area per Holdings
	Share of Others		Share of SC		Share of ST				
BALAGHAT	73.5%	68.2%	5.5%	4.1%	19.6%	27.7%	0.720	1.452%	
REWA	89.8%	95.7%	8.5%	1.8%	4.6%	2.5%	0.633	2.377%	
SIDHI	58.6%	67.3%	20.0%	4.2%	32.0%	28.6%	0.611	4.124%	
BILASPUR	43.96%	58.2%	5.5%	15.5%	21.4%	26.3%	0.600	1.421%	
SHAHNOL	73.1%	43.7%	15.0%	3.2%	50.9%	53.1%	0.590	2.401%	
DAMOH	78.2%	81.3%	10.9%	9.0%	11.8%	9.7%	0.585	2.809%	
SATNA	70.9%	58.9%	14.0%	6.5%	10.9%	7.6%	0.584	1.991%	
DURG	65.0%	76.0%	16.52%	9.8%	15.1%	14.2%	0.581	2.013%	
RAIPUR	26.0%	67.1%	5.4%	11.7%	18.5%	21.2%	0.576	1.798%	
BASTAR	70.9%	17.4%	9.0%	3.2%	68.6%	79.4%	0.572	3.288%	
JABALPUR	75.2%	72.1%	16.8%	6.1%	20.2%	21.8%	0.567	1.949%	
SAGAR	51.3%	85.0%	10.4%	9.5%	8.0%	5.4%	0.566	2.908%	
SEONI	40.0%	51.2%	9.6%	9.4%	38.3%	39.4%	0.562	3.047%	
RAIGARH	31.3%	38.1%	5.4%	4.8%	50.4%	57.1%	0.561	2.485%	
MANDLA	78.2%	23.5%	17.8%	8.9%	63.3%	72.8%	0.557	2.666%	
VIDISHA	62.6%	89.4%	9.9%	7.6%	4.0%	1.7%	0.555	5.034%	
RAJNANDGAON	53.8%	61.5%	9.4%	6.9%	27.5%	30.9%	0.555	2.448%	
BETUL	76.5%	54.2%	19.9%	15.0%	36.9%	39.0%	0.544	3.353%	
GWALIOR	77.0%	82.7%	20.3%	10.2%	3.6%	2.3%	0.542	2.731%	
SHAJAPUR	77.2%	88.2%	9.9%	5.7%	2.7%	1.6%	0.542	3.402%	
HOSHANGABAD	70.1%	84.7%	17.5%	12.0%	12.9%	9.63%	0.541	4.039%	
GUNA	82.0%	79.9%	11.8%	5.4%	12.4%	8.2%	0.540	3.391%	
INDORE	39.2%	91.3%	4.0%	2.5%	6.2%	3.3%	0.537	3.653%	
SARGUJA	81.4%	36.0%	15.2%	8.5%	56.8%	61.5%	0.536	2.231%	
RAJGARH	72.2%	89.0%	24.7%	13.4%	3.4%	2.5%	0.536	3.161%	
UJJAIN	71.2%	84.6%	16.1%	7.4%	3.1%	2.0%	0.535	4.315%	
DEWAS	76.9%	83.3%	11.6%	6.8%	12.7%	9.3%	0.527	4.561%	
RAISEN	71.5%	84.6%	16.9%	141.4%	11.4%	8.6%	0.524	4.064%	
PANNA	75.5%	79.4%	17.2%	10.6%	11.6%	9.1%	0.523	2.424%	
SEHORE	53.0%	83.8%	9.8%	7.8%	7.3%	5.6%	0.518	4.118%	
CHHINDWARA	75.4%	49.5%	23.8%	16.8%	37.1%	42.7%	0.517	2.984%	
DATIA	81.5%	82.8%	16.7%	10.7%	0.8%	0.3%	0.517	2.790%	
BHOPAL	83.2%	88.2%	16.8%	11.5%	1.8%	1.1%	0.514	3.843%	
BHIND	54.0%	88.5%	14.0%	8.6%	0.0%	0.0%	0.512	2.551%	
RATLAM	75.6%	67.6%	20.7%	14.3%	32.0%	23.8%	0.511	2.993%	
CHHATARPUR	39.2%	82.7%	5.0%	2.7%	3.7%	3.0%	0.507	2.583%	
DHAR	80.4%	53.5%	9.6%	6.1%	55.9%	44.0%	0.506	3.746%	
NARSINGHPUR	78.0%	81.8%	14.6%	9.5%	10.0%	12.1%	0.501	2.687%	
MANDSAUR	78.1%	85.2%	16.0%	12.1%	7.4%	5.3%	0.493	2.797%	
MORENA	71.3%	82.1%	18.2%	13.8%	5.8%	5.8%	0.487	1.903%	
SHIVPURI	66.7%	79.0%	9.0%	6.5%	10.5%	7.3%	0.484	2.960%	
EAST NIMAR	76.7%	69.7%	19.9%	17.0%	24.3%	23.8%	0.473	3.780%	
TIKAMGARH	51.5%	79.9%	5.3%	3.3%	3.4%	3.1%	0.471	1.886%	
JHABUA	6.5%	56.1%	1.9%	1.2%	91.43%	40.6%	0.460	3.701%	
MADHYA PRADESH	62.7%	6.8%	12.6%	8.1%	24.7%	92.0%	0.567	2.596%	

Source: Directorate of Agriculture, Agriculture Statistics, 1990-91 and 1993-94 , Commissioner of Land Records GoMP, Sanket - MPHDRO



**EL 6 - Land ownership by Social Categories, Gini Coefficient of Operational Holdings - 1992/93, and Tenancy Status**

District	Tenancy Status of Operational Holdings					
	Wholly Owned & Self Operated Holdings		Wholly Leased in Holdings		Wholly Otherwise Operated Holdings	
	Number	Area	Number	Area	Number	Area
BALAGHAT	98.2%	98.0%	0.0%	0.0%	0.2%	0.1%
REWA	98.8%	97.9%	0.1%	0.0%	0.4%	0.1%
SIDHI	77.2%	79.2%	0.2%	0.1%	10.9%	5.4%
BILASPUR	98.3%	97.4%	0.0%	0.5%	0.3%	0.2%
SHAHNOL	82.8%	87.2%	0.0%	0.0%	2.5%	1.7%
DAMOH	97.9%	97.8%	0.4%	0.0%	4.9%	0.2%
SATNA	97.2%	97.5%	0.3%	0.0%	0.6%	0.7%
DURG	99.0%	98.0%	0.1%	0.4%	1.6%	0.0%
RAIPUR	92.7%	89.9%	0.1%	0.5%	0.0%	0.4%
BASTAR	88.4%	86.9%	0.0%	0.0%	1.2%	3.8%
JABALPUR	99.3%	99.2%	0.1%	0.1%	6.2%	0.3%
SAGAR	97.6%	95.8%	0.5%	0.0%	0.4%	0.2%
SEONI	95.6%	95.4%	0.0%	0.1%	0.6%	0.2%
RAIGARH	86.5%	79.6%	79.4%	0.47%	0.7%	0.4%
MANDLA	91.1%	90.9%	0.0%	0.0%	1.4%	0.6%
VIDISHA	1.7%	0.9%	71.1%	63.1%	3.6%	31.2%
RAJNANDGAON	96.1%	94.1%	0.1%	0.0%	18.6%	0.3%
BETUL	1.0%	0.4%	0.4%	47.0%	0.8%	33.3%
GWALIOR	90.9%	88.7%	0.3%	0.1%	27.9%	0.4%
SHAJAPUR	91.5%	87.9%	0.1%	0.3%	1.6%	0.2%
HOSHANGABAD	98.7%	98.4%	0.2%	0.3%	0.8%	0.2%
GUNA	82.3%	75.8%	0.0%	0.0%	0.4%	1.1%
INDORE	97.7%	98.2%	52.1%	0.1%	2.6%	0.0%
SARGUJA	87.0%	82.7%	0.3%	0.0%	0.0%	0.4%
RAJGARH	1.7%	0.6%	0.3%	25.8%	0.6%	60.1%
UJJAIN	95.9%	94.5%	69.4%	0.1%	46.3%	0.2%
DEWAS	92.4%	3.9%	0.0%	0.2%	0.4%	0.6%
RAISEN	5.8%	93.2%	54.9%	55.3%	2.4%	36.4%
PANNA	95.8%	1.8%	0.4%	0.0%	24.1%	0.9%
SEHORE	2.7%	96.0%	0.4%	34.1%	2.1%	54.4%
CHHINDWARA	96.1%	92.2%	0.0%	0.3%	42.4%	0.5%
DATIA	93.8%	7.2%	53.2%	0.0%	1.2%	0.3%
BHOPAL	9.0%	84.3%	0.0%	39.7%	37.9%	44.0%
BHIND	89.2%	87.2%	0.3%	0.0%	0.8%	0.2%
RATLAM	87.9%	95.1%	0.0%	0.2%	2.3%	0.5%
CHHATARPUR	95.0%	90.5%	0.2%	0.0%	2.3%	1.2%
DHAR	90.8%	98.5%	0.0%	0.2%	2.2%	0.7%
NARSINGHPUR	98.8%	77.7%	0.3%	0.0%	2.8%	1.2%
MANDSAUR	82.8%	87.8%	0.0%	0.2%	3.1%	1.0%
MORENA	90.0%	80.9%	0.1%	0.1%	1.8%	1.5%
SHIVPURI	85.9%	94.8%	0.6%	0.0%	3.1%	0.6%
EAST NIMAR	94.4%	94.8%	0.0%	0.8%	2.9%	1.1%
TIKAMGARH	93.8%	97.7%	0.1%	0.0%	1.2%	1.5%
JHABUA	97.7%	77.1%	0.3%	0.1%	6.3%	0.8%
MADHYA PRADESH	77.2%	90.6%	0.2%	0.1%	1.9%	2.0%

Source: Directorate of Agriculture, Agriculture Statistics, 1990-91 and 1993-94, Commissioner of Land Records GoMP, Sanket - MPHDRO

**EL 6 - Land ownership by Social Categories, Gini Coefficient of Operational Holdings - 1992/93, and Tenancy Status**

District	Tenancy Status of Operational Holdings				
	Partly Owned, Partly Leased in & Partly Otherwise Holdings				
	Number	Owned Area	Leased in Area	Otherwise Operated Area	Total Area
BALAGHAT	1.5%	1.7%	0.1%	0.1%	1.9%
REWA	0.8%	1.7%	0.0%	0.2%	2.0%
SIDHI	11.8%	12.0%	0.0%	3.3%	15.3%
BILASPUR	1.2%	1.6%	0.1%	0.2%	1.9%
SHAHDOL	12.4%	9.3%	0.0%	1.4%	11.1%
DAMOH	1.5%	1.8%	0.0%	0.1%	2.0%
SATNA	1.2%	1.4%	0.1%	0.3%	1.8%
DURG	0.5%	1.1%	0.1%	0.1%	1.3%
RAIPUR	5.8%	7.2%	0.2%	1.5%	8.9%
BASTAR	5.4%	7.2%	0.0%	2.1%	9.3%
JABALPUR	0.3%	0.3%	0.0%	0.1%	0.4%
SAGAR	1.7%	3.4%	0.1%	1.5%	3.9%
SEONI	3.6%	3.9%	0.1%	2.1%	4.4%
RAIGARH	11.6%	15.5%	0.3%	0.1%	19.3%
MANDLA	6.3%	7.5%	0.0%	0.5%	8.5%
VIDISHA	50.3%	4.0%	10.9%	0.4%	5.6%
RAJNANDGAON	3.4%	4.6%	0.1%	3.4%	1.5%
BETUL	42.3%	8.6%	13.0%	1.1%	11.0%
GWALIOR	7.5%	9.8%	0.1%	2.6%	11.6%
SHAJAPUR	7.3%	10.2%	0.1%	0.9%	1.1%
HOSHANGABAD	0.6%	0.7%	0.3%	0.4%	23.1%
GUNA	15.0%	0.7%	0.1%	1.0%	1.7%
INDORE	2.1%	14.2%	0.0%	0.2%	16.9%
SARGUJA	12.4%	15.2%	20.6%	4.3%	4.9%
RAJGARH	63.3%	4.3%	0.5%	1.2%	5.1%
UJJAIN	3.5%	6.1%	0.5%	0.7%	7.2%
DEWAS	5.0%	7.5%	16.6%	0.5%	5.2%
RAISEN	51.5%	2.3%	0.0%	0.6%	2.8%
PANNA	2.1%	10.9%	22.6%	1.0%	9.1%
SEHORE	86.0%	2.5%	0.4%	0.3%	3.2%
CHHINDWARA	2.2%	6.5%	0.2%	0.7%	7.5%
DATIA	5.0%	12.2%	22.2%	1.0%	5.3%
BHOPAL	57.6%	14.3%	0.0%	1.2%	15.5%
BHIND	10.0%	10.1%	0.9%	1.1%	12.1%
RATLAM	9.6%	2.6%	0.0%	1.0%	3.6%
CHHATARPUR	3.1%	6.8%	0.8%	1.1%	8.6%
DHAR	6.9%	0.2%	0.0%	0.1%	0.3%
NARSINGHPUR	0.2%	17.8%	0.2%	3.0%	21.1%
MANDSAUR	14.1%	8.9%	0.1%	1.7%	10.7%
MORENA	6.8%	15.9%	0.4%	2.1%	18.5%
SHIVPURI	12.2%	2.3%	0.7%	0.4%	3.4%
EAST NIMAR	2.0%	2.8%	0.0%	1.0%	3.7%
TIKAMGARH	3.3%	1.0%	0.2%	0.2%	1.4%
JHABUA	0.9%	16.1%	0.4%	4.3%	20.8%
MADHYA PRADESH	16.2%	7.0%	0.2%	1.2%	8.4%

Source: Directorate of Agriculture, Agriculture Statistics, 1990-91 and 1993-94 , Commissioner of Land Records GoMP, Sanket - MPHRO

EL 7 - Average Landholding Size in Madhya Pradesh (in hectares)

DISTRICT	Holdings	Holdings	Holdings	Decline 8-91
	1980-81	1985-86	1990-91	
VIDISHA	6.7	5.3	5.0	25.0%
DEWSA	6.0	5	4.6	23.3%
UJJAIN	6.0	4.9	4.3	28.3%
RAISEN	5.8	4.9	4.1	29.1%
SEHORE	6.2	4.8	4.1	33.4%
HOSHANGABAD	5.6	4.6	4.0	25.8%
EAST NIMAR	5.1	4.2	3.8	23.3%
SHAJAPUR	4.8	4.2	3.7	25.4%
DHAR	5.0	4.1	3.7	32.6%
INDORE	5.5	4.3	3.7	24.3%
WEST NIMAR	5.0	4.2	3.7	21.7%
GUNA	4.5	3.5	3.4	25.0%
BETUL	4.3	3.6	3.4	26.6%
BASTAR	4.4	3.8	3.3	22.9%
RAJGARH	4.4	3.5	3.2	22.1%
SHIVPURI	3.9	3.2	3.0	47.2%
RATLAM	3.9	3.2	3.0	21.0%
BHOPAL	5.7	4.5	3.0	24.8%
CHINDWARA	3.8	3.4	3.0	13.9%
SEONI	3.8	3.5	3.0	19.0%
SAGAR	4.0	3.0	2.9	20.3%
DATIA	3.5	3.0	2.8	24.6%
MANDSAUR	3.5	3.1	2.8	25.1%
GWALIOR	3.6	2.9	2.7	26.1%
NARSIMHAPUR	3.6	2.9	2.7	11.6%
MANDLA	3.7	3.1	2.7	22.7%
BHIND	2.9	2.6	2.6	31.1%
CHHATARPUR	3.4	2.9	2.6	18.4%
JHABUA	3.8	3.1	2.6	26.6%
RAIGARH	3.1	2.7	2.5	21.0%
PANNA	3.3	2.8	2.4	30.0%
DAMOH	3.0	2.6	2.4	18.6%
REWA	3.4	2.8	2.4	26.6%
SHAHDOL	3.0	2.7	2.4	22.1%
RAJNANDGAON	3.3	2.8	2.4	22.3%
SIDHI	3.0	2.6	2.3	21.7%
SARGUJA	2.8	2.5	2.2	26.1%
STNA	2.6	2.2	2.0	20.7%
DURG	2.7	2.2	2.0	26.1%
MORENA	2.4	2.1	1.9	20.7%
TIKAMGARH	2.0	1.9	1.9	4.6%
JABALPUR	2.6	2.1	1.9	26.0%
BALAGHAT	1.9	1.6	1.5	22.3%
BILASPUR	1.7	1.6	1.4	19.2%
RAIPUR	2.3	2.0	1.0	57.3%
MADHYA PRADESH	3.4	2.9	2.6	24.0%

Source: Commissioner Land Records, Madhya Pradesh, Gwalior Agricultural Statistics, 1992

**EL –8 Area, Production, Yield and per Capita Availability of Food Grains**

DISTRICT	Area under foodgrains (000.ha)			Production of Foodgrains (000. tonnes)			Yield of Food grains (Kgs.)		
	1971	1992	Mean annual % change	1971	1992	Mean annual % change	1991	1992	Mean annual % changes
SEHORE	378.3	217.4	-2.60%	240.4	278.1	0.70%	635.5	1279.2	3.39%
UJJAIN	328.1	245.9	-1.36%	273.2	348.1	1.16%	832.7	1415.6	2.56%
SHAJAPUR	257.2	263.7	0.12%	209.0	316.3	1.99%	812.6	1199.5	1.87%
RAISEN	330.6	367.8	0.51%	207.7	381.6	2.94%	628.3	1037.5	2.42%
NARSIMHAPUR	257.4	269.0	0.21	176.4	329.0	3.01%	565.9	854.2	1.98%
VIDSHA	425.5	480.0	0.58%	240.8	410.0	2.57%	712.9	1016.8	1.71%
MANDSUR	390.5	428.3	0.44%	278.4	435.5	2.15%	712.9	1016.8	1.71%
HOSHAGABAD	329.0	348.3	0.27%	185.4	505.4	4.89%	563.5	1451.0	4.61%
DEWAS	222.5	185.1	-0.87%	164.9	273.3	2.44%	741.1	1476.5	3.34%
CHHINDWARA	413.9	336.3	-0.98%	219.1	394.6	1.42%	529.4	876.0	2.43%
TIKAMGARH	208.2	245.8	0.79%	157.2	336.7	3.69%	755.0	1369.8	2.88%
MOENA	328.6	192.6	-2.51%	246.2	359.2	1.82%	749.2	1865.0	4.44%
DHAR	366.7	289.4	-1.12%	204.5	226.7	0.49%	557.7	783.3	1.63%
SHIVPURI	290.9	285.2	-0.09%	184.8	332.1	2.83%	635.3	1164.4	2.93%
RAJGARH	259.9	266.4	0.12%	163.0	165.9	0.08%	627.2	622.7	0.03%
RATLAM	211.1	184.6	-0.64%	139.5	210.1	1.97%	660.8	1138.1	2.62%
BHIND	292.7	246.4	-0.82%	234.0	378.4	2.32%	799.5	1535.7	3.16%
GUNA	440.9	497.4	0.58%	251.5	323.4	1.20%	570.4	650.2	0.63%
DATIA	15.5	108.6	-0.29%	65.3	151.9	4.10%	565.4	1398.7	4.41%
SEONI	335.2	256.0	-1.28%	204.4	124.2	-2.34%	609.8	485.2	-1.08%
RAIPUR	1061.8	1111.5	0.22%	999.6	1322.1	1.34%	941.4	1189.5	1.12%
BETUL	374.6	300.7	-1.04%	178.1	189.4	0.29%	475.4	629.9	1.35%
BASTAR	687.2	836.7	0.94%	409.9	726.8	2.76%	596.5	868.7	1.81%
RAJNANDGAON	n/a	538.6	-0.11%	n/a	373.1	1.54%	n/a	692.7	1.65%
PANNA	14.3	217.0	0.78%	100.9	145.7	1.77%	547.5	671.4	0.98%
CHHATARPUR	278.0	307.5	0.48%	189.7	282.2	1.91%	682.4	917.7	1.42%
INDORE	208.2	141.3	-1.83%	171.6	265.5	2.10%	824.2	1879.0	4.00%
SARGUJA	526.7	58.0	-0.44%	319.2	425.1	1.37%	606.0	735.5	0.93%
MANDLA	411.3	417.8	0.07%	221.1	183.3	-0.89%	537.6	438.7	-0.96%
JHABUA	290.2	324.4	0.53%	122.3	168.8	1.55%	421.4	520.3	1.01%
REWA	374.8	406.1	0.38%	224.4	248.9	0.49%	598.7	612.7	0.11%
BALAGHAT	321.6	313.09	-0.12%	283.2	281.2	-0.03%	880.6	895.8	0.08%
SAGAR	416.4	425.1	0.10%	260.9	296.0	0.60%	626.6	696.3	0.50%
DURG	1232.8	707.5	-2.61%	754.6	685.0	-0.46%	612.1	968.2	2.21%
RAIGARH	477.2	515.4	0.37%	321.4	498.3	2.11%	673.5	966.8	1.74%
DAMOH	458.2	267.2	-2.54%	149.8	171.1	0.64%	326.9	640.3	3.25%
GWALIOR	215.8	171.0	-1.10%	162.2	295.0	2.89%	751.6	1725.1	4.04%
SATNA	345.0	381.3	0.48%	192.5	245.9	1.17%	558.0	644.9	0.69%
WEST NIMAR	463.6	423.5	-0.43%	212.8	348.3	2.37%	459.0	822.4	2.82%
SIDHI	344.3	377.3	0.44%	185.0	188.2	0.08%	537.3	498.8	-0.35%
SHAHDOOL	433.7	444.6	0.12%	203.9	202.8	-0.03%	470.1	456.1	-0.14%
EAST NIMAR	262.4	216.5	-0.02%	178.5	191.6	0.34%	680.3	732.7	0.35%
JABALPUR	499.4	47.1	-0.26%	290.4	323.0	0.51%	581.5	682.7	0.77%
BHOPAL	N/A	122.3	-0.78%	N/a	138.8	3.22%	N/a	1134.9	4.04%
BILASPUR	926.4	983.5	0.29%	725.9	1070.3	1.87%	783.6	1088.3	1.58%
MADHYA PRADESH	16865.5	16865.3	0.00%	10910.6	15508.2	1.69%	646.9	919.5	1.69%

Source: Commissioner land Records, Madhya Pradesh, Gwalior, Agricultural statistics 1974,1981 and agriculture Census  
Bhopal and Rajnandgaon were created after 1971, and their rate of change is calculated from 1981.

**EL –8 Area, Production, Yield and per Capita Availability of Food Grains**

DISTRICTS	Production of Foodgrains Per Capita (kg)			Per capita Production of Food Grains – 1992			
	1971	1992	Mean annual % change	Cereals	Oilseeds	Pulses	Total
				(Kgs.)	(Kgs)	Kgs)	(Kgs)
SEHORE	471	331	-1.66%	288.0	216.7	102.6	607.2
UJJAIN	317	252	-1.09%	396.7	207.0	83.7	587.4
SHAJAPUR	308	306	-0.03%	309.0	156.3	82.8	548.2
RAISEN	376	436	0.71%	286.9	103.4	152.7	543.0
NARSIMHAPUR	340	419	1.00%	181.8	72.2	218.1	472.1
VIDSHA	366	423	0.69%	264.0	60.1	145.6	469.7
MANDSUR	290	280	-0.16%	322.7	64.6	75.0	462.4
HOSHAGABAD	230	399	2.67%	234.1	113.1	104.8	452.0
DEWAS	277	264	-0.24%	236.5	145.5	50.3	432.3
CHHINDWARA	221	188	-0.78%	260.1	106.4	60.1	426.6
TIKAMGARH	276	358	1.24%	334.0	36.2	45.8	416.0
MOENA	250	210	-0.83%	205.7	162.1	24.1	391.9
DHAR	243	166	-1.80%	237.5	114.5	37.7	389.8
SHIVPURI	273	293	0.33%	272.6	61.4	52.8	386.9
RAJGARH	253	167	-1.96%	205.5	95.4	76.6	377.4
RATLAM	223	216	-0.15%	208.3	83.5	73.5	365.3
BHIND	295	310	0.24%	249.3	43.7	69.4	362.4
GUNA	321	247	-1.24%	215.3	47.3	97.7	360.3
DATIA	256	383	.94%	233.9	18.2	106.2	358.0
SEONI	306	125	-4.17%	228.8	70.5	43.9	343.2
RAIPUR	382	338	-0.59%	302.3	3.3	18.9	324.5
BETUL	242	160	-1.95%	167.8	118.4	25.8	312.0
BASTAR	270	320	0.81%	289.0	6.6	11.9	307.5
RAJNANDGAON	N/A	259	-0.38%	248.5	7.8	46.0	302.4
PANNA	235	212	-0.49%	219.1	14.1	59.7	292.9
CHHATARPUR	266	244	-0.42%	205.9	15.6	62.8	284.3
INDORE	167	145	-0.68%	148.0	102.9	29.5	280.5
SARGUJA	241	204	-0.79%	250.2	13.1	14.8	278.1
MANDLA	253	142	-2.71%	208.5	37.6	28.0	274.0
JHABUA	183	149	-0.98%	207.0	21.1	44.3	272.5
REWA	229	160	-1.70%	217.4	5.0	43.5	265.9
BALAGHAT	290	206	-1.62%	243.5	7.2	14.6	265.3
SAGAR	246	180	-1.48%	164.5	44.8	51.3	260.7
DURG	514	286	-2.75%	210.0	3.5	47.2	260.7
RAIGARH	251	289	0.67%	233.7	13.6	11.8	259.1
DAMOH	261	190	-1.51%	175.5	17.0	62.7	255.2
GWALIOR	189	209	0.48%	167.6	50.0	33.2	250.9
SATNA	211	168	-1.08%	193.1	7.2	32.3	232.6
WEST NIMAR	166	172	0.17%	190.5	19.9	17.1	227.5
SIDHI	238	137	-2.60%	159.0	9.4	37.0	205.4
SHAHDOOL	198	116	-2.51%	165.3	11.8	14.0	191.1
EAST NIMAR	203	134	-1.96%	142.1	16.1	22.6	180.8
JABALPUR	172	122	-1.63%	116.5	6.9	35.7	159.1
BHOPAL	N/A	103	-0.55%	86.6	26.5	22.3	135.5
BILASPUR	297	282	-0.25%	26.4	3.5	33.4	63.4
MADHYA PRADESH	262	234	-0.54%	225.0	48.1	46.9	320.1

Source: Commissioner Land Records Madhya Pradesh , Gwalior , Agriculture 1974, 1981 and Agriculture Census.

Bhopal an Rajnandgaon were created after 1971 and their rate of change is calculated from 1981.

**EL 9 – Irrigated Area Irrigated Holdings**

DISTRICT	% of net Irrigated Area to net Sown Area	% of Gross Irrigated Area to Gross Area sown	% of net Irrigated Area to gross Area	Gross Irrigated Area
	1992-93	1992-93	1991-93	1992-93
MANDSAUR	36.4	24.5	24.5	202.1
TIKAMGARH	55.6	45.2	45.2	161.6
HOSHANGABAD	63.6	42.9	42.9	288.8
MORENA	57.8	53.0	53.0	249.5
GWALIOR	44.7	47.3	47.3	137.5
DATIA	39.5	38.0	38.0	53.5
INDORE	29.9	21.1	21.1	77.6
UJJAIN	28.2	19.8	19.8	134.5
BHIND	33.1	33.6	33.4	122.1
RAIPUR	45.1	36.3	36.1	425.9
BALAGHAT	43.8	37.6	37.6	132.2
SHIVPURI	32.1	28.0	28.0	133.7
RATLAM	25.3	17.5	7.0	83.2
SHAJAPUR	24.2	19.0	18.9	106.2
CHHATARPUR	34.8	29.4	29.3	124.6
RAJGARH	21.1	17.3	17.3	86.5
BHOPAL	23.6	19.3	19.3	37.2
DURG	36.5	28.1	28.1	214.0
DEWAS	18.5	15.6	15.6	68.8
DHAR	22.5	17.4	17.4	113.1
SEHORE	28.2	22.0	22.0	104.1
BILASPUR	31.6	26.6	26.6	272.9
WEST NIMAR	23.0	27.9	27.8	148.1
NARIMHAPUR	35.8	28.3	28.3	105.0
REWA	18.8	14.5	14.5	68.8
EAST NIMAR	17.1	17.0	17.0	83.1
SIDHI	11.2	9.0	9.0	39.8
RAISEN	25.3	20.8	20.8	106.5
BETUL	17.8	14.9	14.9	72.9
CHHINDWARA	15.3	13.5	13.5	73.5
RAJNANDGAON	14.8	12.8	12.8	77.0
SAGAR	18.7	16.4	16.4	97.9
JHABUA	17.4	13.2	13.2	66.7
GUNA	15.1	13.8	13.8	95.8
DAMOH	16.9	15.9	15.9	52.7
SARGUJA	4.0	3.9	3.9	24.7
SATNA	19.7	16.1	16.0	70.5
SEONI	15.6	13.7	13.6	56.8
JABALPUR	22.5	20.0	20.0	112.3
VIDISHA	16.5	14.9	14.9	86.6
PANNA	13.8	12.2	12.2	31.1
RAIGARH	7.9	7.7	7.7	44.6
SHAHDOL	6.4	5.6	5.6	28.8
BASTAR	3.0	2.9	2.9	25.4
MANDLA	3.5	3.9	3.9	19.8
MADHYA PADESH	24.4	20.9		4918.1

Source: Commissioner of Land Records, Madhya Pradesh , Gwalior Agriculture Table 1992-93

**EL 9 – Irrigated Area Irrigated Holdings**

DISTRICT	Wholly Irrigated Holdings		Wholly Un-irrigated Holdings		Partly Irrigate Holdings			Holdings Receiving Irrigation	
	Number	Area	Number	Area	Number	Total Area	Area	Number	Area
MANDSAUR	5.7%	1.7%	29.7%	14.1%	64.6%	77.3%	30.4%	70.3%	32.2%
TIKAMGARH	15.7%	10.9% <sup>^</sup>	31.0%	14.5%	52.7%	57.3%	32.6%	68.4%	43.5%
HOSHANGABAD	24.4%	17.5%	32.4%	21.7%	41.8%	47.2%	31.4%	66.2%	48.9%
MORENA	36.7%	30.2%	33.9%	25.6%	28.9%	38.1%	21.4%	65.6%	51.6%
GWALIOR	20.1%	12.2%	39.1%	29.1%	39.3%	51.9%	23.4%	59.5%	35.6%
DATIA	11.3%	4.6%	40.3%	24.9%	48.1%	63.2%	25.6%	59.4%	30.3%
INDORE	9.2%	3.6%	40.7%	25.8%	50.1%	64.6%	31.0%	59.3%	34.6%
UJJAIN	6.0%	1.7%	42.4%	24.5%	51.6%	63.6%	26.9%	57.6%	28.6%
BHIND	11.0%	7.9%	3*9.2%	31.4%	46.4%	59.2%	20.8%	57.5%	28.6%
RAIPUR	29.3%	19.2%	42.5%	37.9%	25.7%	32.8%	17.5%	55.1%	36.7%
BALAGHAT	16.1%	11.7%	40.9%	37.4%	38.5%	38.2%	24.1%	54.6%	35.8%
SHIVPURI	5.7%	1.9%	46.7%	32.6%	47.6%	47.8%	30.9%	53.4%	22.8%
RATLAM	5.2%	1.7%	46.3%	26.8%	46.4%	62.6%	21.0%	51.6%	22.8%
SHAJAPUR	4.9%	2.9%	49.0%	24.8%	44.5%	58.5%	20.8%	51.0%	23.8%
CHHATARPUR	9.0%	4.8%	46.8%	32.7%	40.8%	37.0%	18.3%	49.8%	23.1%
RAJGARH	1.7%	0.6%	52.0%	25.8%	46.3%	60.1%	20.0%	48.0%	20.0%
BHOPAL	9.0%	7.2%	53.0%	39.7%	37.9 <sup>^</sup>	44.0%	15.0%	46.8%	22.2%
DURG	16.3%	9.8%	53.2%	45.6%	30.0%	35.7%	18.8%	46.2%	28.6%
DEWAS	2.0%	0.5%	53.09%	31.0%	44.1%	52.5%	21.3%	46.1%	21.8%
DHAR	2.8%	1.3%	48.5%	31.7%	43.3%	62.4%	23.2%	46.1%	24.4%
SEHORE	2.7%	1.8%	54.9%	34.1%	42.4%	54.4%	20.9%	45.1%	22.6%
BILASPUR	20.9%	14.3%	59.2%	53.5%	18.7%	24.3%	12.8%	39.6%	27.1%
WEST NIMAR	1.9%	1.3%	62.1%	47.8%	35.9%	43.6%	17.4%	37.9%	18.7%
NARIMHAPUR	10.0%	7.5%	60.9%	51.3%	26.2%	34.2%	20.0%	36.2%	27.5%
REWA	2.6%	1.8%	66.6%	41.6%	30.5%	38.5%	12.1%	33.1%	13.9%
EAST NIMAR	2.9%	1.2%	67.6%	47.2%	29.55	40.75%	13.4%	32.4%	14.6%
SIDHI	0.4%	0.4%	67.7%	47.4%	31.9%	36.1%	6.0%	32.3%	6.4%
RAISEN	6.3%	3.9%	69.4%	55.3%	24.1%	36.4%	12.7%	30.4%	16.6%
BETUL	1.0%	0.4%	71.1%	47.0%	27.9%	33.3%	12.6%	28.9%	13.0%
CHHINDWARA	1.4%	0.6%	72.7%	52.4%	25.9%	32.7%	11.5%	27.3%	12.1%
RAJNANDGAON	3.3%	2.3%	74.2%	59.0%	22.5%	26.5%	8.0%	25.8%	10.3%
SAGAR	3.6%	1.8%	71.7%	54.7%	22.0%	34.5%	10.9%	25.6%	12.7%
JHABUA	1.1%	0.5%	74.9%	64.3%	24.0%	30.5%	9.0%	25.1%	9.5%
GUNA	2.0%	1.4%	75.2%	59.8%	22.7%	32.5%	10.5%	24.7%	11.9%
DAMOH	6.3%	3.9%	74.3%	60.2%	17.8%	25.2%	8.4%	24.1%	12.3%
SARGUJA	0.0%	0.0%	76.0%	55.2%	23.7%	40.1%	3.2%	23.7%	3.2%
SATNA	2.3%	1.5%	76.8%	55.5%	20.6%	27.8%	10.6%	22.9%	2.0%
SEONI	2.1%	0.7%	76.6%	58.5%	19.4%	22.0%	9.1%	21.6%	9.8%
JABALPUR	4.9%	5.7%	74.9%	48.9%	15.7%	21.8%	7.7%	20.6%	13.3%
VIDISHA	1.7%	0.9%	79.4%	63.1%	18.6%	31.2%	10.0%	20.3%	10.9%
PANNA	1.7%	1.0%	81.1%	61.9%	14.2%	20.0%	6.6%	15.9%	7.6%
RAIGARH	1.8%	0.6%	81.2%	63.6%	13.9%	23.0%	4.2%	15.7%	4.8%
SHAHDOL	0.0%	0.0%	87.3%	63.2%	11.8%	13.0%	2.6%	11.9%	2.6%
BASTAR	1.0%	0.6%	91.9%	81.6%	4.9%	5.2%	1.4%	6.0%	1.9%
MANDLA	0.6%	0.3%	96.3%	72.3%	3.0%	2.9%	0.8%	3.6%	1.1%
MADHYA PADESH	8.9%	4.7%	61.6%	46.2%	28.3%	36.3%	14.5%	37.2%	19.2%

Source: Commissioner Land Records, Gwalior, Madhya Pradesh, Sanket MPHDRO.

**EL –10 Net and Gross Area Irrigated By Different Source**

DISTRICT	Percentage of Net Area Irrigated by Different Sources					Total Area (000. hectares) 1992-93
	Canals	Tanks	Tubewells	Wells	Others	
	1992-93	1992-93	1992-93	1992-93	1992-93	
MORENA	56.3%	0.7%	4.0%	34.8%	4.2%	245.2
BHIND	50.9%	0.2%	7.9%	38.6%	2.4%	111.5
GWALIOR	53.9%	0.1%	3.2%	36.1%	6.7%	120.1
DATAI	25.0%	0.2%	0.2%	73.7%	7.0%	52.4
SHIVPURI	11.1%	2.7%	1.4%	74.3%	10.5%	130.2
GUNA	19.4%	2.1%	9.8%	36.5%	32.2%	94.9
TIKAMGARH	12.0%	5.6%	0.9%	76.0%	5.5%	141.2
CHHATARPUR	15.7%	3.8%	0.0%	73.4%	7.0%	123.9
PANNA	23.5%	3.2%	3.9%	29.9%	39.9%	31.1
SAGAR	10.3%	0.9%	3.4%	44.2%	41.2%	97.1
DAMOH	13.6%	2.7%	10.5%	24.5%	48.7%	48.5
SATNA	15.5%	1.0%	25.0%	35.3%	23.3%	70.5
REWA	28.2%	3.3%	13.7%	34.6%	20.2%	68.8
SHAHDOL	33.7%	3.1%	4.9%	18.8%	39.8%	28.8
SINDHI	35.9%	0.8%	12.8%	35.4%	15.1%	39.8
MANDSAPUR	2.1%	2.0%	2.5%	87.6%	5.9%	199.8
RATLAM	4.2%	2.3%	23.2%	64.1%	6.2%	81.0
UJJAIN	1.3%	0.1%	41.4%	49.6%	7.7%	134.0
SHAJAPUR	2.2%	1.5%	10.9%	74.0%	11.5%	104.8
DEWAS	1.6%	0.1%	36.4%	52.7%	9.1%	67.3
JHABRA	5.4%	0.5%	31.6%	41.3%	62.7%	62.7
DHAR	3.3%	2.9%	38.3%	40.9%	14.6%	113.1
INDORE	1.3%	0.9%	77.2%	16.1%	4.5%	77.5
WEST NIMAR	14.6%	0.0%	5.5%	60.7%	19.2%	148.1
EAST NIMAR	1.1%	0.8%	5.5%	78.8%	13.8%	76.0
RAJGARH	1.6%	1.0%	4.4%	83.2%	9.7%	86.5
VIDISHA	33.8%	0.8%	9.9%	17.8%	37.6%	86.6
BHOPAL	8.1%	1.3%	14.5%	44.1%	32.0%	37.2
SEHORE	21.9%	1.7%	10.3%	54.4%	11.7%	104.1
RAISEN	38.8%	0.5%	27.2%	14.9%	18.6%	106.5
BETUL	18.1%	0.3%	2.5%	65.2%	14.0%	72.9
HOSHANGABA	65.4%	0.1%	8.4%	20.4%	5.6%	288.8
JABALPUR	19.3%	0.3%	12.9%	40.4%	27.2%	103.3
NARSIMHAPUR	1.0%	0.1%	24.2%	67.1%	7.6%	105.0
MANDLA	72.8%	0.0%	0.0%	16.6%	10.6%	15.1
CHHINDWARA	7.2%	1.0%	3.7%	80.2%	8.0%	73.6
SEONI	46.3%	13.0%	0.2%	28.0%	12.5%	56.8
BALAGHAT	59.6%	27.1%	0.0%	9.9%	3.5%	120.7
SARGUJA	37.0%	2.2%	3.0%	20.9%	37.0%	23.0
BILASPUR	82.3%	7.9%	3.7%	3.6%	2.4%	261.5
RAIGARH	43.2%	14.4%	21.8%	5.3%	15.3%	43.1
RAJNANDGAON	71.4%	5.9%	4.4%	5.1%	13.3%	73.0
DURG	65.4%	4.5%	7.3%	4.6%	18.2%	199.4
RAIPUR	80.8%	8.6%	2.5%	4.1%	4.1%	424.4
BASTAR	35.4%	40.6%	1.6%	9.4%	13.0%	25.4
MADHYA PADESH	35.3%	3.7%	10.1%	38.5%	12.4%	4775.2

Source: Commissioner Land Records , Madhya Pradesh, Gwalior, Agriculture Statistics, 1992-93



**EL 10 – Net and Gross Area Irrigated B Different Sources**

DISTRICT	Percentage of Net Area Irrigated by Different Sources					Total Area (000. hectares) 1992-93
	Canals	Tanks	Tubewells	Wells	Others	
	1992-93	1992-93	1992-93	1992-93	1992-93	
MORENA	56.3%	0.7%	4.1%	34.8%	4.2%	249.5
BHIND	53.4%	0.2%	8.1%	35.9%	2.5%	122.1
GWALIOR	56.3%	0.1%	2.9%	34.8%	5.9%	137.5
DATAI	24.5%	0.2%	0.2%	74.2%	0.9%	53.5
SHIVPURI	10.8%	2.6%	1.3%	74.9%	10.3%	133.7
GUNA	19.3%	2.1%	9.7%	36.7%	32.2%	95.8
TIKAMGARH	12.0%	5.8%	0.9%	76.1%	5.3%	161.6
CHHATARPUR	15.7%	3.8%	0.0%	73.6%	7.0%	124.6
PANNA	23.2%	3.2%	3.9%	30.9%	39.5%	31.1
SAGAR	11.0%	0.9%	3.4%	43.8%	40.9%	97.1
DAMOH	15.2%	2.7%	9.7%	23.1%	49.3%	53.7
SATNA	15.5%	1.0%	25.0%	35.3%	23.3%	70.5
REWA	28.2%	3.3%	13.7%	34.6%	20.2%	68.8
SHAHDOL	33.7%	3.1%	4.9%	18.8%	39.6%	28.8
SINDHI	35.9%	0.8%	12.8%	35.4%	15.1%	39.8
MANDSAPUR	2.1%	2.0%	2.5%	87.6%	5.8%	202.1
RATLAM	4.1%	2.3%	22.6%	64.8%	6.3%	82.2
UJJAIN	1.3%	0.1%	41.5%	49.5%	7.7%	134.5
SHAJAPUR	2.2%	1.6%	10.8%	73.8%	11.6%	106.2
DEWAS	1.6%	0.1%	36.2%	52.9%	9.2%	68.8
JHABRA	21.1%	5.4%	0.6%	31.6%	41.2%	66.7
DHAR	3.3%	2.9%	38.3%	40.9%	14.6%	113.1
INDORE	1.3%	1.0%	77.0%	16.2%	4.5%	77.7
WEST NIMAR	14.6%	0.0%	5.5%	60.7%	19.2%	148.1
EAST NIMAR	1.0%	0.7%	5.1%	80.6%	12.7%	83.0
RAJGARH	1.6%	1.0%	4.4%	83.2%	9.7%	86.5
VIDISHA	33.8%	0.8%	9.9%	17.8%	37.6%	86.6
BHOPAL	8.1%	1.3%	14.5%	44.1%	32.0%	37.2
SEHORE	21.9%	1.7%	10.3%	54.4%	11.7%	104.1
RAISEN	38.8%	0.5%	27.2%	14.9%	18.6%	106.5
BETUL	18.1%	0.3%	2.5%	65.2%	14.0%	72.9
HOSHANGABA	65.4%	0.1%	8.4%	20.4%	5.6%	288.8
JABALPUR	22.8%	0.4%	11.9%	38.6%	26.3%	112.3
NARSIMHAPUR	1.0%	0.1%	24.2%	67.1%	7.6%	105.0
MANDLA	69.2%	0.0%	0.0%	22.7%	8.1%	19.8
CHHINDWARA	7.2%	1.0%	3.7%	80.2%	8.0%	73.6
SEONI	46.3%	13.0%	0.2%	28.0%	12.5%	56.8
BALAGHAT	61.0%	26.2%	0.0%	9.5%	3.4%	132.2
SARGUJA	37.0%	2.0%	3.2%	21.9%	35.6%	24.7
BILASPUR	81.2%	8.2%	4.1%	3.8%	2.6%	272.9
RAIGARH	43.2%	13.9%	22.9%	5.2%	14.8%	44.6
RAJNANDGAON	68.7%	5.7%	5.1%	7.1%	13.4%	77.0
DURG	61.0%	4.4%	8.7%	6.3%	19.6%	214.0
RAIPUR	80.7%	8.5%	2.6%	4.1%	4.1%	425.9
BASTAR	35.4%	40.6%	1.6%	9.4%	13.0%	25.4
MADHYA PADESH	35.4%	3.7%	10.0%	38.5%	12.3%	4918.1

Source: Commissioner Land Records , Madhya Pradesh, Gwalior, Agricultural Statistics, 1992,93

### EL 11- Agriculture Machinery and Implements

District	Plough (No.)		Bullock carts (No.)	Sugarcane Crushers (No.)		Oil Engine Pumps (No.)	Electric Pumps (No.)	Tractors (No.)
	Wooden	Iron		Power Driven	Bullock Driven			
	1992-93	1992-93		1992-93	1992-93			
RAISEN	34676	8725	52678	2	7	8503	6715	4634
VIDISHA	64833	6136	43360	37	39	10633	5470	5659
BHOPAL	23592	9192	17188	119	278	2581	8640	826
DATIA	24892	2566	17836	10	107	2801	5086	1380
MORENA	111325	17194	54333	173	438	7548	6950	6464
GUNA	104117	3667	56788	453	474	10258	12795	5226
HOSHANGABAD	70073	17342	90804	53	17	6305	19482	4214
WEST NIMAR	141862	65131	106392	135	237	8892	51335	1082
BHIND	57296	12919	439906	6	108	2399	6659	4524
SEHORE	64837	5559	58349	990	370	3320	30127	2696
SAGAR	79777	21272	52295	16	55	10192	13872	4351
GWALIOR	29603	24124	22591	21	610	2610	2149	3507
INDORE	40357	17048	20770	149	31	47	18538	2259
NARSIMHAPUR	50589	2487	43564	593	8	2153	14638	2274
MANDSAPUR	101020	4474	65929	18	170	9196	73945	3741
UJJAIN	52086	3934	34049	312	438	908	41682	2404
DEWAS	59141	7739	46425	894	248	1467	36658	1646
SHIVPURI	111556	17084	54338	14	447	8531	12359	2248
CHHATARPUR	147687	6273	61931	-	301	7541	18343	1843
DHAR	110750	27583	64144	129	57	6213	42281	2224
SATNA	118730	3495	21321	-	27	4570	19948	2579
REWA	175944	-	4960	-	12	4*952	10918	1950
RATLAMA	56630	8992	2440	15	71	2097	33361	1442
DAMOH	58881	17401	10820	-	16	3715	6592	939
SHAJAPUR	72447	15300	57026	148	750	1773	26560	1686
EAST NIMAR	76927	39755	78470	30	-	7018	23700	933
TIKAMGARH	51537	459	24003	7	356	1794	10871	862
BETUL	145073	14931	131022	1017	129	5687	24414	1034
PANNA	86905	6273	38221	20	97	4320	2920	838
CHHINDWARA	14271	16616	100587	580	230	1301	37489	975
DURG	188485	1147	114356	54	27	3033	7087	1509
RAJGARH	87363	20279	50714	35	527	2463	32137	953
RAIPUR	367369	211551	170661	10	718	16582	6428	2836
JABALPUR	119961	22964	21150	5	15	6167	12981	2390
SEONI	126456	2316	6973	89	197	3610	6306	567
RAIGARH	258103	2343	55094	3	1924	3736	1670	914
BILASPUR	260339	748	147229	24	776	1115	440	1327
SIDHI	168208	3865	373	-	14	3101	4259	611
RAJNANDGAON	169881	1221	87220	2	190	3466	2198	524
SHAHDOL	223096	13159	37866	-	88	2004	1969	494
JHUBUA	158192	20243	25848	4	12	5825	7639	251
BASTAR	404065	7023	69492	6	1012	3926	69	235
SURGUJA	294635	23744	10452	55	698	2480	1623	478
MANDLA	197686	355	8374	133	285	1239	1004	164
BALAGHAT	149906	2907	109320	67	816	2678	3339	349
MADHYA PRADESH	5640159	772916	2474746	6428	13427	210750	714276	90060

Source : Commissioner of Land Records , Gwalior , Madhya Pradesh, Agricultural Statistics, 1992-93.

**EL 11- Agriculture Machinery and Implements**

District	Plant Protection Machines (No.)	Expellers (No.)	Persia Wheel (o.)	Tractors per 10 Villages	Tractors Per 100 Operational Holdings	Electric Pumps per 100 Operational Holdings	Oil Engine Pumps per 100 Operational Holdings
	1992-93	1992-93	1992-93	1991-92	1991-92	1991-92	1991-92
RAISEN	3940	8	15	47.79	6.29	3.69	5.53
VIDISHA	936	6	10	32.94	4.63	5.05	7.61
BHOPAL	668	1	1	38.00	4.53	18.59	5.26
DATIA	489	-	1880	36.87	2.88	12.32	4.28
MORENA	12	5	1023	47.32	2.68	4.46	2.21
GUNA	1050	57	713	24.38	2.67	5.11	3.75
HOSHANGABAD	16198	0	8	24.04	2.67	7.71	4.06
WEST NIMAR	55431	12	79	21.73	2.50	27.82	5.53
BHIND	201	-	389	37.73	2.40	4.72	1.16
SEHORE	3710	36	-	22.90	2.33	18.22	2.30
SAGAR	352	5	66	23.87	2.30	7.58	6.44
GWALIOR	825	5	1615	33.37	2.27	14.19	3.27
INDORE	4265	1	-	21.68	2.09	50.07	0.15
NARSIMHAPUR	6756	1	-	21.24	1.88	8.80	1.85
MANDSAPUR	4738	85	30	23.26	1.84	31.87	5.96
UJJAIN	6176	10	-	16.88	1.72	37.11	0.68
DEWAS	14667	9	1	13.07	1.48	37.04	1.32
SHIVPURI	292	57	26714	16.28	1.36	6.72	5.33
CHHATARPUR	462	213	19145	21.40	1.24	8.15	3.66
DHAR	36371	17	254	10.42	1.19	26.76	2.83
SATNA	3768	20	3	14.16	1.19	2.66	1.03
REWA	526	336	16	7.90	0.98	3.58	2.45
RATLAMA	10789	27	1	9.47	0.85	23.37	1.98
DAMOH	201	-	59	11.52	0.82	4.04	2.75
SHAJAPUR	2893	24	152	9.76	0.79	31.29	2.75
EAST NIMAR	11505	6	2	8.39	0.77	25.32	6.23
TIKAMGARH	280	21	12513	12.53	0.73	9.05	2.37
BETUL	580	41	-	7.46	0.65	12.93	3.03
PANNA	46	2	1182	7.31	0.58	2.18	2.80
CHHINDWARA	6209	27	191	5.20	0.52	19.77	0.76
DURG	16903	7	-	8.43	0.51	1.84	1.16
RAJGARH	218	1591	2859	4.39	0.50	16.81	1.12
RAIPUR	28695	439	12	6.62	0.44	2.16	2.26
JABALPUR	4635	20	62	4.82	0.37	1.34	1.20
SEONI	701	5	83	3.14	0.34	3.38	2.05
RAIGARH	9206	635	7	3.69	0.32	0.58	1.68
BILASPUR	23846	179	16	3.14	0.30	1.09	0.87
SIDHI	1540	752	3	2.64	0.26	2.13	1.90
RAJNANDGAON	7256	46	5	2.45	0.24	0.97	1.11
SHAHDOL	219	82	-	3.09	0.23	0.81	1.14
JHUBUA	9873	4	-	1.93	0.21	5.04	4.34
BASTAR	1474	118	20	1.14	0.15	0.20	0.84
SURGUJA	2545	132	121	1.7/8	0.14	0.47	0.81
MANDLA	6	22	62	0.70	0.07	0.45	0.35
BALAGHAT	1452	18	16*9	2.32	0.05	0.48	0.27
MADHYA PRADESH	302905	5082	69481	12.13	1.03	6.67	2.26

Sources: Commissioner of Land Records , Gwalior, Madhya Pradesh, Agricultural Statistics, 1992-93

**EL 12 – Livestock Population in Madhya Pradesh, Milk Production and Veterinary Centers.**

District	Cattle (in'000s)				Buffaloes (in '000s)			
	Bull, Bullocks	Cows	Others Cattle	Total Cattle	Male	Female	Other	Total
	1992-93	1992-93	1992-93	1992-93	1992-93	1992-93	1992-93	1992-93
CHHATARPUR	256.2	132.9	247.0	736.1	6.7	108.5	96.3	211.5
SHIVAPURI	247.8	219.3	202.5	669.6	3.3	112.7	90.4	206.4
PANNA	180.8	151.0	161.8	493.6	9.3	59.6	54.9	123.8
SIDHI	351.1	246.9	260.8	858.8	4.8	84.0	77.0	165.8
TIKAMGARH	187.1	157.8	172.7	517.7	3.2	71.4	64.6	139.2
DEWAS	143.4	120.9	136.2	400.5	1.96	97.6	69.3	168.8
MORENA	190.9	186.0	157.3	534.2	2.8	200.1	163.2	366.1
DAMOH	136.7	144.4	167.1	448.2	2.4	41.6	39.3	83.3
RAJGARH	144.7	136.6	134.8	416.1	2.7	122.6	107.6	232.9
MANDSAUR	168.3	210.7	196.2	575.2	2.6	145.9	122.9	217.1
SEHORE	137.7	119.2	128.4	385.3	2.4	71.1	55.9	129.4
BASTAR	603.2	427.5	460.8	1491.5	148.4	2*9.2	35.2	212.8
SATNA	295.4	222.7	251.2	769.3	15.5	71.0	70.7	157.2
GUNA	219.3	185.5	192.8	597.6	4.9	111.5	99.5	215.9
BHIND	106.4	74.5	76.5	257.4	2.8	140.5	126.5	275.8
SHAJAPUR	125.3	150.8	136.4	412.5	2.8	115.3	92.5	210.6
DATIA	51.5	41.1	44.8	137.4	0.4	42.0	32.9	75.3
RAJNANDGAON	255.8	253.4	265.9	775.1	95.8	22.0	22.7	140.5
VIDISHA	137.7	131.2	137.1	406.0	2.4	66.3	51.3	120.0
REWA	326.5	218.5	245.8	800.8	4.1	76.3	74.1	154.5
SEONI	195.0	141.5	162.3	498.8	10.9	47.2	44.3	102.4
SHAHDOL	386.4	264.8	317.4	968.6	83.1	64.2	70.0	217.3
SAGAR	203.9	231.7	267.1	702.7	2.4	80.5	70.2	154.1
RATLAM	108.3	98.6	98.4	305.3	1.9	77.9	62.0	141.8
CHHINDWARA	297.3	203.6	223.5	724.4	3.7	62.1	57.3	123.1
RAISEN	143.1	134.4	146.4	423.9	3.6	52.3	45.7	101.1
JHABUA	288.9	137.5	142.8	569.2	1.7	53.0	46.4	101.1
BETUL	284.8	144.5	164.5	593.8	4.4	57.3	54.8	116.2
WEST NIMAR	342.6	230.3	232.7	805.6	3.3	132.3	102.0	237.6
SARGUJA	537.5	296.3	295.4	1129.2	89.6	62.6	61.4	213.7
MANDLA	276.6	219.7	212.6	708.9	41.7	47.5	57.0	145.2
NARSINGHPUR	105.4	107.9	128.0	341.3	3.0	43.7	42.3	89.0
RAIPUR	567.5	558.3	631.7	1757.4	237.4	62.3	72.0	372.7
UJJAIN	117.8	124.2	118.1	360.1	3.3	132.4	88.0	224.7
BALAGHAT	251.8	165.2	164.5	581.5	50.8	39.6	44.4	134.8
HOSHANGABAG	202.0	156.9	185.7	544.6	4.1	75.8	64.2	144.2
BILASPUR	402.5	547.8	592.5	1542.8	317.5	50.7	59.0	427.2
DHAR	233.1	149.2	167.6	549.9	2.0	94.5	76.3	171.8
DURG	251.5	318.7	365.0	935.2	100.7	40.0	39.2	179.9
RIGARH	381.4	216.7	248.8	846.9	109.7	19.2	22.0	150.9
EAST NIMAR	211.8	138.4	163.4	513.6	2.6	77.6	58.9	139.1
GWALIOR	103.9	122.9	98.2	325.0	6.7	110.5	79.9	197.1
JABALPUR	304.4	265.5	324.5	864.4	18.7	86.3	81.3	186.3
INDORE	79.8	76.8	79.5	236.1	2.0	116.4	61.0	179.4
BHOPAL	48.6	47.1	49.2	144.9	0.9	32.5	24.2	57.6
MADHYA PRADESH	10591.7	8529.4	9355.9	29687.0	1426.0	3507.3	2595.3	7969.7

Source: Commissioner Land Records, Gwalior, Madhya Pradesh Sanket- MPHRO

**EL 12 – Livestock Population in Madhya Pradesh , Milk Production and Veterinary Center**

DISTRICT	Other Animals (in '000s)					Mitch Animals	Grass Total
	Sheep	Goats	Horses	Pigs	Others	1992-93	1992-93
	1992-93	1992-93	1992-93	1992-93	1992-93		
CHHATARPUR	52.6	257.2	0.6	18.4	2.4	241.4	1278.8
SHIVAPURI	75.2	251.4	0.4	8.2	1.8	332.0	1213.0
PANNA	10.9	112.2	0.8	7.3	0.5	210.6	749.1
SIDHI	25.7	317.9	1.5	9.8	0.2	330.9	1379.7
TIKAMGARH	71.2	186.0	0.5	8.1	1.0	229.2	923.6
DEWAS	0.1	122.1	0.9	2.9	1.5	218.5	696.7
MORENA	32.4	288.8	0.9	10.4	5.5	386.1	1238.3
DAMOH	5.8	87.8	0.7	8.0	0.8	186.0	634.6
RAJGARH	10.1	124.7	1.2	5.7	4.1	259.2	794.8
MANDSAUR	47.4	259.1	2.5	5.2	6.9	356.3	1167.4
SEHORE	1.6	77.6	1.9	3.5	1.5	190.3	600.8
BASTAR	24.9	507.7	0.1	210.8	-	456.7	2447.8
SATNA	24.4	180.4	0.6	13.8	0.5	293.7	1146.2
GUNA	9.5	16.9	1.1	5.9	2.1	297.0	997.0
BHIND	42.7	141.0	0.8	10.4	3.0	215.0	731.1
SHAJAPUR	5.2	146.0	1.9	4.8	3.9	266.1	784.9
DATIA	14.9	73.5	0.2	3.5	0.5	83.1	305.3
RAJNANDGAON	13.5	143.5	0.8	20.9	0.1	275.4	1094.4
VIDISHA	1.9	76.9	1.3	2.9	1.6	197.5	610.6
REWA	22.6	179.0	0.7	21.4	0.3	294.8	1179.3
SEONI	0.4	116.0	1.6	8.5	0.1	188.7	727.8
SHAHNOL	11.3	183.8	3.5	10.7	-	329.0	1395.2
SAGAR	4.9	107.8	1.6	7.0	0.5	312.2	978.6
RATLAM	17.1	131.9	1.3	2.4	2.0	176.5	601.8
CHHINDWARA	2.4	244.6	5.1	6.9	0.8	265.7	1107.3
RAISEN	2.5	66.2	2.6	2.8	2.2	186.7	601.8
JHABUA	8.0	301.4	0.4	0.2	2.5	190.5	982.8
BETUL	6.5	122.2	2.4	8.4	0.9	201.8	850.4
WEST NIMAR	14.7	415.9	1.0	5.3	4.8	362.6	1484.9
SARGUJA	7.2	387.9	4.7	43.4	-	358.9	1786.1
MANDLA	1.2	119.4	7.5	22.9	-	267.2	1005.1
NARSINGHPUR	1.3	68.9	1.7	5.8	1.3	151.6	509.3
RAIPUR	48.4	238.7	0.2	25.4	0.2	620.6	2443.1
UJJAIN	10.11	1.4	2.0	3.2	256.6	733.3	733.3
BALAGHAT	-	160.2	0.2	21.3	-	204.8	898.0
HOSHANGABAG	0.5	107.5	2.0	3.9	1.1	232.7	803.8
BILASPUR	23.4	276.6	1.9	18.1	0.1	598.5	2290.1
DHAR	14.1	313.0	1.0	3.3	3.1	243.7	1056.2
DURG	22.5	136.2	0.5	7.9	0.1	358.7	1282.3
RIGARH	36.5	296.8	1.7	59.9	-	235.9	1392.7
EAST NIMAR	28.3	166.4	1.9	3.2	2.0	216.0	854.5
GWALIOR	63.1	241.9	4.6	33.6	13.3	233.4	878.6
JABALPUR	15.6	192.8	2.2	24.3	0.4	351.8	1316.0
INDORE	2.7	94.8	1.2	14.4	1.3	193.2	529.9
BHOPAL	0.5	49.6	0.8	5.7	0.6	76.6	256.7
MADHYA PRADESH	835.8	8370.0	72.4	729.2	78.6	12036.7	46742.7

Source: Commissioner Land Records Gwalior Madhya Pradesh , Sanket- MPHRO

EL 12 – livestock Population in Madhya Pradesh , Milk Production and Veterinary Center

	Animals per Capita	Draught Animals Per operational Holding	Mulch Animals Per House	Milch Animals per Capita Pigs	Draught Animals per Capita dependent on agriculture and allied activities
DISTRICT	1991-92				
CHHATARPUR	1.16	1.57	1.69	0.28	0.89
SHIVAPURI	1.08	1.73	1.62	0.27	0.82
PANNA	0.98	1.65	1.35	0.25	0.96
SIDHI	0.97	1.89	1.36	0.23	0.83
TIKAMGARH	0.89	1.31	1.33	0.22	0.68
DEWAS	0.67	1.59	1.31	0.21	0.51
MORENA	0.77	1.14	1.46	0.21	0.65
DAMOH	0.76	1.25	1.08	0.20	0.80
RAJGARH	0.75	0.98	1.23	0.20	0.47
MANDSAUR	0.72	0.87	1.13	0.19	0.33
SEHORE	0.70	1.54	1.18	0.19	0.61
BASTAR	0.99	2.28	1.00	0.19	0.74
SATNA	0.78	1.51	1.10	0.19	0.83
GUNA	0.72	1.32	1.17	0.19	0.76
BHIND	0.58	0.93	1.30	0.18	0.50
SHAJAPUR	0.60	0.91	1.09	0.18	0.37
DATIA	0.69	0.98	1.19	0.18	0.53
RAJNANDGAON	0.75	1.59	0.99	0.18	0.59
VIDISHA	0.59	1.59	1.08	0.18	0.67
REWA	0.72	1.84	1.06	0.17	0.84
SEONI	0.75	1.49	0.98	0.17	0.60
SHAHNOL	0.78	1.82	0.93	0.17	0.91
SAGAR	0.60	1.26	1.00	0.17	0.75
RATLAM	0.61	0.99	0.95	0.16	0.40
CHHINDWARA	0.69	1.50	0.95	0.16	0.64
RAISEN	0.65	1.69	1.01	0.16	0.80
JHABUA	0.84	2.33	1.03	0.16	0.70
BETUL	0.69	1.71	0.98	0.16	0.64
WEST NIMAR	0.66	1.79	0.99	0.16	0.43
SARGUJA	0.79	1.82	0.84	0.16	0.91
MANDLA	0.61	1.25	0.80	0.15	0.51
NARSINGHPUR	0.61	0.92	0.90	0.15	0.48
RAIPUR	0.59	1.34	0.83	0.15	0.57
UJJAIN	0.50	1.28	0.88	0.14	0.41
BALAGHAT	0.61	0.48	0.77	0.14	0.61
HOSHANGABAD	0.54	1.55	0.82	0.14	0.65
BILASPUR	0.54	1.93	0.76	0.14	0.57
DHAR	0.62	1.49	0.81	0.13	0.41
DURG	0.51	1.20	0.72	0.13	0.50
RIGARH	0.76	1.91	0.65	0.13	0.82
EAST NIMAR	0.52	1.74	0.74	0.12	0.46
GWALIOR	0.37	0.95	0.72	0.11	0.52
JABALPUR	0.38	0.95	0.46	0.08	0.57
INDORE	0.24	0.96	0.46	0.08	0.30
BHOPAL	0.17	1.20	0.27	0.05	0.52
MADHYA RADESH	0.66	1.42	0.94	0.16	0.62

Source: Commissioner Land Records Gwalior Madhya Pradesh, Sanket =MPHDRO

**EL 12 – Livestock Population in Madhya Pradesh, Milk Production and Veterinary Centers**

DISTRICT	District wise annual Production of Milk (Kgs)		Production of Milk per person in the District per day (Kgs)	Veterinary Hospitals	Veterinary Dispensaries	Total	Animals per Hospitals and Dispensaries
	1995-96	1996-97	1996-97	1996-97	1996-97	1996-97	
CHHATARPUR	92686050	96290258	0.37	16	52	68	18806
SHIVAPURI	176161985	168750523	0.66	15	51	66	18379
PANNA	85427304	88254547	0.59	8	38	46	16285
SIDHI	100413301	102395078	0.33	19	69	88	15678
TIKAMGARH	85426308	87742362	0.42	13	41	54	17104
DEWAS	175368171	20248617	0.09	12	26	38	18334
MORENA	1711311676	175195066	0.45	19	53	72	17199
DAMOH	76890827	79000084	0.41	9	32	41	157478
RAJGARH	87856391	94731370	0.45	14	40	54	14719
MANDSAUR	203562591	167934680	0.52	17	48	65	17960
SEHORE	82503995	85972100	0.47	12	25	38	15811
BASTAR	112908874	123079161	0.27	42	105	147	16652
SATNA	95598365	95810697	0.30	15	58	73	15701
GUNA	139311754	141489479	0.48	15	62	77	12948
BHIND	154345924	157205405	0.57	10	27	37	19759
SHAJAPUR	84331625	105905319	0.48	15	30	45	17442
DATIA	65184722	67521386	0.76	4	17	21	14538
RAJNANDGAON	94174920	73875978	0.25	16	69	85	12875
VIDISHA	91040040	95044905	0.45	8	35	43	14200
REWA	98134921	98673671	0.29	16	59	75	15724
SEONI	71813477	77804258	0.38	13	39	52	13996
SHAHDOL	97015161	98625557	0.26	25	80	105	13288
SAGAR	89732903	91410027	0.26	18	45	63	15533
RATLAM	1726224421	173577830	0.86	12	30	42	14329
CHHINDWARA	91911010	92532931	0.28	19	66	85	13027
RAISEN	77820705	80018950	0.42	13	30	43	13995
JHABUA	967778498	99936117	0.40	18	43	61	16111
BETUL	90411999	92573490	0.37	18	48	66	12885
WEST NIMAR	167200016	169881259	0.40	16	36	52	28556
SARGUJA	97621185	98925873	0.23	31	76	107	16693
MANDLA	100062977	78954982	0.30	21	55	76	13225
NARSINGHPUR	83667734	85945181	0.52	9	27	36	14147
RAIPUR	119454956	122630174	0.15	41	127	168	14542
UJJAIN	185491810	153436383	0.53	9	29	38	19297
BALAGHAT	79807960	82586480	0.30	15	42	57	15754
HOSHANGABAD	88923750	76513764	0.28	18	41	59	13624
BILASPUR	137554017	139098998	0.17	37	124	161	14224
DHAR	108145360	110622762	0.38	21	51	72	14669
DURG	86419092	73024754	0.15	21	77	98	13085
RIGARH	731261497	105779029	0.31	20	61	81	17194
EAST NIMAR	167782460	169961319	0.57	26	73	99	8631
GWALIOR	175106930	176008897	0.55	16	21	37	23746
JABALPUR	97927470	101687799	0.18	20	57	77	17091
INDORE	20408459	209926334	0.52	11	26	37	14322
BHOPAL	92543890	99719460	0.31	9	12	21	12367
MADHYA RADESH	5125558618	5224241286	0.37	772	2253	3026	15447

Source: Commissioner Land Records, Gwalior Madhya Pradesh Sanket-MPHDRO

**EL-13- LIVELIHOOD PROFILE OF MADHYA PRADESH**

District	Major Occupation	Other Occupation	Significant Non Agricultural Occupation in 1981	Significant Non Agricultural Occupation in 1991	Occupation with significant Decadal Growth Rates	Status of manufacturing	Observations
Morena	Cultivation (70%) and Agriculture labour (8.8%)	Other Services (7.6%)	Trading in Food and Food Articles , Public Administration an defence service	Public Administration and Defence Service, Retail trade in Food and food articles , land Transport Construction	Agricultural labour (69%) Construction (57%) Transport storage and communications (85%) non house hold manufacturing (44%) other services (65%)	Moderate growth as seen from growth in non household manufacturing (44%) an other service (65%)	Increase in female main worker by 11% this increase is mainly in the sector of agricultural labour, non household manufacturing and Cultivation Increase in construction labour among urban males.
Bhind	Cultivation (67%) and agriculture labour (12.6)	Other services (10.9%)	Public administration defence service	Public administration and defence services Educational services, Retail trade in Food and food articles.	Other Services (81%) Agricultural labour (61%)	Moderate growth as seen from growth in seen from growth in non house hold (28%) and other services (81)	Increase in female main workers by (90%). This increase is mainly in the other sector of agricultural labour, non household manufacturing and construction.
Gwalior	Cultivation (67%) and Other Services (22%)	Non household manufacturing (10.7%), trade and commerce (10.3%)	Manufacturing of Cotton textiles , Product Construction , Trading in Food and Food Articles, Land Transport , Public administration an defence services, Education and Research services and personal services.	Public Administration and Defence Services Unclassified services Construction , Educational services, Retail trade in food and food articles , Land Transport.	Mining (287%) Construction (83%) and Other Services (79%)	Stagnation a seen from growth in non household manufacturing (-3%)	Increase in construction labour is main among the rural female main workers. Decrease in Agriculture Allied By 41%
Datia	Cultivation (63%) and Agriculture labour (13%)	Other services (10.3%)	Trading in food and food Articles , Public Administration and defence services	Public Administration and defence service, retail trade in food and food articles, Educational services Unclassified services Construction, Personal services.	Other services (65%) Trade and Commerce (51%) Transport, storage and Communication (51%) and Construction (43%)	Law rate of growth as seen from growth in non household manufacturing (-1%)	Increase in female main workers by (6%) The increase in marginal worker is by 206% much of this increase in among female marginal worker.
Shivpuri	Cultivation (70%) and Agriculture labour (12.3%)	Other services (7%)	Trading in Food and Food Articles , Public Administration and defence services	Public administration and Defence services, Educational services Retail trade in food and food articles , Construction 15 , Personal services.	Mining (172%) , Other services (71%) Transport, storage an Communication (54%) Trade and Commerce (55%) Construction (48%)	Low rate of growth as seen from growth in non household manufacturing (-3%)	Increase in female main workers by 9% The increase in the sectors Other Services and rural construction. Increase in marginal workers by 88% mainly among the female marginal workers. Increase in mining by 172%. The increase mainly among the rural males.
Guna	Cultivation (59%) and agriculture labour (18.8%)	Other service (8.6%)	Manufacture of Beverages, Construction, Manufacture of Food Production , Public administration and defence services, Education	Public Administration and Defence services Unclassified services , Retail trade in food and food articles , Construction Educational services personal services.	Other services (96%) Non household manufacturing (72%) Transport storage and Communication (62%)	The rate of growth is high as seen from growth in non household manufacturing (72%) and other Services (96%)	There is a 99% increase in the marginal worker Much of this increase is among the female marginal workers . The district shows a growth of 7% in the Agriculture Allied sector when more than 80% o the districts are showing a negative trend in the same sector.

1. The Percentages denote the percent of main worker engaged in the particular occupation
2. The percentage denote the decadal growth rates in main workers (1981-1991)



**EL-13- LIVELIHOOD PROFILE OF MADHYA PRADESH**

District	Major Occupation	Other Occupation	Significant Non Agricultural Occupation in 1981	Significant Non Agricultural Occupation in 1991	Occupation with significant Decadal Growth Rates	Status of manufacturing	Observations
Tikamgarh	Cultivation (73.5%) and Agricultural labour (11.7%)	Other services (5.3%)	Manufacture of Beverages Construction, Manufacture of Food Products, Public Administration and Defence Services, Education	Public Administration and Defence service, Educational services, Retail trade in food and food articles, Manufacture of wood and wood products Unclassified services.	Non household manufacturing (63%) Trade and Commerce (60%) Other services (52%)	Moderate growth as seen from growth in non household manufacturing (63%) and other services (52%)	Increase in female main workers by 60%. The increase is mainly among rural female cultivators. Decline in Agriculture Allied sector by 28%
Chhatarpur	Cultivation (50.6%) and Agricultural Labour (20.5%)	Other services (6.2%)	Livestock Production	Retail trade in Food and Food articles, Educational services, Public Administration and Defence services. Manufacture of Wood and wood products, Livestock production, Personal services Construction	Trade and commerce (51%) Storage Transport and Communication (62%)	Low level of growth as seen from growth in non household manufacturing (21%) and other services (23%)	Increase in marginal workers by 64%. The increase is primarily among female marginal workers. Increase in female main workers by 56%. The increase is mainly in the area rural female cultivators.
Panna	Cultivation (55.4%) and Agricultural labour (27%)	Other services (5.6%)	Construction	15, Public Administration and Defence services, Retail trade in food and food articles, Manufacture of wood and wood products.	Mining (71%) Transport and communication (55%) Trade and Commerce (43%)	Low level of growth as seen from growth in non household manufacturing (18%) and other services (37%)	Increase in marginal workers by 65%. The increase is mainly among female marginal worker The district has more than 14,000 child workers.
Sagar	Cultivation (32.7%) and Agricultural labour (22.5%)	Household manufacturing (19.9%), Trade and Commerce (5.6%)	Construction, manufacture of food Products, Land transport, Public Administration and Defence Services, Education	Manufacture of Beverages, Tobacco and tobacco products, public administration and defence service	Construction (50%) Trade and commerce (48%), other Services (43%)	Low level of growth as seen from growth in non household manufacturing (9%) and other Services (43%)	The district shows a growth of 8% in house hold manufacturing while more than 80% of the districts show a negative trend in the same sector.
Damoh	Cultivation (36.2%) and Agricultural labour (26.1)	Household manufacturing (14.9%), Non Household manufacturing (7.6%)	Manufacture of Beverages	Manufacture of Beverages, Tobacco and tobacco Products, Retail trade in Food and food articles.	Non Household Manufacturing (193%) Agricultural labour (44%)	Moderate level of growth as seen from growth in non household manufacturing (193%) and other services (37%)	Increase in female main workers by 43%.
Satna	Cultivation (42.3%) and Agricultural labour (29.2%)	Other services (6.4%) household manufacturing (6.1%)	Manufacture of Beverages, wood Product, Pottery and Ceramics, Manufacture of Food Products, land Transport	Manufacture of Beverages, Tobacco and tobacco products, manufacture of non-metallic mineral products, Retail trade in food and food articles, Public Administration and defence services, Land Transport.	Trade and commerce (64%) Other Services (62%)	Low level of growth as seen from growth in non household manufacturing (2%)	Decline in household manufacturing by 15% Increase in marginal worker by 47%. This increase is mainly among the female marginal workers.
Rewa	Cultivation (41%) and Agricultural labour (37%)	Other services (8.5%) household manufacturing (3%)	Construction, Manufacture of Food Products, Public Administration and Defence Services, Education.	Public Administration and Defence Services, Educational services, Retail trade in food and food articles, manufacture of wood and wood products.	Non household manufacturing (94%) other services (95%) Transport, Storage and Communications (61%)	High level of growth as seen from growth in non household manufacturing (94%) and other services (95%).	Highest percentage of Agriculture laborers (37%) in the state. Increase in Agriculture Allied sector by 24% (more than 80% of the districts show a negative trend in this sector).

**EL-13- LIVELIHOOD PROFILE OF MADHYA PRADESH**

District	Major Occupation	Other Occupation	Significant Non Agricultural Occupation in 1981	Significant Non Agricultural Occupation in 1991	Occupation with significant Decadal Growth Rates <sup>2</sup>	Status of manufacturing	Observations
Shahdol	Cultivation (55%) and Agricultural labour (25.4%)	Other Services (6.1%)	Coal mining, Construction education	Coal Mining, Public Administration and defence services, Educational services , Retail trade in Food and food articles	Other services (114%) Trade and Commerce (55%)	Moderate growth as seen from growth in non household manufacturing (35%) and other services (114%)	Increase in marginal workers by 58%. Much of this increase is among the female marginal workers 5.6% (20,370) of the total population of Children are employed as main workers.
Sidhi	Cultivation (60%) and Agricultural labour (24%)	Other services (5.3%)	Construction	Coal mining , public Administration and defence services , Educational services, Manufacture of Leather and leather products, Retail trade in food and food articles , construction Manufacture of Wood an wood products	Mining (207%), Non household manufacturing (79%) trade and commerce (97%), Transport storage and communication (146%) and other services (149%)	High level of growth as seen from growth in non household manufacturing (79%) and other services (149%)	Increase in marginal workers by 1111%. Much of this increase is among female marginal workers. 5.6% (20,921) of the total population o Children are employed as main workers.
Mandsaur	Cultivation (59%) and Agricultural labour (19.5%)	Other services (6.1%) Trade and Commerce (5.7%)	Livestock Production , Manufacture of Food Products, land Transport public Administration and Defence services , Education	Retail trade in Food and Food articles , Land Transport Public Administration Defence services Construction , Educational services, Unclassified services .	Construction (68%) Mining (61%) and Agricultural labour (47%)	Low growth as seen from growth in non household manufacturing (35%) and other services (39%)	Increase in construction labour among urban male 7.4% (28,870) of Children are employed as main workers.
Ratlam	Cultivation (55%)and agricultural labour (18%)	Other services (7.4%), Trade and Commerce (6.7%)	Manufacture of Food Products , Land Transport, Public Administration and Defence Services.	Land Transport , Retail trade in food and food articles Construction, Public Administration and defence services , Educational services Personal services,	Construction (154%) trade and Commerce (52%)	Low growth as seen from growth in non household manufacturing (37%) and other services (28%)	Increase in Female main workers by 68%. Mach of this increase is in the from of 95% increase in rural female cultivators . Increase in agriculture allied sector by 32% 8.3% (20,838) of Children are employed as main workers.
Ujjain	Cultivation (40.8%) and Agricultural labour (30.8%)	Other services (10.8%), non household manufacturing (9.3%).Trade and Commerce (7.2%)	Livestock Production Manufacture of Cotton Textiles, wool and Food products , Land Transport Public Administration and defence services , Education	Public Administration and Defence services, Manufacture of Cotton Textiles Unclassified services , Retail trade in Food and food articles Land Transport educational services Construction.	Construction (129%) Other services (54%)	Low growth as seen from growth in non household manufacturing (6%) and other services (54%)	Increase In construction labour by 129% This increase in mainly among the urban male Decline in household manufacturing by 30% Decline in Agriculture Allied sector by 32%
Shajapur	Cultivation (50%) and Agricultural labour (30.8%)	Other services (5.7%)	Livestock Production	Retail trade in food and food articles Livestock Production , Construction Educational services , Public Administration and defence services Unclassified services .	Construction (100%) Trade and Commerce (48%), Transport storage and Communication (65%) and Other services (46%)	Low growth as seen from growth in non household manufacturing (33%) and other services (46%)	Increase in female main workers by 53% much of this increase is in the form of increase in rural female cultivators. Decline in Agriculture Allied sector by 33%
Dewas	Cultivation (43.5%) and Agricultural labour (31.8)	Other services (7.6%) Non household manufacturing (7.1%)	Livestock Production	Public Administration and Defence service, Retail trade in Food and food articles Unclassified services, Educational services, Personal services Land Transport.	Non-household manufacturing (57%) Construction 53%) Trade and Commerce (44%) Transport storage and Communication (78%) and other services (74%).	High growth as seen from growth in non household manufacturing (57%) and other services (74%).	Decline in Agriculture Allied sector by 60% in the highest in the state.

### EL-13 LIVELIHOOD PROFILE OF MADHYA PRADESH

District	Major Occupation	Other Occupation	Significant Non Agricultural Occupation in 1981	Significant Non Agricultural Occupation in 1991	Occupation with significant Decadal Growth Rates <sup>2</sup>	Status of manufacturing	Observations
Jhabua	Cultivation (84%)	Agriculture labour (5.9%)	Educational and Research services.	Educational service Public Administration and defence services Retail trade in food and food articles Construction.	Construction (92%) Non Household Manufacturing (49%) Trade and Commerce (55%)	Low growth as seen from growth in non household manufacturing (49%) and other services (39%).	Increase in marginal workers by 82% much of this increase is in the form of increase in female marginal workers. Decline in Agriculture Allied sector by 34% 15.2% of the Children are employed as main workers.
Dhar	Cultivation (59%) and Agricultural labour (24%)	Other services (15.3%)	Manufacture of food Products	Retail trade in Food and Food articles, Unclassified services Educational services, Public Administration and defence services, Land Transport Construction	Non household manufacturing (230%) Construction (184%) Trade and Commerce (52%) Transport storage and Communication (77%) and other services (52%)	High growth as seen from growth in non household manufacturing (230%) and other services (52%)	Increase in construction labour by 184% Decline in household manufacturing by 35% 8.7% (33,730) of the Children are employed main workers.
Indore	Other Services (20%) and Cultivation (18.5%)	Non Household manufacturing (17.5%) Agricultural labour (15%) Trade and Commerce (54%)	Manufacture of Food Products, Cotton Textiles Textile Product, wood Product metal Product Repair Construction manufacture of food Product Textile Household utilities others restaurants and Hotels land Transport Public Administration and Defence services, Education and Research services Personal services Unclassified services.	Public Administration and Defence Services, Land Transport, Unclassified services, Retail trade in food and food articles, Manufacture of Cotton Textiles, Personal Services Retail trade in Others.	Construction (101%) Trade and Commerce (54%), Other services. (58%)		Decline in Household manufacturing by 28% Increase in construction labour by 101%
Khargone	Cultivation (55%) and Agricultural labour (28.8%)	Other Services (5.3%)	Manufactures of Food Products, Education and Research services, Education	Retail trade in Food and Food articles, Public Administration and Defence services, Educational services land Transport Personal Services construction	Construction (83%) Transport, storage and Communication (79%)	Low growth as seen from growth in non household manufacturing (39%) and other services (43%)	Decline in household manufacture by 23% 9.8%(54,490) of the total child population are employed as main workers.
Khandwa	Cultivation (41.5%) and Agricultural labour (33.3%)	Non household manufacturing (6.8%) other services (6%)	Manufacture of Cotton Textiles, Manufacture of Food Products, Land Transport, Public Administration and Defence services, Education	Manufacture of Cotton Textiles, Retail trade, in Food and food articles, Land Transport, Construction, personal services, Public Administration and defence service	Construction (108%) Transport Storage and Communication (56%)	Low growth as seen from growth in non household manufacturing (1%) and Other services (33%)	Increase in construction labour by 108% 8.5% (32,370) of the total child Population are employed as main workers.
Rajgarh	Cultivation (58%) and Agricultural labour (21.4%)	Other services (5.7%)	Livestock Production	Livestock Production, Retail trade in food and food articles, public Administration and Defence services, Construction Personal Services, Manufacture of Wood and wood products.	Construction(77%) Transport, Storage and Communication (89%) Trade and Commerce (59%) Other services (48%)	Low growth as seen from growth in non household manufacturing (41%) and other services (48%)	Increase in marginal workers by 87%. Much of this increase is among female marginal workers. Increase in construction labour by 77% 7.2% of children are employed as main workers.

### EL-13 LIVELIHOOD PROFILE OF MADHYA PRADESH

District	Major Occupation	Other Occupation	Significant Non Agricultural Occupation in 1981	Significant Non Agricultural Occupation in 1991	Occupation with significant Decadal Growth Rates <sup>2</sup>	Status of manufacturing	Observations
Vidisha	Cultivation (43.5%) and Agricultural labour (33.3%)	Other services (7.6%) trade and Commerce (5.6%)	Manufacture of Food Products Education and Research services	Retail trade in food and food articles , Educational services Public Administration and defence Classified services Personal services Construction Land Transport	Agricultural labour (53%) Mining (72%) Trade and Commerce (55%)	Low growth as seen from growth in non household manufacturing (14%) and other services (34%)	Increase in female main workers by 109%. Much of this increase is among female cultivators and female agricultural laborers
Bhopal	Other services (27.8%) Trade commerce (10%)	Non Household manufacturing (14.5%) Construction (8.8%) Cultivation (13.6%)	Electrical Machinery Repair Construction Manufacture of Food Products, Land Transport, Public Administration and Defence services , Education Unclassified services	Public Administration and Defence Services Construction, Land Transport Unclassified services Manufacture of Machinery and tools and Parts retail trade in food and food articles Trade in Others.	Construction (189%)Transport, storage and Communication (64%) Trade and Commerce (106%) Other services (63%), Agriculture and Allied (45%).		Increase in marginal workers by 75%. Much of this increase is among n female main workers by 70% Much of this increase is in the category Other services Increase in Agriculture Allied sector By 45% (Highest in the state) Decline in Household manufacturing by 59% Increase in construction by 189%
Sehore	Cultivation (49.8%)and Agricultural labour (30.7%)	Other services (7.1%)	Manufacture of Metal Product, Pottery and Ceramics , Construction Manufacture of Food Products, Public Administration and Defence service Education, Personal services Unclassified services.	Public administration an Defence service, Retail trade in food and food articles Educational services Construction, Unclassified services , Land Transport Personal services.	Construction (68%) Transport, Storage and Communication 77%) Trade and Commerce (67%) Other Services (55%).	Low growth as seen from growth in non household manufacturing (28%) and other services(55%)	Increase in female main workers by 75% Much of this increase in among female cultivators and female agricultural laborers. Decline in Agriculture and Allied sector by 55%.
Raisen	Cultivation 39%) and Agricultural labour (37.6%)	Other services (7%) Non household manufacturing (5.3%)	Pottery and Ceramics	Retail trade and food articles Manufacture of Beverages , Tobacco and tobacco Products educational service , Public Administration and Defence services , Personal services Construction	Non-household manufacturing (127%) Trade and Commerce 73%) Other Services (46%).	Moderate growth as seen from growth in non household manufacturing (127%), Other services (46%)	
Betul	Cultivation (56.8%) Agricultural labour (24.2%)	Other services (6.1%)	Coal Mining Construction	Coal mining, Public Administration and defence services , Educational services Construction Retail trade in Food and Food articles , land Transport , Personal services.	Non household manufacturing (43%) other services (57%)	Low growth as seen from growth in non household manufacturing (43%) and Other services (57%).	Decline in Agriculture and allied sector by 34% 11.2% (33.534) of the children are employed as main workers.
Hoshangabad	Cultivation (36.4%) and Agricultural labour (32.7%)	Other services (10.2%) Trade and Commerce (6.1)	Manufacture of food Products land Transport Public Administration and Defence services . Education.	Public Administration and Defence services, land Transport , Retail trade in food and food articles, construction, educational services , Personal services .	Other services. (54%)	Low growth as seen from growth in non household manufacturing (26%) and Other services (54%)	Increase in marginal workers by 78% Much of this increase is among female marginal workers.

### EL-13 LIVELIHOOD PROFLE OF MADHYA PRADESH

District	Major Occupation	Other Occupation	Significant Non Agricultural Occupation in 1981	Significant Non Agricultural Occupation in 1991	Occupation with significant Decadal Growth Rates <sup>2</sup>	Status of manufacturing	Observations
Jabalpur	Cultivation (29%) and Agricultural labour (24.7%)	Other services (12.6%) Non household manufacturing (12.5%) Trade and commerce (8.6%)	Other mining beverages, Textiles Product wood product , Pottery and Ceramics Machinery Transport Repair Construction , Manufacture of Food Products Land Transport , Education Unclassified services	Public Administration and defence services Manufacture of beverages Tobacco and tobacco product, land Transport Retail trade in Food and food articles , Education services.	Agriculture Allied (41%) Trade and Commerce (53%) Other services (49%)	Low growth as seen from in non household manufacturing (6%) and other services (49%)	Decline in household manufacturing by 35%
Narsimhapur	Cultivation (39.8%) and Agricultural labour (39%)	Other services (7%)	Manufacture of food Products	Retail trade in food and food articles Public Administration and defence services , Educational services , Personal services Manufacture of wood and wood products, Unclassified services.	Other service	Low growth as seen from growth in non household manufacturing (-3%) and other services (48%).	Increase in marginal workers by 72%. Much of this increase is among female marginal workers
Mandla	Cultivation (65%) and Agricultural labour (24.3%)	Other services (4.4%)	Education and Research services, Education	Public Administration defence service educational services , Retail trade in food and food articles , Manufacture of wood and wood products	Non household manufacturing (112%) Trade and Commerce (43%) other Service (48%)	High growth as seen from growth in non household manufacturing (112%) and other services (48%)	Decline in household manufacturing by 24% Decline in Agriculture Allied by 26% 8.5% (26,220) of the children are employed as main workers.
Chhindwara	Cultivation (50%) and Agricultural labour (26%)	Other services (7.8%)	Coal Mining, Manufacture of Textiles Product, Manufacture of food Products, land Transport, Education	Coal Mining, Public Administration and Defence Services, Educational services, Retail trade, In Food and food articles , personal services Construction.	Construction (83%) Trade and Commerce (49%) other services (91%)	Low growth as seen from growth in non household manufacturing (17%)	Increase in Marginal workers by 105%. Much of this increase in among female marginal workers. Decline in Agriculture Allied by 33% Increase in Construction labour by 83% 7.9% (31,200) of the children are employed as main workers.
Seoni	Cultivation (52%) and Agricultural labour (33.8%)	Other services (5.4%)	Manufacture of Food Products, Public Administration and Defence services.	Education services, Public Administration and Defence services, Retail trade in food and food articles, Personal services Land Transport.	Other services (42%) Trade and Commerce (41%)	Low growth as seen from growth in non household manufacturing (11%)	Decline in Household manufacturing by 25% 8.2% (20,525) of the children are main workers.
Balaghat	Cultivation (52.8%) and Agricultural labour (27.5%)	Other Services (05%)	Metal ore Mining Beverages, Manufacture of Food Products	Manufacture of Beverages Tobacco and tobacco products, Manufacture beverages Tobacco product retail trade in food and food article Public Administration and Defence Services , 13 Personal services, Manufacture of Wood and wood products.	Non household manufacturing (65%)	Moderate growth as seen from growth is non household manufacturing (65%) and Other services (39%)	Decline in household manufacturing by 36%
Sarguja	Cultivation (66.5%) and Agricultural labour (17%)	Other services (5.2%)	Coal Mining Education	Coal Mining, Educational services, Public Administration and defence service, Retail trade in food and food articles	Non household manufacturing (60%) trade and commerce (55%), Other Service (88%)	High growth as seen from growth in non household manufacturing (60%) and other services (88%)	Decline in Household manufacturing by 32% Increase in marginal workers by 50% Much of this 6.9% (34,270) of the Children are employed as main workers.

### EL-13 LIVELIHOOD PROFILE OF MADHYA PRADESH

District	Major Occupation	Other Occupation	Significant Non Agricultural Occupation in 1981	Significant Non Agricultural Occupation in 1991	Occupation with significant Decadal Growth Rates <sup>2</sup>	Status of manufacturing	Observations
Bilaspur	Cultivation (55%) and Agricultural labour (24.6%)	Other services (6.4%)	Livestock Production Coal Mining Wood Product Basic Metal Repair Electricity construction manufacture of Food Products land Transport Public Administration and Defence Services, Education, Personal services, Unclassified services.	Public Administration and Defence service, retail trade food and food articles Educational services , Land Transport Construction, Coal mining.	Non household manufacturing (45%) trade and Commerce (82%) Other service (71%).	Moderate growth as seen from growth in non household manufacturing (45%) and other services (71%)	Increase in marginal workers by 33% Much of this increase in among female marginal workers Decline in Household manufacturing by 32% 44,452 of the Children are main workers.
Raigarh	Cultivation (60.4%) and Agricultural labour (24.2%)	Other services (5.5%)	Education	Educational services, Public Administration and defence service ,Retail trade in food and food articles, Manufacture of wood and wood products .	Trade and Commerce (45%), Other service (69%)	Low growth as seen from growth in non household manufacturing (19%) and other services (69%).	6.5% (25,290) of Children are employed as workers.
Rajnandgaon	Cultivation (63.3%) and Agricultural labour (20.3%)	Other services (4.6%)	Livestock Production, Cotton Textiles, Public Administration and defence service.	Retail trade in food and food articles , Education services personal services livestock production , public Administration and defence service, land Transport	Trade and Commerce (152%)	Low growth as seen from growth in non household manufacturing (27%) and other service (38%)	9.4% (32,520) of the Children are employed as main workers.
Durg	Cultivation (43.3%) and Agricultural labour (25%)	Non household manufacturing (9.9%) other services (8.1%)	Livestock Production, Metal ore Mining Basic Metal Repair Construction Manufacture of Food Products, Land Transport Public Administration an Defence service , Personal services Unclassified service.	Basic metal and alloys Industries, Construction, Land Transport, Pubic Administration and defence services Educational services Personal services.	Trade and Commerce (65%), Other service (64%) other service (64%) transport storage and Communication (155%)	Low growth as seen from growth in non household manufacturing (14%), and other service (64%)	Growth in Agriculture Allied sector by 18% Manufacture of wood and wood products 327 of children are main workers.
Raipur	Cultivation (49.3%) and Agricultural labour (28.8%)	Other service (5.7%)	Livestock Production manufacture of Food Products, Beverages , Textile Product wood product pottery and ceramics, Repair Construction, Manufacture of Food products other restaurants and hotel land Transport, Public Administration and defence services , unclassified services.	Retail trade in food and food articles , land Transport Public Administration and Defence service , Personal service, Educational services.	Mining (74%), Trade and Commerce (62%) other service (40%)	Low growth as seen from growth in non household manufacturing (43%) and Other services (40%).	6.1% (56,56,878) of Children are main workers.
Bastar	Cultivation (73.2%) and Agricultural labour (14.7%)	Other services (4.7%)	Construction , Public Administration and defence services , Education .	Educational service , Public Administration and defence services , Retail trade in food and food articles, Construction.	Other services (76%)	Low growth as seen from growth in non household manufacturing (27%)	Increase in marginal workers by 56% much of this increase is among female marginal workers. 13.4% (67,042) of children are employed as main workers.