

## ECONOMIC BASE AND EMPLOYMENT

### 3.1 WORK CENTRES

The major areas in Sangli which act as the formal and informal work centers are Vakharbagh, Harbhat road, Shivaji vegetable market, Peth bhag area, Maruti Mandir road, ST Stand area, Rajwada chowk, Vasant Dada market yard area, vegetable and Fruit market in peth bhag, Chandani chowk weekly market area, timber market and Vasant dada Sugar Factory and Industrial area.

In Miraj the areas like Laxmi market, area along Shaniwar peth road, Timber market area in Miraj, ST stand road, weekly market at Datta chowk, Shastri chowk, Marathe industrial estate, Marathe textile mills and Miraj MIDC works as formal and informal work centers for Miraj. Numerous hospitals (especially large hospitals such as Wanless (Mission) hospital) in Miraj also act as significant work center in Miraj.

Within the municipal corporation limits in Kupwad formal work centers are negligible except Bharat Sut Girni. Only informal work centers along Sangli Kupwad road and some places near the dargh exist. But within the vicinity of 5 km the kupwad MIDC area is forms as the major formal work center for kupwad residents.

Various industrial activities in SMKMC area includes handicrafts in brass and copper, manufacturing of biddies, handicrafts in leather, miscellaneous small industries with or without power such as handloom or power looms, toilet medicinal or herbal preparations, manufacture of tapes and ropes, iron and steel processing industries, tobacco refining and refining of turmeric, ginning and pressing of cotton, textile mills etc.

### 3.2 WORK FORCE PARTICIPATION IN SMKMC AREA

The total number of workers engaged in various aspects in the municipal corporation area in 1991 is 110902. The work force participation in 1991 for SMKMC area is 31.51%.

**Table 3.1 Work force participation in SMKMC area (1991)**

	<b>Work force Participation (%)</b>
Sangli	32.26
Miraj	29.39
Kupwad	34.96
Wanleswadi	31.28
SMKMC	31.51

Source: District Census Handbook, Sangli District.

### 3.3 DISTRIBUTION OF WORKERS

In Sangli Miraj Kupwad municipal corporation area, out of total working population 20.93% are main worker, 1.58% are a marginal worker and rest are non-worker.

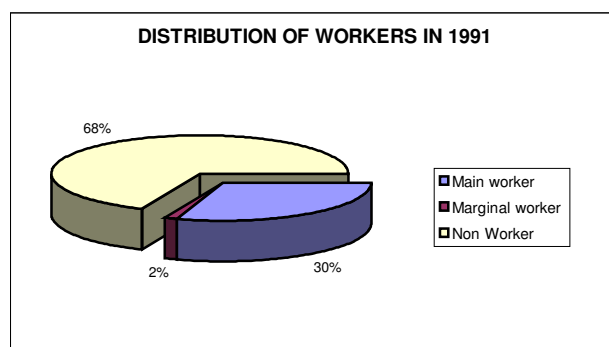
**Table 3.2: Distribution of workers in SMKMC area**

	Main worker		Marginal Worker		Non Worker	
	No.	%	No.	%	No.	%
<b>Sangli</b>	58871	30.47	3453	1.79	130873	67.74
<b>Miraj</b>	34136	28.07	1603	1.32	85854	70.61
<b>Kupwad</b>	11140	33.44	506	1.52	21667	65.04
<b>Wanleswadi</b>	1182	30.99	11	0.29	2621	68.72
<b>SMKMC</b>	105329	29.93	5573	1.58	241015	68.49

Source: District Census handbook, Sangli District.

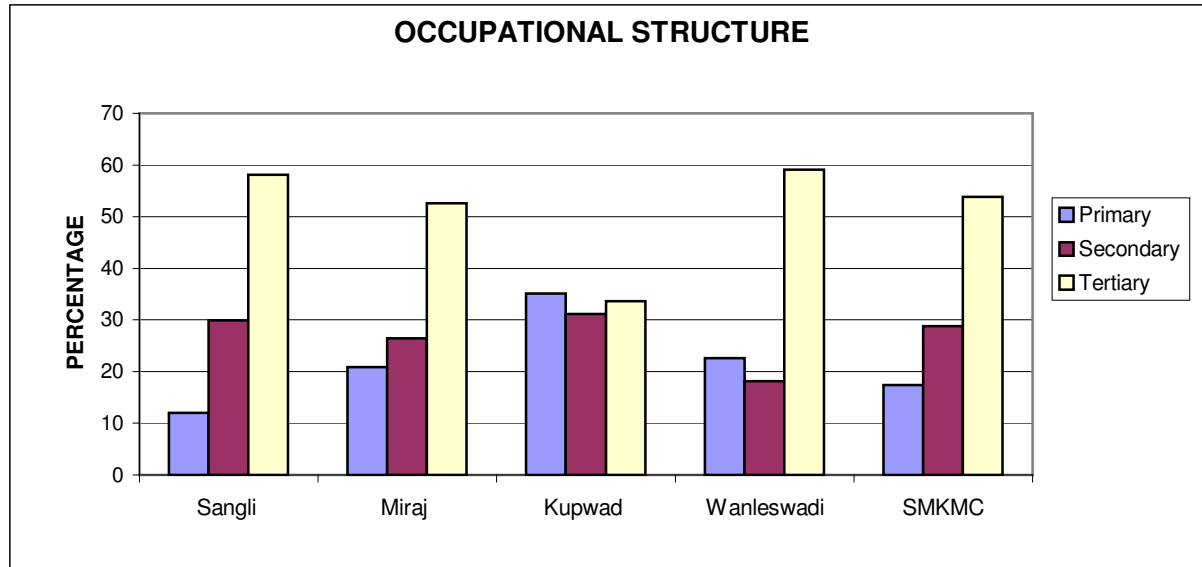
### 3.4 OCCUPATIONAL STRUCTURE IN SMKMC AREA

More than 50% of work force in Sangli Miraj Kupwad Municipal Corporation is engaged in tertiary sector followed by 29% in secondary sector, which indicates that working force is mostly engaged in trade and commerce, manufacturing, processing and other services sector.



**Table 3.3: Occupational structure in SMKMC area (1991)**

	Primary	Secondary	Tertiary
Sangli	11.98	29.89	58.13
Miraj	20.92	26.49	52.59
Kupwad	35.15	31.22	33.63
Wanleswadi	22.67	18.19	59.14
SMKMC	17.45	28.80	53.76



### 3.5 DISTRIBUTION OF MAIN WORKERS IN SMKMC AREA

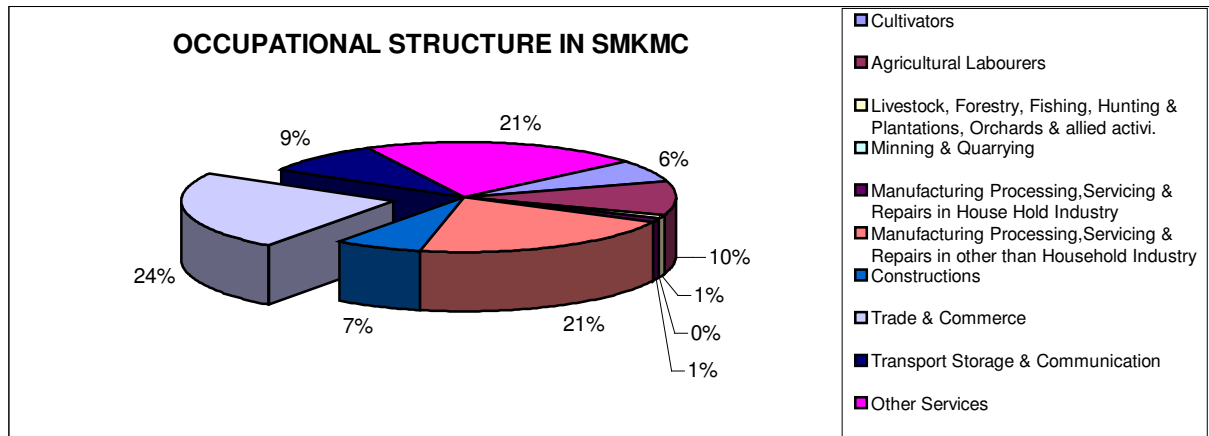
About 24 % of the work force is engaged in trade and commerce followed by Manufacturing, Processing, Service & Repairs done other than household industry (21%) and also the other service sector (21%). This indicates that more than half of the work force belongs to tertiary sector and the major occupation of the people in SMKMC area is trade and commerce. A very small percentage of population is engaged in Agriculture. These are mainly in Sangliwadi and outer areas of Sangli, Miraj, and Kupwad. About 10 % of work force in SMKMC area is agriculture based. In Kupwad, about one fourth of the work force is in agriculture.

**Table 3.4: Distribution of main workers in SMKMC area.**

Category		Sangli	Miraj	Kupwad	Wanleswadi	SMKMC
Cultivators	No.	2554	3188	778	74	6594
	%	4.34	9.34	6.98	6.26	6.26
Agricultural Laborers	No.	3945	3655	2953	182	10735
	%	6.70	10.71	26.51	15.40	10.19
Livestock, Forestry, Fishing, Hunting & Plantations, Orchards & allied activities	No.	494	285	181	12	972
	%	0.84	0.83	1.62	1.02	0.92
Mining & Quarrying	No.	59	14	4	0	77
	%	0.10	0.04	0.04	0.00	0.07
Manufacturing Processing, Servicing & Repairs in House Hold Industry	No.	678	387	139	20	1224
	%	1.15	1.13	1.25	1.69	1.16

Category		Sangli	Miraj	Kupwad	Wanleswadi	SMKMC
Manufacturing Processing, Servicing & Repairs in other than Household Industry	No.	12400	6913	2676	106	22095
	%	21.06	20.25	24.02	8.97	20.98
Constructions	No.	4517	1741	663	89	7010
	%	7.67	5.10	5.95	7.53	6.66
Trade & Commerce	No.	15708	7496	1216	143	24563
	%	26.68	21.96	10.92	12.10	23.32
Transport Storage & Communication	No.	5290	3499	518	158	9465
	%	8.99	10.25	4.65	13.37	8.99
Other Services	No.	13226	6958	2012	398	22594
	%	22.47	20.38	18.06	33.67	21.45
Total		58871	34136	11140	1182	105329

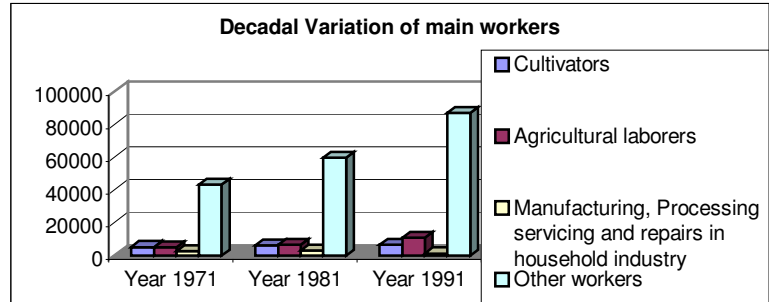
Source: District Census Handbook, Sangli District

**Table 3.5: Variation in number of main workers in the last three decades in Sangli Miraj Kupwad municipal corporation area.**

	Year 1971	Year 1981	Year 1991	Decadal Increase (1971-81)	Decadal Increase (1981-91)	% Increase (1971-81)	% Increase (1981-91)
Cultivators	5121	5974	6594	853	620	16.6	10.4
Agricultural laborers	4786	6575	10735	1789	4160	37.3	63.3
Manufacturing, Processing servicing and repairs in household industry	2552	2937	1224	385	-1713	15.0	-58.3
Other workers	43065	59729	86871	16664	27142	38.6	45.4

Source: District Census Handbook, Sangli District

There is a steady increase in the population of cultivators during 1971 to 1981 but there is a decline in decadal growth from 16.6 % to 10.4%. In case of agricultural laborers there is sharp increase although the percentage of agricultural laborers is very less. In 1971 to 1981 % increase is 37.3 % and it has increased up to 63.3 %.



There is significant decrease in household industry in 1981-91. Percentage decrease is about 59%. So it is expected that only very small percentage of H/h industry now exists. There is a steady increase in the population of other workers. It includes manufacturing, processing, service other than household industry, trade and commerce, construction and others. From 1971 to 1981 percentage increase is 38.6% and it has increased to 45.4 % in the next decade.

### 3.6 EMPLOYMENT IN SECONDARY & TERTIARY SECTORS

Employment in formal and informal sectors has been computed in the following paragraphs. This excludes employment in the primary sector. About 75525, say 75500 workers find employment in these, as worked out in the following paragraphs.

#### 3.6.1 Employment In Formal Sector

##### Industries In Sangli Miraj Kupwad Municipal Corporation Area

Total area of MIDC area in Sangli Miraj Kupwad Municipal Corporation area is 166 Hectare. Number of plots allotted is 501 and the area of plot ranges from 500 to 4800 sq. m. There are 262 working units and these are mainly engineering industries and there is no problem of effluent.

As per discussions with MIDC officials' average number of employee per industry is taken as 10 nos.  
Total employee in industries of MIDC –  $10 \times 262 = 2620$

##### Marathe Industrial Estate

There are 36 working units in Marathe Industrial estate and these are mainly engineering units. As per the discussion with officials the average employee in industrial area is taken as 10.  
Total employee in Marathe Industrial Estate –  $10 \times 36 = 360$

##### Vasant Dada Industrial Estate, Sangli

There are 98 industries in this industrial estate. Approximate number of workers =  $10 \times 98 = 980$

##### Vasantdada Cooperaive Sugar Mill

This sugar mill, which has the distinction of being the largest in Asia, employs about 1500 workers.

### **Kupwad Industrial Area**

*Although Kupwad industrial area is not included in the SMKMC area it comes in close vicinity of Kupwad and employment is generated for the people of Sangli, Miraj and Kupwad.*

*There are 372 units in Kupwad industrial area of which 363 units are in working conditions. The type of industries include engineering, chemical, fabrication, fertilizers, food and bakery, foundry/casting, hospital equipments, cold storage, poultry, textile, and miscellaneous.*

As per discussions with MIDC officials' average number of employee per industry is taken as 10 nos.

Total employee in Kupwad MIDC area –  $10 * 363 = 3630$

Total employment generated due to industrial area is  $2620 + 360 + 980 + 1500 + 3630 = 9090$

### **Persons Employed In Banks**

In Sangli Miraj Kupwad Municipal Corporation, there are 137 banks. As per District Census hand book number of employee per thousand population is taken as 14. Distribution of employee in bank is given below:

Distribution of staff

Higher-level staff – 02

Middle level staff – 08

Lower level staff - 04

Total number of persons employed in bank –  $14 * 137 = 1918$  i.e., App. 2000

### **Persons Employed In Education Sector**

#### **A) Number Of Employee In Primary Schools**

Total number of primary schools in Sangli Miraj Kupwad Municipal Corporation area is 162. And based on sample survey done average number of employee per school is 18. Distribution of staffs in primary school is given ahead.

Distribution of staff:

Number of teachers per school – 9

Number of other staff per school – 9

Total staff per school – 18

Total number of person employed in primary schools –  $18 * 162 = 2916$  i.e. app. 3000 persons

#### **B) Number Of Employee In High Schools**

Total number of high schools in Sangli Miraj Kupwad Municipal Corporation area is 60. And based on sample survey done the average number of employee per school is 36. Distribution of staffs in high school is given below

Distribution of staff:

Number of teachers per school – 16

Number of other staff per school – 20

Total staff per school – 36

Total number of person employed in high schools –  $36 * 60 = 2160$  i.e., app. 2200

#### **C) Number Of Employee In Colleges**

Total number of colleges in Sangli Miraj Kupwad Municipal Corporation area is 29. And as per the sample survey done the average number of employee per school is 55. Distribution of staffs in colleges is given below

Distribution of staff:

Number of teachers per college – 25

Number of other staff per college – 30

Total number of staff per college – 55

Total number of persons employed in colleges –  $55 \times 29 = 1595$  i.e., app. 1600

*Total number of employee in education sector =  $3000 + 2200 + 1600 = 6800$*

### **Person Employed In Health Sector**

Total number of medical facilities in Sangli Miraj Kupwad municipal corporation area is 348 out of which, 163 are having beds. For 163 hospitals having bed, distribution of staff is as follows:

Distribution of staff

Doctors per hospitals – 04

Additional staff per hospitals – 16

Total number of staff per hospitals – 20

Total number of persons employed in hospitals having beds –  $20 \times 163 = 3260$

i.e., about 3500

Total number of medical facilities except those having beds is 185. Total number of staff per medical facility is 5. Distribution of employee in medical facility is given below:

Distribution of staff:

Doctors per medical facility – 1

Additional staff per medical facility – 4

Total number of employee –  $5 \times 185 = 925$  i.e., about 1000

*Total number of staff in health sector -  $3500 + 1000 = 4500$  i.e., about 5000*

### **Persons Employed In Vegetable Market**

Location and number of sellers in vegetable markets in Sangli and Miraj is given in table below. Total number of sellers in Sangli is 4425 and in Miraj is 7000. So total number of sellers in vegetable markets of SMKMC area is about 12000. Accounting 20% for repetitive sellers, actual number of sellers would be about 9600 persons.

**Table 3.6 Location and number of sellers in Sangli**

Sr. No	Market/days	Location	No. of Sellers
1	Shaniwar	a. Jhansi chowk-Panjarpole Tanaji chowk-Maitrin shop	750
		b. Govt.Colony (MSEB, V'Bag)	175
2	Raviwar	a. Mutton market (Khanbagh)	350-400
		b. Vishrambag 100 ft. Rd.	400
3	Somwar	a. Vadar colony (Near Station) b. Shamaraonagar	300-350
4	Mangalwar	a. Hudco colony, Gandhi colony	500

		b. Sangliwadi (Near CKPawar, corporator's house)	150
5	Budhwar	A Sanjay nagar (100ft.Rd.)	325
		b. Ganesh nagar (Swimming Pool)	350-400
6	Guruwar	Chandni chowk	650-700
7	Shukrawar	a. Laxmi Mandir	100
		b. Panchshil nagar (Near Shantiniketan school)	175

Total number of vegetable sellers in Sangli

$$= 750 + 175 + 400 + 400 + 350 + 500 + 150 + 325 + 400 + 700 + 100 + 175$$

$$= 4425 \text{ i.e., app 4500}$$

**Table 3.7 Location and number of sellers in Miraj**

Sr. No	Market/days	Location	No. of Sellers
1	Shaniwar	Shastri Chowk, Koli Galli	2000-3000
2	Raviwar	a) Chatre Photo to Bhanu Talim b) Guruwar peth to Agrawal Home Par Katta	100-125 200-250
3	Somwar		
4	Mangalwar	Shivaji Putala to Zari Masjid	800-1000
5	Budhwar	Gadawe Chowk to Kokane Galli	1800-2000
6	Guruwar		
7	Shukrwar	Tasgaon ves to Karmavir Bhaurao Patil Chowk	500-600

Total number of vegetable sellers in Sangli

$$= 3000 + 125 + 250 + 1000 + 2000 + 600$$

$$= 6975 \text{ i.e., app 7000}$$

Total number of vegetable sellers in SMKMC Area

$$= 4500 + 7000 = 11500 \text{ i.e., about 12000}$$

#### **Person Employed In Vasant Dada Market Yard**

Total number of merchants – 825

Total number of commission agent – 750

Total number of Diwanji (clerk) – 400

Hamaal – 1117

Bailgadiwala – 62

Brokers – 16

Weigh men – 124

There are 13 banks and about 15 people are employed per bank. So total number of person employed in Banks in Vasantdada market yard is 195

Total number of persons employed in Vasantdada Market Yard is 3489

#### **Vishnuanna Patil Vegetable And Fruit Market**

Total Number of Owner-84

Total Number of Diwanji-84

Total Tolaidar-23



Total Hamaal-43  
 Persons working in Restaurant-10  
 Office staff of Market yard-30  
 Contract sweepers-6

There is only one bank in the market, Vasantdada Shetkari Shakari bank Ltd which has 6 persons are working. Total quantity of vegetables and fruits that come to Vishnuanna Patil market is 57,000 quintals/month. The transactions of Rs. 10.9 lacs/day takes place in the market and monthly transactions reaches the figure of Rs.3.5 crores /month.

Total number of persons employed in Vishnuanna Patil Vegetable and Fruit market is 286

#### **Retail Traders In Sangli Miraj Kupwad Municipal Corporation Area**

Total number of traders in Sangli Miraj Kupwad Municipal Corporation is 10750 and number of employee per shop is 02. Total number of person employed is about 22000.

**Table 3.8: Number of retail traders in Sangli Miraj Kupwad municipal corporation area**

S. No	Type of trade	Approximate number
1	Kirana	5000
2	Stationary	1000
3	Cloth	1000
4	Readymade	800
5	Shoes	300
6	Electronics	100
7	Jewellery shops	100
8	Book stalls	150
9	Cyber café	75
10	Computer institution	25
11	STD booth	200
12	Others	2000
	Total	10750

Total number of retail traders – 10750

Number of employee per shop – 02

Total number of person employed –  $10750 \times 2 = 21500$  i.e., app. 22000

#### **3.6.2 Employment In Informal Sector**

Around 9100 workers are employed in informal sector, which includes Khokhas and auto rickshaw drivers.

##### **Authorickshaw**

Total number of Auto rickshaw as per auto driver association is app. 2700. So the number of people employed in informal transport sector is 2700

##### **Informal Shopping**

There are about 7000 khokhas in SMKMC area, the details of which are discussed at length in Informal shopping under Social Infrastructure (Chapter X).

Average number of persons working in each khoka = 1.2 (taking into account extra workers in service Khokhas)

Total number of persons working in Khokas =  $1.2 \times 7000 = 8400$

Other which includes rahariwalas, pathari walas etc = 10% of total khokas = 700

### 3.7 PROJECTION OF MAIN WORKERS

For computing the projected main worker population, the decadal variation of main workers is calculated. Taking the average increase, workers population in the year 2021 is calculated as 199966, say 200000 workers.

**Table 3.9: Projected population of main worker in the year 2021**

	Decadal Increase (1971-81)	Decadal Increase (1981-91)	$W_{2001} = W_{1991} + (AN)$	$W_{2011} = W_{2001} + (AN)$	$W_{2021} = W_{2011} + (AN)$
Cultivators	853	620	7214	7834	8454
Agricultural laborers	1789	4160	14895	19055	23215
Manufacturing, Processing servicing and repairs in household industry	385	-1713	There is significant decrease in household industry in 1981-91. So it is expected that only very small percentage of H/h industry now exists		
Other workers	16664	27142	114013	141155	168297

### 3.8 TO SUMMARIZE

#### Work Centres

The major areas in Sangli which act as the formal and informal work centers are Vakharbagh, Harbhat road, Shivaji vegetable market, Peth bhag area, Maruti Mandir road, ST Stand area, Rajwada chowk, Vasant Dada market yard area, vegetable and Fruit market in peth bhag, Chandani chowk weekly market, timber market and Vasant dada Industrial area.

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#### Work Force Participation In SMKMC Area

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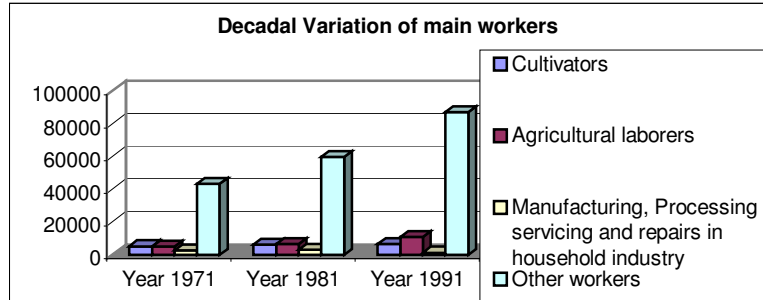
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### Distribution Of Main Workers In Smkmc Area

About 24 % of the work force is engaged in trade and commerce followed by Manufacturing, Processing, Service & Repairs done other than household industry (21%) and also the other service sector (21%). This indicates that more than half of the work force belongs to tertiary sector and the major occupation of the people in SMKMC area is trade and commerce. A very small percentage of population is engaged in Agriculture. These are mainly in Sangalwadi and outer areas of Sangli, Miraj, and Kupwad. About 10 % of work force in SMKMC area is agriculture based. In Kupwad, about one fourth of the work force is in agriculture.

There is a steady increase in the population of cultivators. From 1971 to 1981 there is percentage increase of 16.6 % and this has gone down to 10.4%. In case of agricultural laborers there is sharp increase although the percentage of agricultural laborers is very less. In 1971 to 1981 % increase is 37.3 % and it has increased up to 63.3 %. There is significant decrease in household industry in 1981-91. Percentage decrease is about 59%. So it is expected that only very small percentage of h/h industry now exists.



### Employment In Secondary & Tertiary Sectors

Employment in formal and informal sectors excluding employment has been estimated to about 75500 workers, of which about 5000 persons are estimated to be employed in health sector and 9100 persons in informal sector.

### Projection Of Main Workers

Taking the average increase, workers population in the year 2021 is calculated as 199966, say 200000 workers.