

# **MODERN MANUFACTURING ESTABLISHMENTS IN NEPAL**

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# Why Collect Data...

*“If we don't change direction soon, we'll end up where we're going.”*

# A Forewarning...

“Just because you keep weighing the pig it doesn’t necessarily mean it will grow bigger!”

# Data Intersections

Analyzing the overlapping of data type measures enables us to predict what we must do to meet the needs of all the clients they have or will have in the future.

## Triangulation

A important decision will never rely on a single data source so you need to look at multiple sources of data.

## 5 Generic Data Reflection Questions

- What do the data seem to tell us?
- What don't the data tell us?
- What else might we want to know?
- What good news is here for us to celebrate?
- What opportunities for improvement are suggested by these data?

# Relevance of Industrial Statistics 1

- Poverty reduction is the single most important objective of ours' **PERIODIC PLANS AND UN-MDG.**
- For poverty reduction, **macro economic growth** is the single most important necessary condition.
- The manufacturing sector plays the **leading role for growth** in Developing Countries.
- Industrial development is particularly important for economic prosperity because of its technological and high-value-adding nature and employment effect.

# Relevance of Industrial Statistics 2

- But not all manufacturing industries have high growth potential.
- Hence, researchers and policy makers seek potential sources of growth.
- Here, the notions of comparative advantage, competitiveness, productivity, structural change as such at the sub-sectoral level become relevant.

# **Coverage of Manufacturing Establishment in Census of Manufacturing Establishments in Nepal**

A Manufacturing Establishment  
having 10 or more persons Engaged.



# **Coverage of Manufacturing Establishment in Survey of Small Manufacturing Establishments in Nepal**

A Manufacturing Establishment  
having Less than 10 persons Engaged.

# **Definition of Industries as per Industrial Enterprise Act 2049**

- Large Industries = Having fixed assets more than Rs.10 Crore or more
- Medium Industries = Having fixed assets Rs 5 to 10 Crore
- Small Industries = Having fixed assets less than Rs. 5 Crore

# NUMBER OF ESTABLISHMENTS OF TERAJ IN PILOT MANUFACTURING SURVEY IN 1961

Table: 1 NUMBER OF MANUFACTURING ESTABLISHMENTS BY PRINCIPAL ECONOMIC ACTIVITY AND DEVELOPMENT DISTRICTS.

क्र. सं. नं. st.	कावालेयक Establishments	सकल जम्मा All Total	चावल Rice (1)	सिरी Siri (2)	बाबल Bable oil (3)	सिरी Siri (4)	सिरी Siri (5)	प्रिन्टिंग Print ing (6)
वि. विलक्षण Development Districts	हकल जम्मा: All Total	801	547	122	20	35	9	8
कावा	Jhapa	55	45	2	1	1	-	1
सुनसरी	Sunsari	29	23	-	-	-	-	2
मोरङ	Morang	79	56	9	5	8	2	3
सप्तरी	Saptari	31	24	3	-	3	-	-
सिरहा	Siraha	23	22	3	-	-	-	-
धनुषा	Dhanusa	98	61	19	-	16	-	-
महोत्तरी	Mahotari	50	37	11	-	2	-	-
सर्लाही	Sarlahi	50	31	16	-	3	-	-
रौतहट	Rautahat	34	16	16	-	-	-	-
बारा	Bara	52	37	7	1	-	1	-
परा	Paras	60	40	15	-	-	1	-
मकवानपुर	Makawanpur	4	1	-	2	-	1	-
चितवन	Chitawan	18	17	-	-	-	1	-
नवल पारासी	Nawal Parasi	25	17	3	1	-	-	-
रुपन्देही	Rupandehi	52	34	6	1	1	-	-
कपिलवस्तु	Kapilvastu	62	47	8	-	1	-	-
बाँके	Barke	39	10	8	-	-	1	2
बर्दिया	Bardia	12	11	-	1	-	-	-
झुलाली	Zhulali	29	17	1	3	2	1	-
कान्छनपुर	Kanchanpur	8	6	-	1	-	1	-

13/01/20

# NUMBER OF ESTABLISHMENTS OF TERAJ IN PILOT MANUFACTURING SURVEY BY YEAR OF PRODUCTION STARTED IN 1961

सारणी 3 - उद्योगकार्यालय संख्या - उत्पादन शुरू गयेको वर्ष र विकासजिला अनुसार  
Table: 3 NUMBER OF MANUFACTURING ESTABLISHMENTS BY YEAR OF COMMENCEMENT OF PRODUCTION AND DEVELOPMENT DISTRICTS. (5)

विकासजिला Devt. District	सन्तोको जम्मा All Total	0 वर्षको Years	1 वर्षको Years	2 वर्षको Years	3 वर्षको Years	4 वर्षको Years	5-9 वर्षको Years	10-14 वर्षको Years	15 वर्षको Years Over
सन्तोको जम्मा All Total	601	236	105	74	78	56	141	53	29
फाँपा	55	11	2	4	7	4	14	10	3
सुनसरी	29	7	5	2	3	3	6	3	-
मोरङ	78	11	13	10	5	3	18	9	6
सप्तरी	31	14	5	2	-	2	7	2	1
सिरहा	23	7	2	11	1	1	3	-	-
धनुषा	26	44	20	9	7	4	9	3	3
महोत्तरी	50	19	13	3	5	2	7	1	-
सर्लाही	50	32	7	-	3	3	8	2	-
रौतहट	54	15	4	10	2	1	2	-	-
बारा	52	27	3	5	2	5	7	-	3
पर्सा	60	15	10	3	7	3	11	4	7
पञ्चानपुर	4	-	1	-	1	-	1	1	-
चितवन	18	12	2	1	3	-	-	-	-
नवलपरासी	28	9	4	1	3	1	7	1	-
रूपन्देही	52	18	5	5	4	3	16	3	-
बाँझपुर	62	56	8	3	2	3	10	1	-
सुनसरी	29	10	3	2	3	4	3	3	-
सुनसरी	12	2	-	-	-	1	6	2	1
सुनसरी	28	6	1	4	2	1	8	4	2
सुनसरी	8	3	2	-	-	-	-	3	-

13/01/2011

# ENGAGED IN 1961

[illegible]



# NUMBER OF ESTABLISHMENTS BY YEAR OF PRODUCTION STARTED IN CME 1964/65

सारणी नं:- ७ कार्यालय संख्या, जिल्ला र उत्पादन सुरु गरेको वर्ष अनुसार । [७]

क्रम संख्या	उत्पादन सुरु गरेको वर्ष जिल्ला	जम्मा कार्यालय संख्या	उत्पादन सुरु गरेको वर्ष								न० खु०
			०	१	२	३	४	५-६	१०-१४	१५ र माथी	
(१)	(२)	(३)	(४)	(५)	(६)	(७)	(८)	(९)	(१०)	(११)	(१२)
	जम्मा	१७९	२६	१८	१४	१५	१४	४४	२३	१२	१३
१	मौवा	५६	६	४	१	६	५	१३	११	५	५
२	मोवा	८३	१६	६	८	६	५	२२	१०	७	३
३	मुनसरी	३०	४	५	५	३	४	६	२	—	५

CME = Census of Manufacturing Establishments

# NUMBER OF ESTABLISHMENTS BY SIZE OF EMPLOYEES IN CME 1964/65

सारिणी नं. ६: कार्यालय संख्या, जिल्ला र कामदारको आकार अनुसार

जिल्ला	कामदारको आकार	कार्यालय संख्या	कामदारको आकार						
			१-९	१०-१९	२०-४९	५०-९९	१००-४९९	५००-९९९	१००० र माथी
(१)	(२)	(३)	(४)	(५)	(६)	(७)	(८)	(९)	(१०)
जम्मा	१७९	१०१	३०	३५	८	१	१	३	
भाषा	४९	३६	१०	१३	—	—	—	—	
मोरंग	८३	३५	१६	१९	८	१	१	३	
सुनसरी	३७	३०	४	३	—	—	—	—	

# NUMBER OF ESTABLISHMENTS BY PRINCIPAL ACTIVITY IN CME 1972/73

1

सारणी नं. १:- उपोप न्यायलिय संस्था मुख्य उत्पादन, विकास क्षेत्र र जिला अनुसार  
TABLE NO. 1. NUMBER OF ESTABLISHMENTS BY PRINCIPAL ECONOMIC ACTIVITY,  
DEVELOPMENT REGION AND DISTRICTS.

मुख्य उत्पादन PRINCIPAL ECONOMIC ACTIVITY	कुल संख्या ALL TOTAL	एन्जुमेरेटेड डिस्ट्रिक्ट ऑफ EASTERN DEVELOPMENT REGION									
		कुल संख्या TOTAL	इलाम ILLAM	झापा JHAPA	मोरङ MORONG	सप्तरी DHAN KUTA	सुनसरी SUNSARI	सप्तरी SAPTARI	सिराहा SIRAHADA	उदयपुर UDAYPUR	सोलु SOLU KHUMBU
2	3	4	5	6	7	8	9	10	11	12	13
कुल TOTAL	2434	507	2	119	124	3	80	94	76	4	5
1. खाद्यान्न र तेल Cereal processing & oil Extraction	1863	399	1	96	84	3	57	85	69	4	-
2. पाउरोटी र बिस्कुट Bakery	25	4	-	2	-	-	2	-	-	-	-
3. शर्करा रिफाइनरी Sugar Refineries	8	1	-	-	1	-	-	-	-	-	-
4. चिया पकी प्याकिंग Tea Packing	6	5	1	4	-	-	-	-	-	-	-
5. बिडी Bidi Making	56	14	-	2	4	-	-	3	5	-	-
6. चुरोट Cigarettes Factory	2	-	-	-	-	-	-	-	-	-	-
7. कपडा र कागो Yarn & Textiles	32	1	-	-	-	-	1	-	-	-	-



# NUMBER OF ESTABLISHMENTS BY SIZE OF PERSONS ENGAGED IN CME 1972/73

24

सारणी नं. ६:- उद्योग कार्यालय संख्या विकास क्षेत्र, जिला र काममा लागेका कामदारको बाकार अनुसार

TABLE NO.6:- NUMBER OF ESTABLISHMENTS BY DEVELOPMENT REGION, DISTRICTS AND SIZE BASED ON THE NUMBER OF PERSONS ENGAGED

सि.नं. S.No	विकास क्षेत्र र जिला DEVELOPMENT REGION AND DISTRICT	जम्मा TOTAL	कामदारको बाकार SIZE BASED ON THE NUMBER OF PERSONS ENGAGED						
			१-९ (1-9)	१०-१९ (10-19)	२०-४९ (20-49)	५०-९९ (50-99)	१००-४९९ (100-499)	५००-९९९ (500-999)	१००० र माथि 1000 AND OVER
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	कुल जम्मा ALL TOTAL	2434	1939	223	123	84	51	7	7
	मध्यमा पश्चिम विकास क्षेत्र DISRICTS OF MIDWEST DEVELOPMENT REGION	507	356	51	38	37	22	1	2
1.	इलाम ILLAM	2	1	-	-	-	1	-	-
2.	काभ्रे JHAPA	119	80	7	11	13	8	-	-
3.	मोरङ MORANG	124	68	20	11	13	9	1	2
4.	धनकुटा DHANKUTA	3	3	-	-	-	-	-	-
5.	सुनसरी SUNSARI	80	60	14	2	3	1	-	-
6.	सिराहा SIRAHA	76	64	2	6	2	2	-	-
7.	सप्तरी SAPTARI	94	76	4	8	6	-	-	-
8.	उदयपुर UDAYPUR	4	4	-	-	-	-	-	-

# NUMBER OF ESTABLISHMENTS BY SIZE OF PERSONS ENGAGED IN CME 1976/77

SIZE	TOTAL NO. OF ESTABS.	SIZE BASED ON THE NUMBER OF PERSONS ENGAGED						
		0-9	10-49	20-49	50-99	100-499	500-999	1000- & OVER
DIST. & D. R.								
ILLAM	3	1	2					
JHAPA	207	144	19	16	17	10	1	
TERHATHUM	2		2					
DHANKUTA	4	3		1				
BHOJPUR	17	4	13					
MORANG	154	102	23	10	6	11		2
SUNSHARY	86	75	5	2	3	1		
SOLUKHUMBU	4		2	1		1		
OKHARDHUNGA	3		2	1				
UDAYAPUR	12	12						
SAPTARY	124	104	7	4	4	5		
SIRAHA	129	114	6	2	5	2		
DEV. REG. 1	745	559	81	37	35	30	1	2
DOLAKHA	7		5	4				
SINDHULI	7	6	1					
DHANUSHA	160	138	14	3	2	2		1
MAHOTARY	137	123	5	4	2	3		
SARLAHI	165	148	9	5	2	1		
SINDHU PAL.	18	18						
NUWAKOT	32	23	9					
	50	48	1		1			



# NUMBER OF ESTABLISHMENTS BY LEGAL STATUS IN CME 1976/77

LEGAL STATUS	LEGAL STATUS							OTHERS
	TOTAL NO. OF ESTABS.	SOLE PROP- RIETORSHIP	PARTNERSHIP	PUBLIC LIMITED	PRIVATE LIMITED			
					GOVT. OWNED	PVT. OWNED	BOTH G. & P.	
DIST. & D.R.								
ILLAM	3	2						1
JHAPA	207	147	42	1	16			1
TERHATHUM	2	2						
DHANKUTA	4	2	2					
BHOJPUR	17	14	2		1			
MORANG	154	118	20	6	9			1
SUNSHARY	86	76	5		5			
SOLUKHUMBU	4	2	1		1			
OKHARDHUNGA	3	3						
UDAYAPUR	12	11	1					
SAPTARY	124	116	3					
SIRHA	129	113	16					
DEV. REG. 1	748	606	97	7	32			3
DOLAKHA	7	7						
SINDHULI	7	7						
DHANDSHA	160	151	6	1	2			
MAHOTARY	137	124	13					
SARLAMI	165	160	5					
SINDHU PAL	18	11	6		1			
NUWARAY	32	28	6					
KAYRE BALAN	50	39	10					
BHAKTAPUR	99	78	19		2			
KATHMANDU	368	298	42	4	21	1	1	1
LALITPUR	141	96	20	1	22	1		1
MAKWANPUR	48	37	3	1	7		1	
CHITTYWAN	140	120	18		2			
RAUTAHAT	100	97	3	1				
BARA	117	107	3					2
PARSA	198	176	10	3	6	2		1
DEV. REG. 2	1787	1534	167	11	68	5	2	1
KASKI	122	113	4	1	3			

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# NUMBER OF ESTABLISHMENTS BY SIZE OF PERSONS ENGAGED AND PRINCIPAL ACTIVITY IN CME 1976/77

TABLE NO. 02

NUMBER OF ESTABLISHMENTS BY PRINCIPAL ECONOMIC ACTIVITY AND SIZE BASED ON THE NUMBER OF PERSONS ENGAGED

PRINCIPAL ECON. ACTIVITIES	TOTAL NO. OF ESTABLISHMENTS	SIZE BASED ON THE NUMBER OF PERSONS ENGAGED						
		1—9	10—19	20—49	50—99	100—499	500—999	1000 & OVER
O. & G. MILL PRDS.	2637	2470	65	57	34	10	1	
FRT. CAN. & BOTL.	2	1	1					
BAKERY PRODUCTS	41	7	24	6	2	2		
SUGAR REFINERIES	6		1	3		1		1
ANIMAL FEEDS	2	1			1			
DISTILLERIES	5	1	2	1	1			
TEA PACKING	9		1	1	1	6		
BIRI MAKING	73	3	34	15	8	10	3	
CIGARETTE FACs.	2				1			1
YARN AND TEXTILE	65	12	35	9	6	3		
KNITTING MILLS	7	2	3	2				
CARPETS & RUGS	31		13	13	1	4		
CAPS	9		3	5	1			
FOOT WEAR(SHOES)	7	1	3	1	1	1		
SAW MILLS	55	21	25	6		3		
FUR. & STR. PRD. (WOOD)	142	96	33	9	2	2		
FUR. & STR. PRD. (STEEL)	13	5	2	3	2	1		
PAPER MANUFACTURING	12	1	4	7				
PRINTING PRESS	116	74	36	3		2	1	
DRUGS & MEDICINES	6	2	2	1		1		
SOAPS	16	6	7	3				
JUTE PROCESSING	2							2
MATCHES	4				1	3		
BRICKS & TILES	97	1	26	19	33	18		
METALLIC VESSELS	16	2	9	1	3	1		
REPAIRING WORKS	35	28	5	2				
JEWELLERY & CURIOS	6	1	2	2	1			
ICE & ICE CREAM	28	26	1	1				
ACTIVITIES N. E. S.	84	34	27	7	4	9	3	
TOTAL	3528	2795	364	177	103	77	8	4

# NUMBER OF MANUFACTURING ESTABLISHMENTS BY SIZE OF PERSONS ENGAGED

SIZE OF PERSONS ENGAGED	CME 2022	CME 2030	CME 2034	CME 2039	CME 2044	CME 2049	CME 2054	CME 2059	CME 2064
1 --9	990	1939	2795	3932	1579*	-	-	-	-
10 -- 19	152	223	364	416	952	1966	1753	1635	1912
20--49	87	123	177	247	435	1173	834	716	755
50-99	30	84	103	158	301	594	512	372	392
100 AND MORE	16	65	89	150	366	538	458	490	387
TOTAL OF 10 OR MORE	285	495	733	971	2054	4271	3557	3213	3446
ENUMERATED TOTAL	1257	2434	3528	4903	3633*				

\* RICE MILLS WITHOUT HIRED LABOR WERE TABULATED SAPERATELY

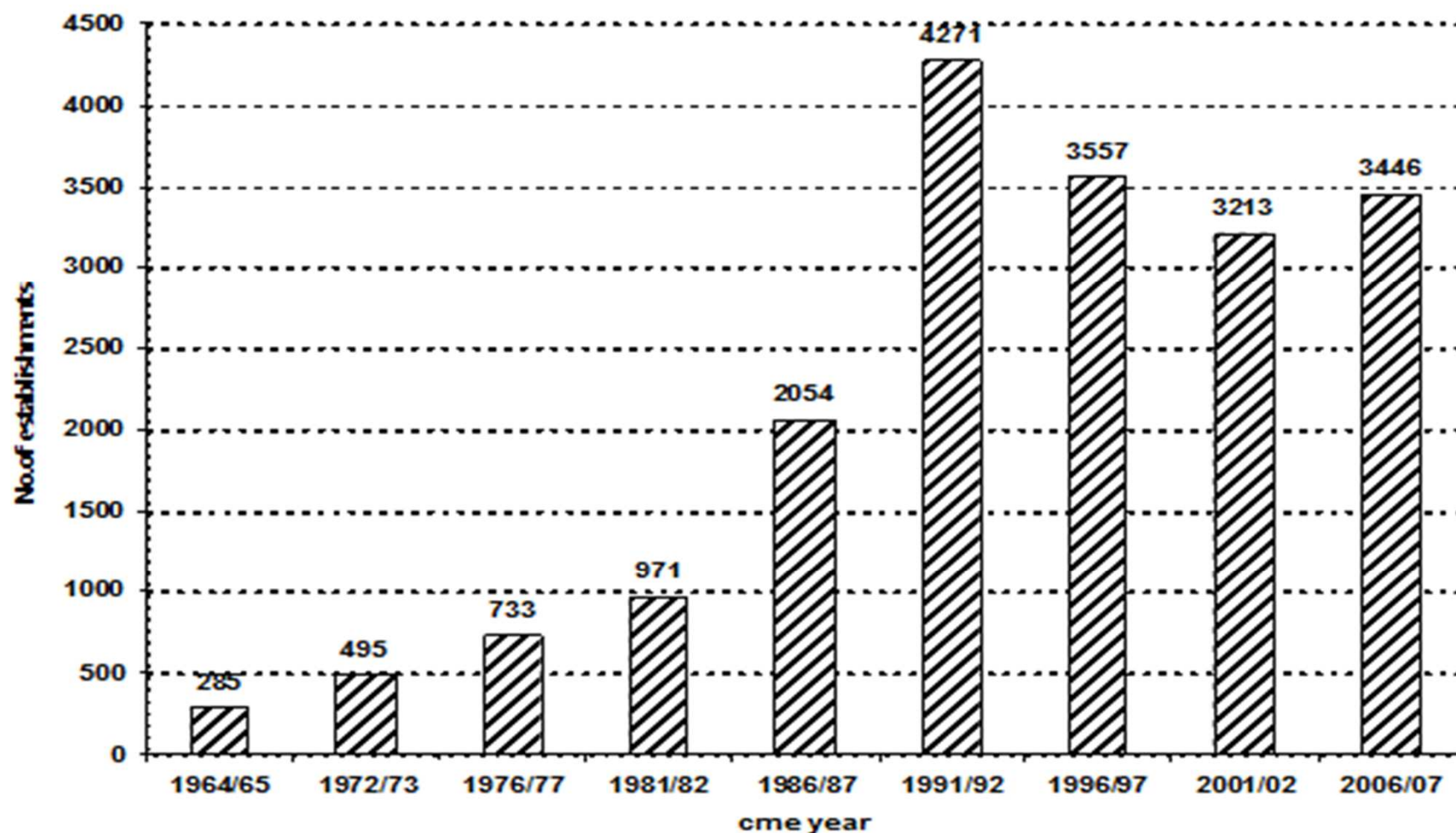
# Number of Modern Manufacturing Establishments in Nepal

CME year	No.of establishments	Absolute increase or decrease	Percentage growth
1964/65	285	-	-
1972/73	495	210	74
1976/77	733	238	48
1981/82	971	238	32
1986/87	2054	1083	112
1991/92	4271	2217	108
1996/97	3557	-714	-17
2001/02	3213	-344	-10
2006/07	3446	233	7

CME = Census of Manufacturing Establishments



# Number of Modern Manufacturing Establishments in Nepal



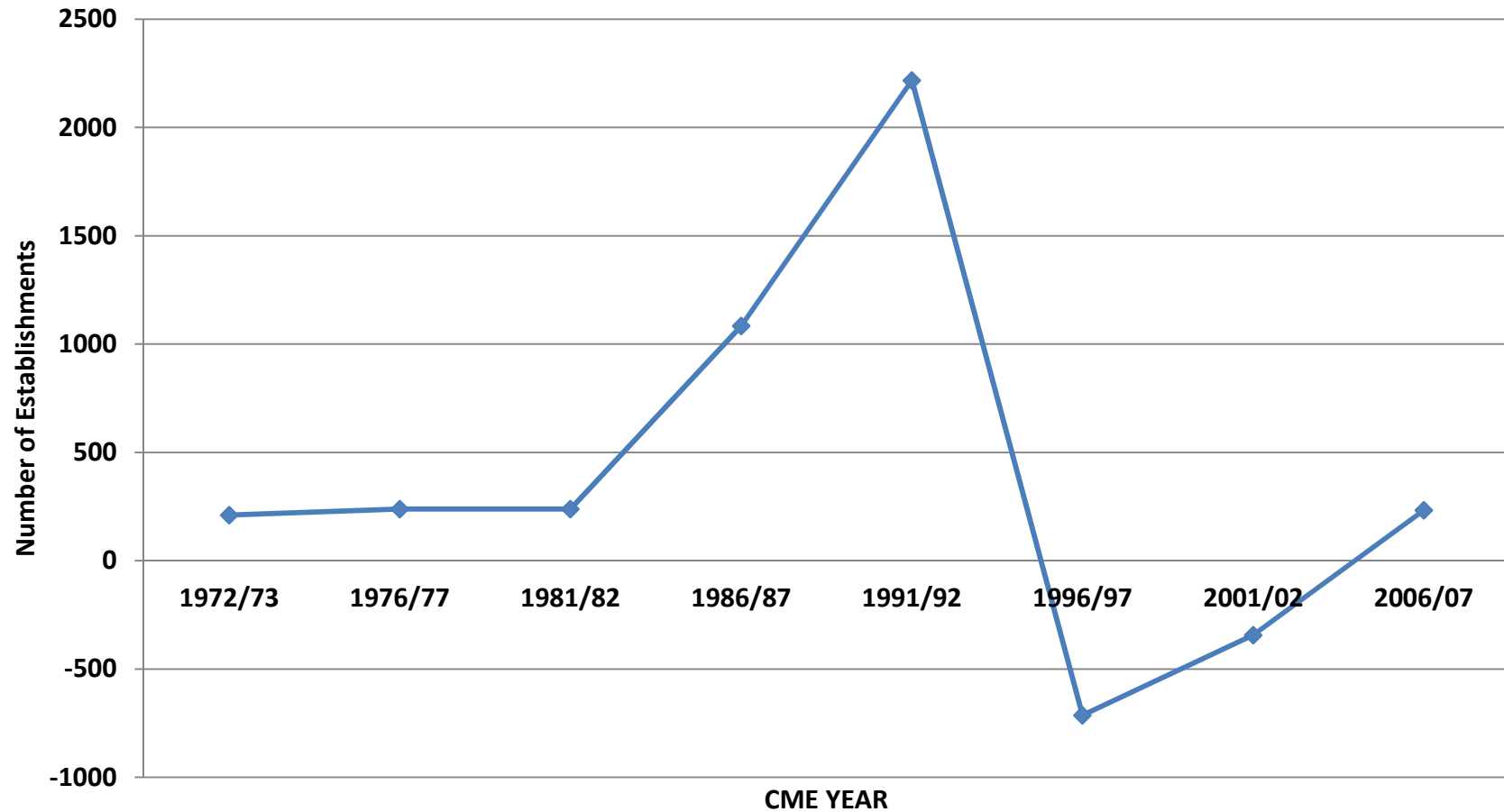
# NUMBER OF ESTABLISHMENTS BY PRINCIPAL ACTIVITY

NSIC	CME 1964/65	CME 1972/73	CME 1976/77	CME 1981/82	CME 1986/87	CME 1991/92	CME 1996/97	CME 2001/02	CME 2006/07
15	105	163	224	258	368	657	661	723	863
16	24	50	72	62	68	85	38	25	28
17	7	43	106	178	456	1427	828	457	519
18	-	-	-		108	234	136	115	36
19	-	4	-	14	18	41	77	59	36
20	13	20	34	29	-	143	198	195	271
21	-	-	11	12	23	47	118	85	91
22	19	30	42	33	86	135	79	81	105
23	-	-	-	-	-	-	3	2	7
24	3	7	14	10	81	91	92	95	109
25	-	-	-	18	59	161	146	201	162
26	61	77	96	182	503	709	623	624	657
27	-	-	-	-	21	15	22	74	67
28	6	6	14	52	98	147	183	127	124
29	-	-	-	-	-	-	19	10	18
31	-	-	-	-	20	29	29	35	33
32	-	-	-	-	2	6	5	5	5
33	-	-	-	-	2	1	-	-	1
34	-	-	-	-	-	-	5	6	5
35	-	-	-	-	-	-	-	-	3
36	47	93	120	123	141	343	295	294	306
All industries	285	493	733	971	2054	4271	3557	3213	3446

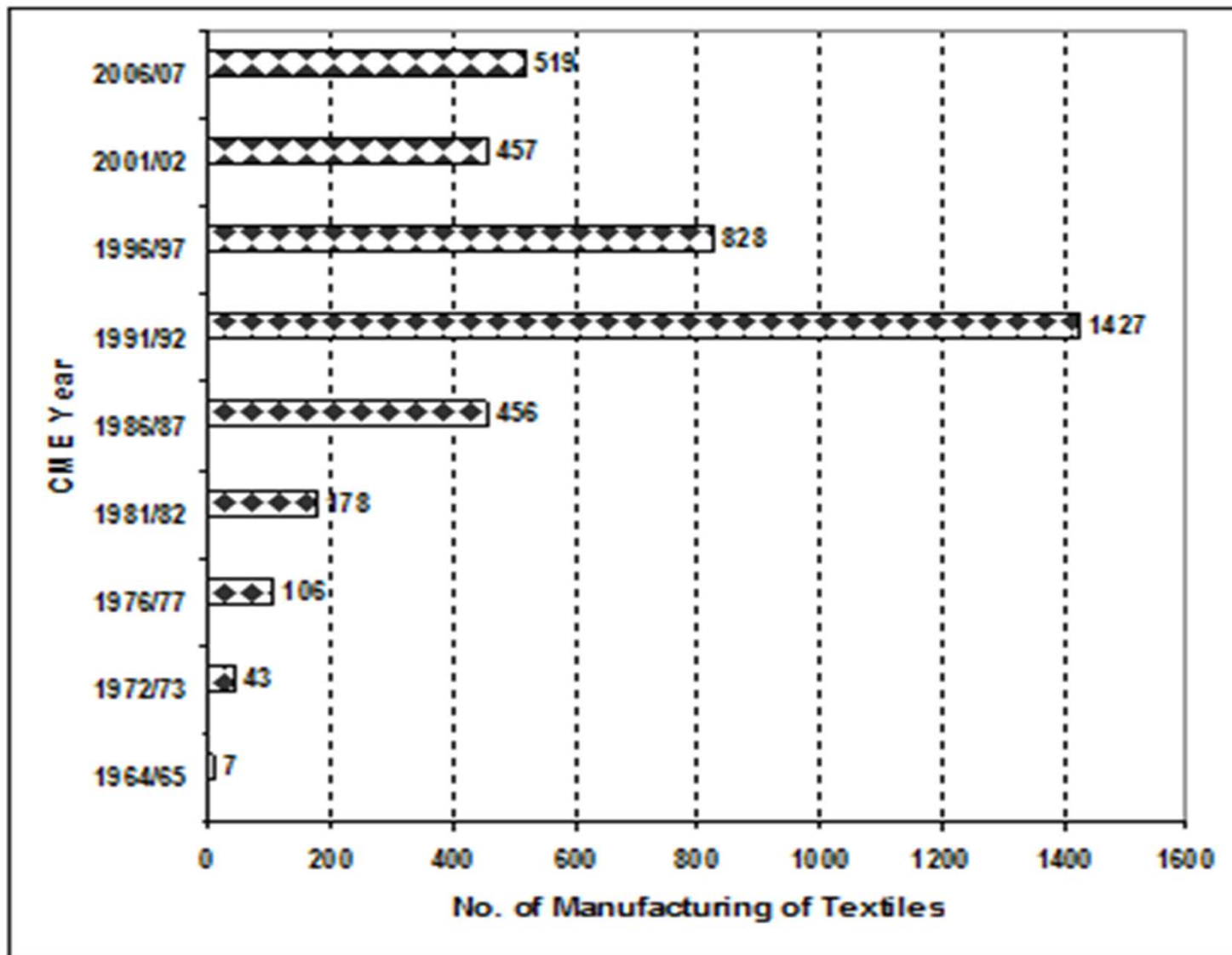
NSIC = Nepal Standard Industrial Classification 2000



# Absolute Increase or Decrease of Number of Manufacturing Establishments



# Number of Textile Industries in Nepal

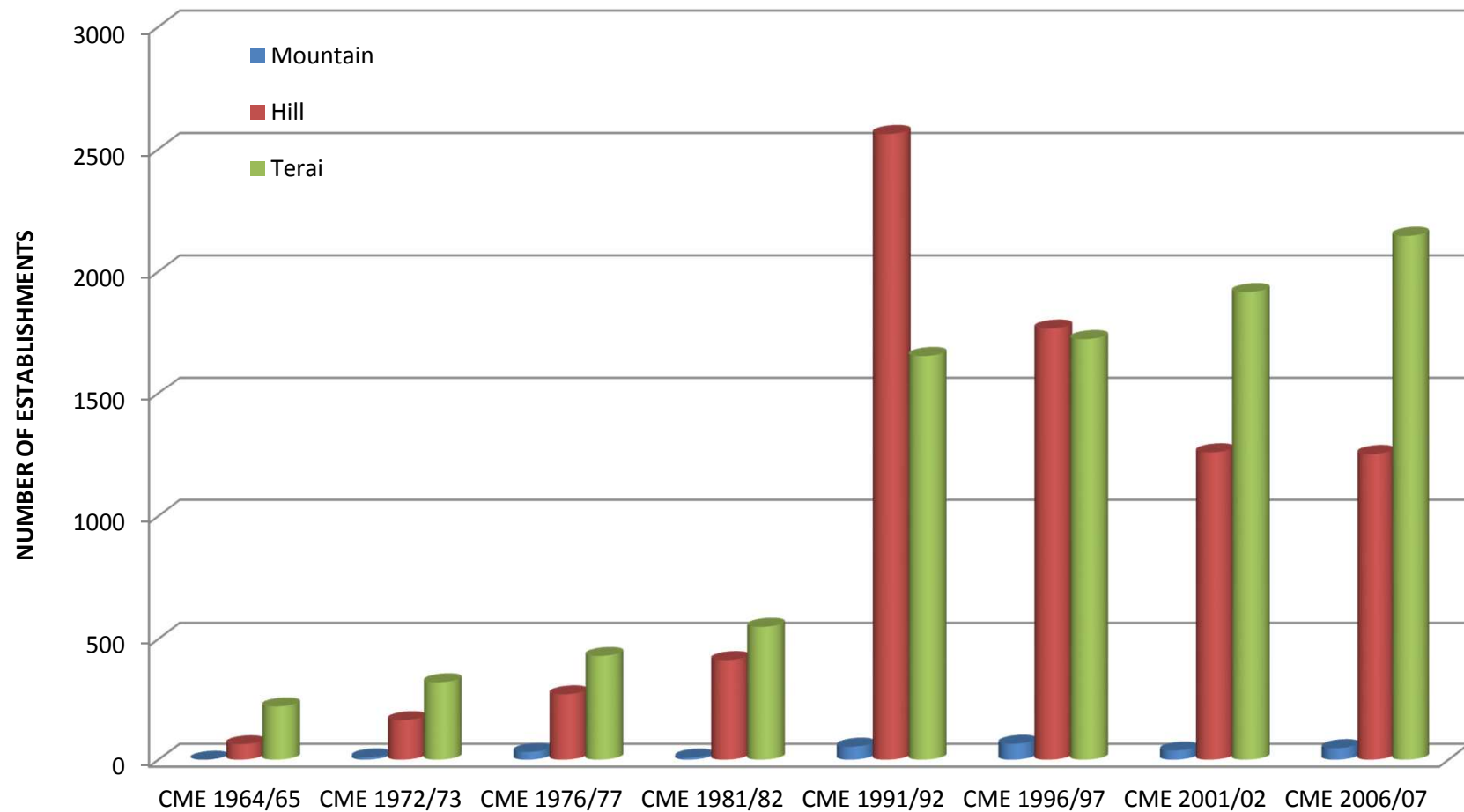


All CMEs Link

# NUMBER OF MANUFACTURING ESTABLISHMENTS BY ECOLOGICAL BELTS

Area	CME 1964/65	CME 1972/73	CME 1976/77	CME 1981/82	CME 1991/92	CME 1996/97	CME 2001/02	CME 2006/07
Mountain	0	10	32	9	54	66	38	48
Hill	64	164	271	413	2562	1767	1259	1252
Terai	221	321	430	549	1655	1724	1916	2146
Total	285	495	733	971	4271	3557	3213	3446

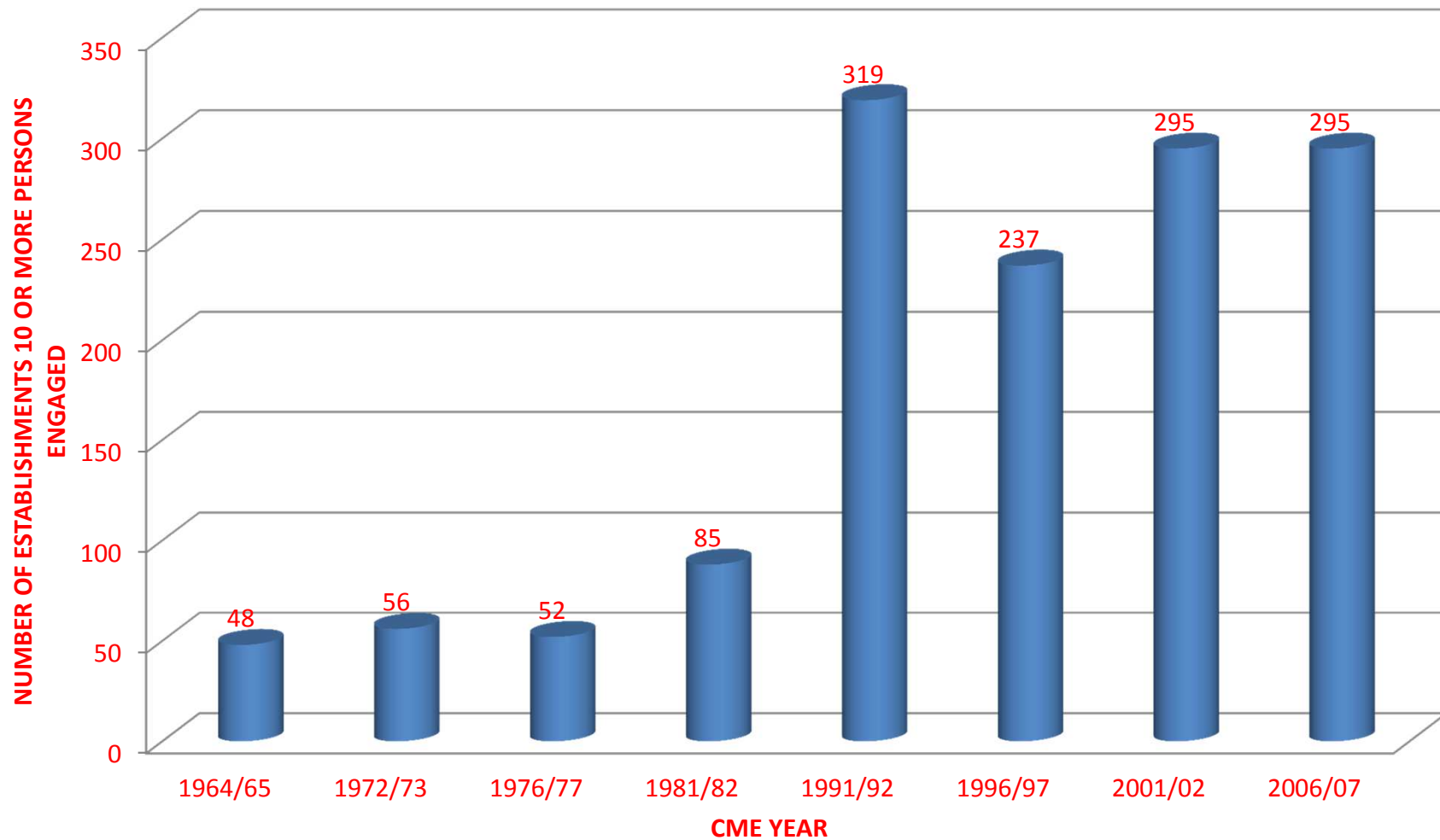
# NUMBER OF MANUFACTURING ESTABLISHMENTS BY ECOLOGICAL BELTS



# NUMBER OF MANUFACTURING ESTABLISHMENTS OF TOP 20 DISTRICTS

S.N.	DISTRICT	CME 2022	CME 2030	CME 2034	CME 2039	CME 2049	CME 2054	CME 2059	CME 2064
1	Kathmandu	45	96	83	187	1401	889	514	480
2	Morang	48	56	52	88	319	237	295	295
3	Rupandehi	13	18	45	31	141	204	237	225
4	Parsa	22	35	49	72	119	157	159	218
5	Sunsari	7	20	11	41	194	193	212	216
6	Bara	17	12	14	16	98	99	119	192
7	Lalitpur	14	34	49	58	628	352	236	186
8	Kaski	NA	11	32	22	115	115	120	145
9	Jhapa	23	39	63	53	95	87	135	137
10	Bhaktapur	3	5	14	9	145	97	97	132
11	Kailali	6	12	14	29	90	81	82	107
12	Chitawan	4	5	19	40	39	71	87	98
13	Banke	11	20	21	33	117	99	89	96
14	Kanchanpur	2	8	5	17	66	46	67	88
15	Nawalparasi	3	1	5	21	39	39	80	72
16	Dhanusa	17	17	22	17	57	74	59	69
17	Saptari	18	18	20	20	44	65	68	62
18	Kapilbastu	13	16	28	19	37	37	54	53
19	Makwanpur	2	9	15	29	55	55	57	51
20	Sarlahi	3	13	17	15	95	58	33	44
	ALL NEPAL	285	495	733	971	4271	3557	3213	3446

# NUMBER OF ESTABLISHMENTS IN MORANG DISTRICT



## NUMBER OF MANUFACTURING ESTABLISHMENTS BY SIZE OF PERSONS ENGAGED IN MORANG

SIZE OF PERSONS ENGAGED	CME 2022	CME 2030	CME 2034	CME 2039	CME 2049	CME 2054	CME 2059	CME 2064
1 --9	35	68	102	144	-	-	-	-
10 -- 19	16	20	23	36	233	130	165	173
20--49	19	11	10	19	36	45	49	51
50-99	8	13	6	16	26	35	34	26
100--499	1	9	11	8	15*	23	40	38
500--999	1	1	0	5	9**	3	5	4
1000 AND MORE	3	2	2	1	-	1	2	3
TOTAL	83	124	154	229	319	237	295	295
10 OR MORE PERSONS	48	56	52	85				
% OF 10 OR MORE PERSONS	57.8	45.2	33.8	37.1				

\* = 100 -199 PERSONS ENGAGED

\*\* = 200 OR MORE PERSONS

# SHARE OF VALUE ADDED OF TOP 17 DISTRICTS

S.N.	DISTRICT	VALUE ADDED (%)		
		CME 1996/97	CME 2001/02	CME 2006/07
1	Bara	16.83	26.86	25.56
2	Nawalparasi	3.19	6.65	9.63
3	Kathmandu	26.45	11.84	9.56
4	Morang	8.56	9.99	8.43
5	Dhanusa	2.80	1.59	8.17
6	Parsa	3.73	3.45	7.38
7	Makwanpur	6.02	7.17	6.06
8	Sunsari	3.38	9.87	5.25
9	Rupandehi	1.84	2.44	4.27
10	Lalitpur	10.14	3.77	2.05
11	Jhapa	0.91	1.57	1.51
12	Banke	1.56	1.69	1.49
13	Kapilbastu	0.16	1.04	1.31
14	Udayapur	1.04	2.16	1.29
15	Chitawan	4.09	3.62	1.29
16	Kaski	1.15	0.88	1.21
17	Bhaktapur	1.72	0.99	1.18
	NEPAL (IN %)	100.00	100.00	100.00
	NEPAL (IN RS CRORE)	2004.35	1916.65	4100.13



# SHARE OF MANUFACTURING VALUE ADDED BY ECOLOGICAL DEVELOPMENT REGION

Ecological Development Regions	Value Added (%)		
	CME 1996/97	CME 2001/02	CME 2006/07
Eastern Mountain	0.04	0.00	0.02
Eastern Hill	1.22	2.41	1.50
Eastern Terai	13.46	21.63	15.77
Central Mountain	0.29	0.01	0.07
Central Hill	44.61	24.33	19.53
Central Terai	29.86	38.05	43.65
Western Mountain	0.01	0.00	0.01
Western Hill	2.75	1.19	1.75
Western Terai	5.18	10.13	15.21
Mid-Western Mountain	0.00	0.00	0.01
Mid - Western Hill	0.04	0.06	0.04
Mid - Western Terai	1.89	1.78	1.75
Far- Western Mountain	0.00	0.01	0.01
Far- Western Hill	0.00	0.00	0.01
Far-Western Terai	0.64	0.43	0.66
All Regions (%)	100.00	100.00	100.00
All Regions (in Rs.Crore)	2004.35	1916.65	4100.13

# Number of Establishments by Size of Persons Engaged

Size of Persons engaged	CME 1991/92	C ME 1996/97	CME 2001/02	CME 2006/07
10 - 19	1966	1753	1635	1912
%	46.03	49.28	50.89	55.48
20 - 49	1173	834	716	755
%	27.46	23.45	22.28	21.91
50 - 99	594	512	372	392
%	13.91	14.39	11.58	11.38
100 - 199	332	284	317	229
%	7.77	7.98	9.87	6.65
200 and above	206	174	173	158
%	4.82	4.89	5.38	4.59
Total	4271	3557	3213	3446
%	100.00	100.00	100.00	100.00

# Number of Establishments by Size of Fixed Assets

Size of Fixed Assets	CME 1991/92	CME 1996/97	CME 2001/02	C ME 2006/07
Less than 1 Crore	4083	3203	2775	2855
%	95.60	90.05	86.37	82.85
1 Crore to 5 Crore	136	282	316	397
%	3.18	7.93	9.84	11.52
5 Crore and above	52	72	122	194
%	1.22	2.02	3.80	5.63
Total	4271	3557	3213	3446
%	100.00	100.00	100.00	100.00

# NUMBER OF PERSONS ENGAGED BY LEGAL STATUS

Legal Status	CME 1991/92	CME 1996/97	CME 2001/02	CME 2006/07
Personal	116175	99581	84606	79178
%	51.99	50.62	44.10	45.10
Partnership	37625	13829	13289	13053
%	16.84	7.03	6.93	7.44
Private Limited	42395	58199	66208	59718
%	18.97	29.59	34.51	34.02
Public Limited	24025	19933	24120	22911
%	10.75	10.13	12.57	13.05
Co-operatives	-	-	-	645
%	0.00	0.00	0.00	0.37
Other	3243	5166	3630	45
%	1.45	2.63	1.89	0.03
All Status	223463	196708	191853	175550
%	100.00	100.00	100.00	100.00

# NUMBER OF PERSONS ENGAGED BY SIZE OF FIXED ASSETS

Size of Fixed Assets	CME 1991/92	CME 1996/97	CME 2001/02	CME 2006/07
Less than 1 Crore	185510	130932	108287	96318
%	83.02	66.56	56.44	54.25
1 Crore to 5 Crore	18904	40554	40930	29671
%	8.46	20.62	21.33	16.71
5 Crore and above	19049	25222	42636	51561
%	8.52	12.82	22.22	29.04
Total	223463	196708	191853	177550
%	100.00	100.00	100.00	100.00

# 10 Districts having more than 5000 paid employees in manufacturing sector

S.N.	Districts	Number of employees			Percentage to the total		
		CME 1996/97	CME 2001/02	CME 2006/07	CME 1996/97	CME 2001/02	CME 2006/07
1	Kathmandu	62593	33883	22644	33.42	18.62	13.33
2	<b>Morang</b>	<b>13435</b>	<b>21092</b>	<b>20641</b>	<b>7.17</b>	<b>11.59</b>	<b>12.15</b>
3	Sunsari	6906	18103	17122	3.69	9.95	10.08
4	Bara	7021	8938	15288	3.75	4.91	9.00
5	Jhapa	3077	9698	9021	1.64	5.33	5.31
6	Lalitpur	26084	18364	8280	13.93	10.09	4.87
7	Parsa	7718	6054	8034	4.12	3.33	4.73
8	Rupandehi	6449	6335	7485	3.44	3.48	4.41
9	Bhaktapur	6695	8171	6603	3.57	4.49	3.89
10	Nawalparasi	3528	5518	5681	1.88	3.03	3.34
Top 10 districts total		143506	136156	120799	76.61	74.83	71.10
Nepal total		187316	181943	169891	100.00	100.00	100.00

# Manufacturing Establishments in Nepal

Description	CME 2049	CME 2054	CME 2059	CME 2064
Number of Establishments	4271	3557	3213	3446
Number of Persons Engaged	223463	196708	191853	177550
Number of Paid Employees	213653	187316	181943	169891
Wages and Salaries (in Rs '000)	3248493	4058069	6389661	8044096
Value of Fixed Assets (in Rs '000)	20067126	26448229	47517888	78889352
Value of Output (in Rs '000)	32997374	54927092	94811061	156305650
Total Value Added (in Rs '000)	13649922	21875315	32604606	41001263

# Some Indicators of Manufacturing Establishments, Nepal

Indicators	CME 2049	CME 2054	CME 2059	CME 2064
Number of Persons Engaged per Establishment	52	55	60	52
Number of Paid Employees per Establishment	50	53	57	49
Monthly Salary Per Employee (in Rs)	1267	1805	2927	3946
Fixed Assets per Establishment (in Rs '000)	4698	7436	14789	22893
Fixed Assets per Employee (in Rs '000)	94	141	261	464
Value of Output per Establishment (in Rs '000)	7726	15442	29509	45359
Value Added per Establishment (in Rs '000)	3196	6150	10148	11898
Value Added per Employee (in Rs '000)	64	117	179	241



**IF YOU HAVE ANY QUESTIONS,  
PLEASE ASK.**

**THANK YOU**

**Survey of Small Manufacturing  
Establishments, 2008-2009  
Nepal**

Lok Bahadur Khatri  
Statistics Officer  
Establishment Census & Survey Section  
Central Bureau of Statistics

## **Small manufacturing establishments (SME) - definition**

Establishments engaged in manufacturing activities and registered in relevant government agency, and

“Units having less than 10 persons engaged”

**(Units with more than 10 persons engaged are covered by the Census of Manufacturing Establishments)**

## Reference period of the survey

Fiscal year 2065/66

(From 1<sup>st</sup> Shrawan 2065 to last day of Ashadh 2066)

For employees number only : 1st Magh 2065

**First of this kind of survey was conducted in 2029/30 B.S.  
and previous survey was done in 2057 B.S.**

## Listing operation

- Listing of small manufacturing establishments conducted throughout the country in the fiscal Year 2065/66
- Altogether 32326 small establishments found under operation during that period

### Among them:

Eastern development region = 8701 (26.9%)

Morang = 2278 (7.0%)

## Sample design

- Design comprises both complete enumeration and sampling
- 152 establishments of which frequency under any NSIC at 4 digit level being less than 5 in an ecological development region were selected for complete enumeration
- 3585 stratified samples were selected randomly from remaining 32174 establishments

# Allocation of sample

## Rural/Urban

Rural - 2257

Urban - 1480

## 3 Ecological Belts

Mountain - 157

Hill - 1597

Terai - 1983

## 5 Development regions

Eastern - 992

Central - 1643

Western - 594

Mid-Western - 325

Far-Western - 183

**Morang=261**

**Total size of sample - 3737**



# Questionnaire

- **15 Sections**

1. Employment
2. Purchase of Fuels
3. Purchase of Raw Materials
4. Production and Sale
5. Service Industries Only
6. Cost of and Receipt from Industrial and Other Services
7. Stocks
8. Indirect Tax and Fees
9. Loan Transaction
10. Cost of Non-Industrial Services
11. Receipts from Non-Industrial Services
12. Utilization of Production Capacity
13. Fixed Assets
14. Environment
15. Major Problems

# Main findings

- ❖ No. of establishments - 32326
  - ❖ Rural 62%; Urban 38%
- ❖ No. of persons engaged - 122200
  - ❖ Rural 57%; Urban 43%
  - ❖ Paid 55%; Unpaid 45%
  - ❖ Working proprietors 29 %; Family members 16%; Paid workers 55%
- ❖ Share of females in total workers - 18%
  - ❖ Working proprietors 4%;
  - ❖ Family members 7%;
  - ❖ Paid workers 7%

## Main findings contd...

Value of output	–	Rs. 4149 Crore
Value of input	–	Rs. 3003 Crore
Value added	–	Rs. 1146 Crore

Value added per establishment	–	Rs. 354 thousand
Value added per paid worker	–	Rs. 170 thousand
Per industry value of fixed assets	–	Rs. 707 thousand

## Share of eastern development region

No. of establishments – 27 %

No. of persons engaged – 28%

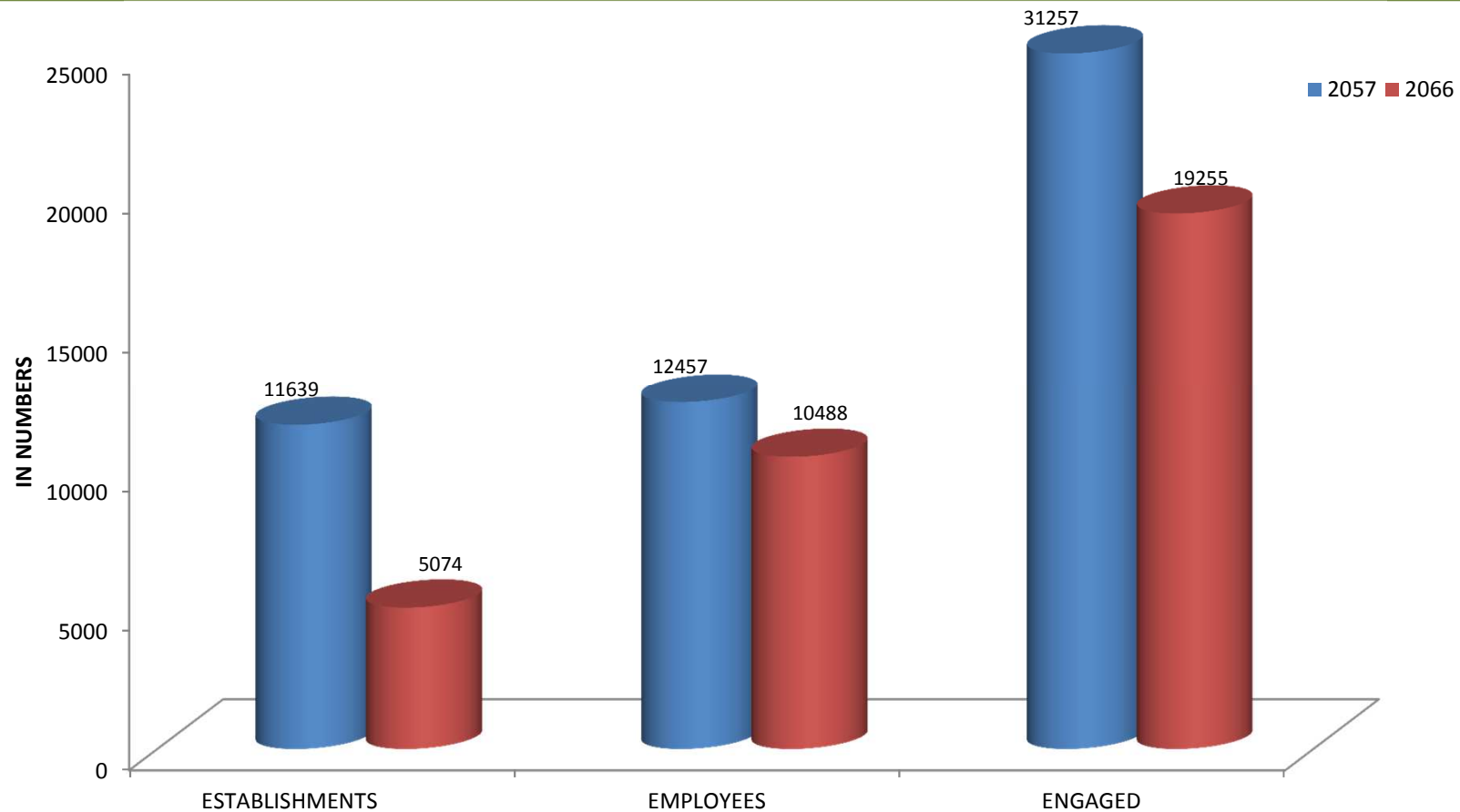
No. of paid employees – 27 %

Investment on fixed assets – 21%

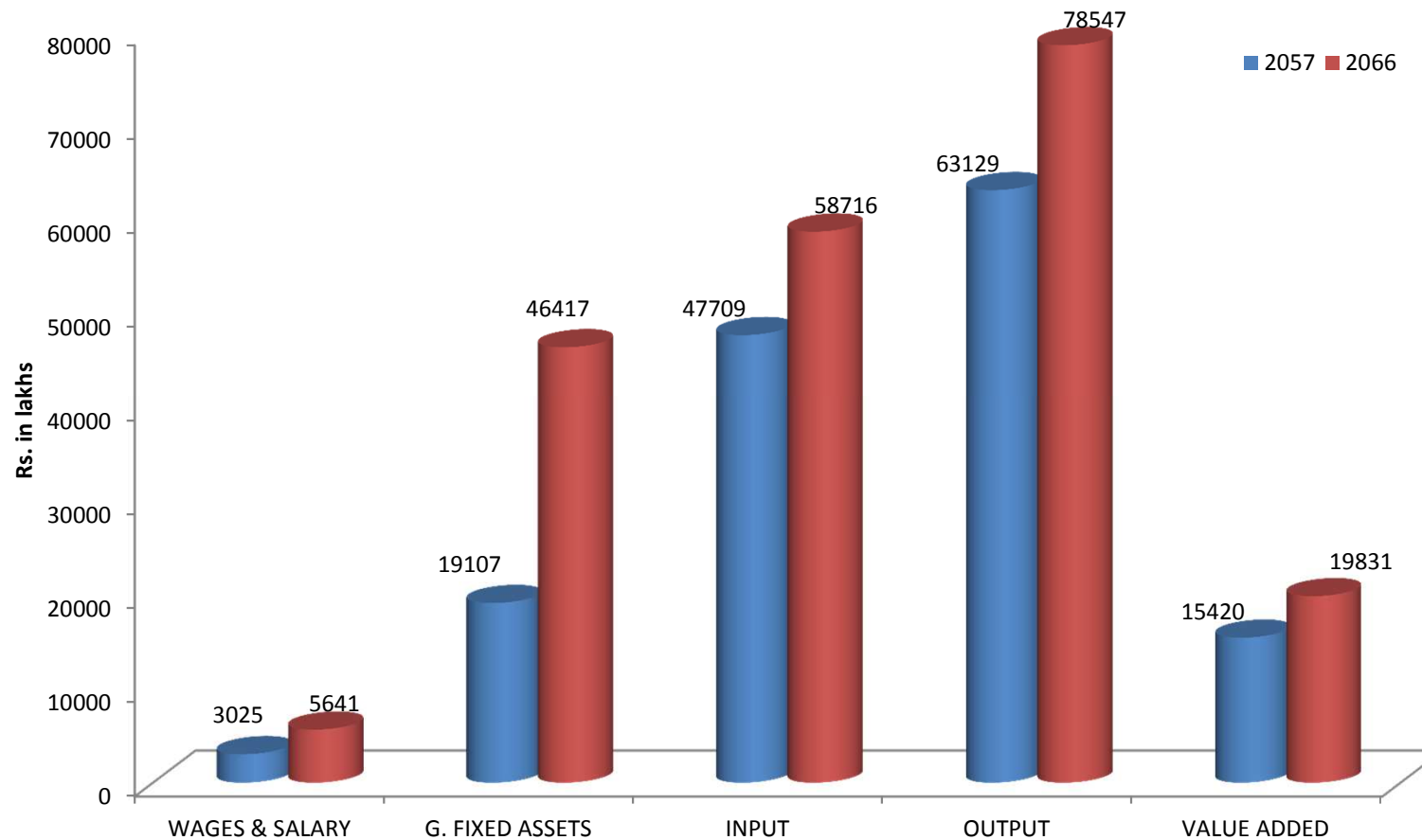
Value of output – 22 %

Value added of small manufacturing sector – 24%

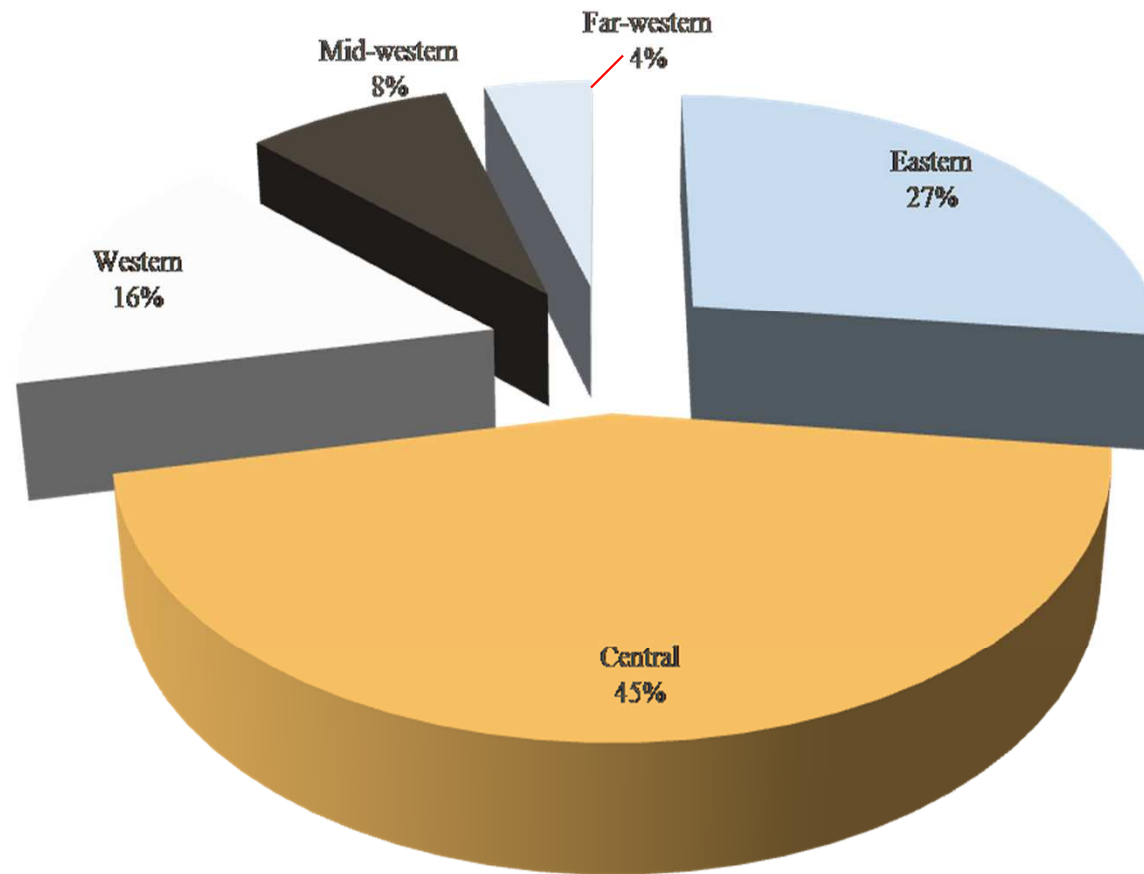
# No. of establishments, employees & engaged in SSME2057 & SSME 2066 (eastern development region)



## Some principal indicators in SSME 2057 & SSME 2066 in eastern development region



## Percentage distribution of number of establishments by development region



## Share of Kathmandu Valley

No. of establishments - 20%

No of persons engaged - 21%

No. of paid employees - 22%

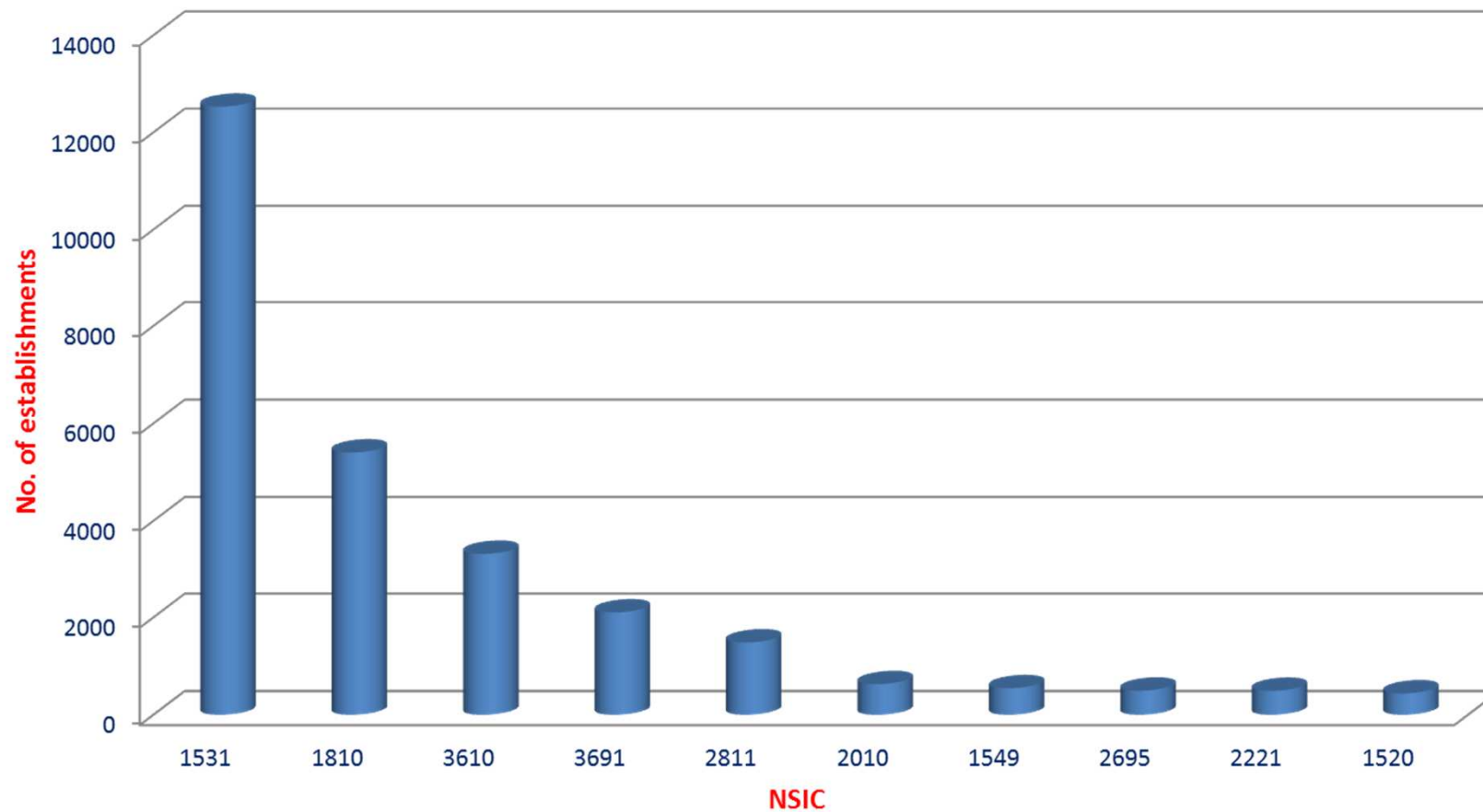
Investment on fixed assets - 24%

Value of output - 25%

Value added of small manufacturing sector-29%

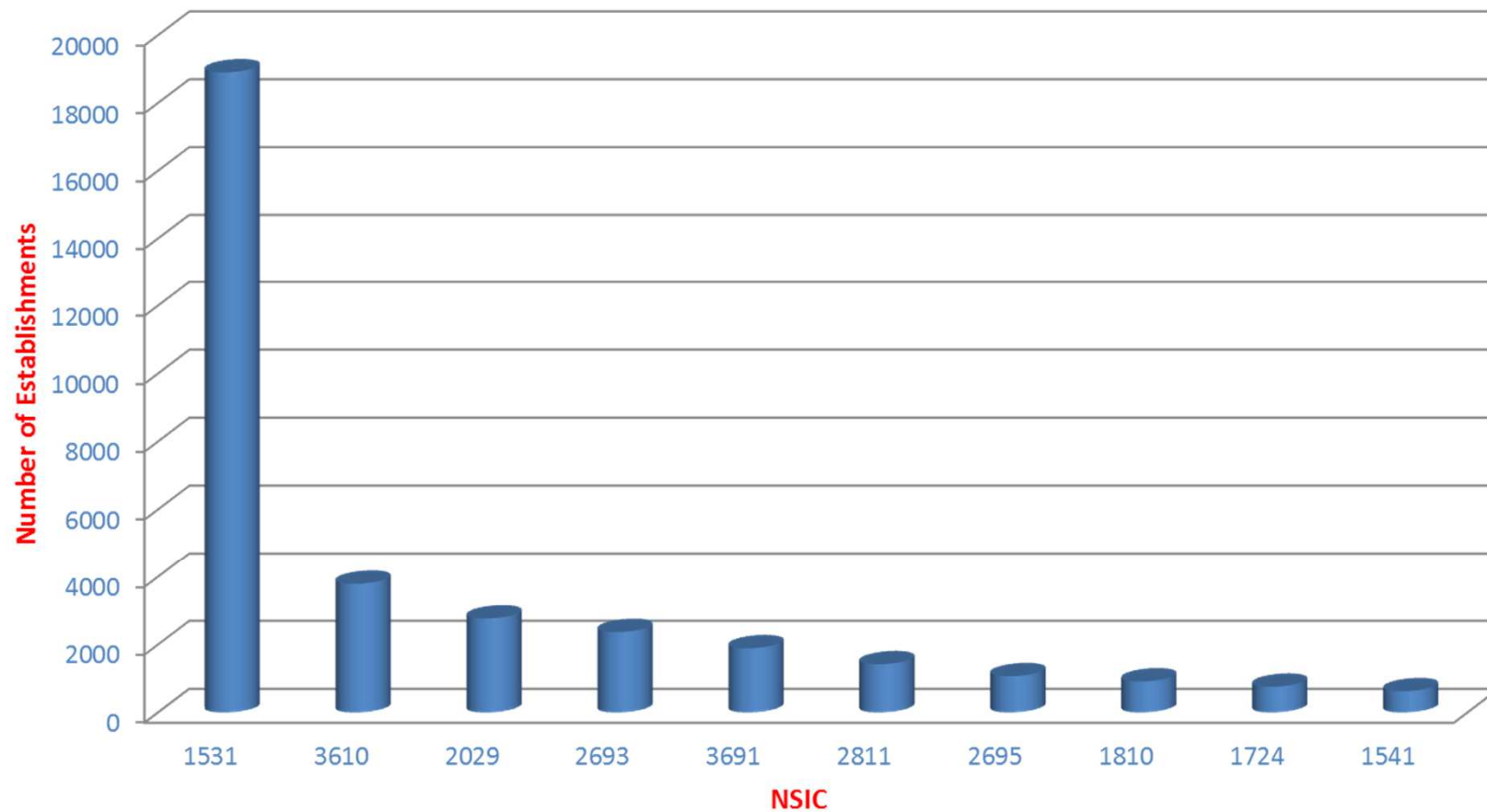


## Number of establishments of top 10 NSIC in SSME 2066



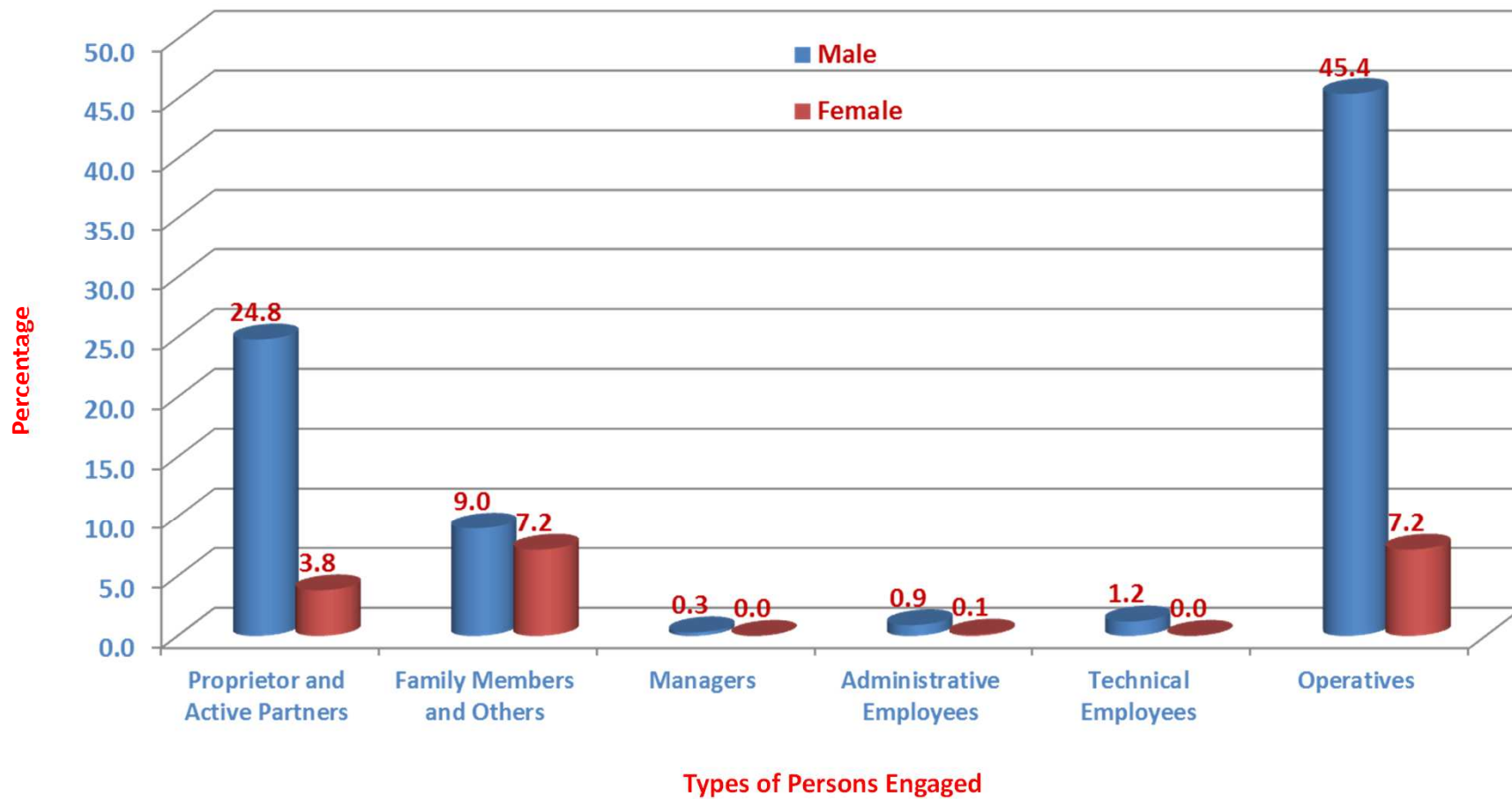
Share of Top 10 NSIC = 85%

## Number of establishments of top 10 NSIC in SSME 2057

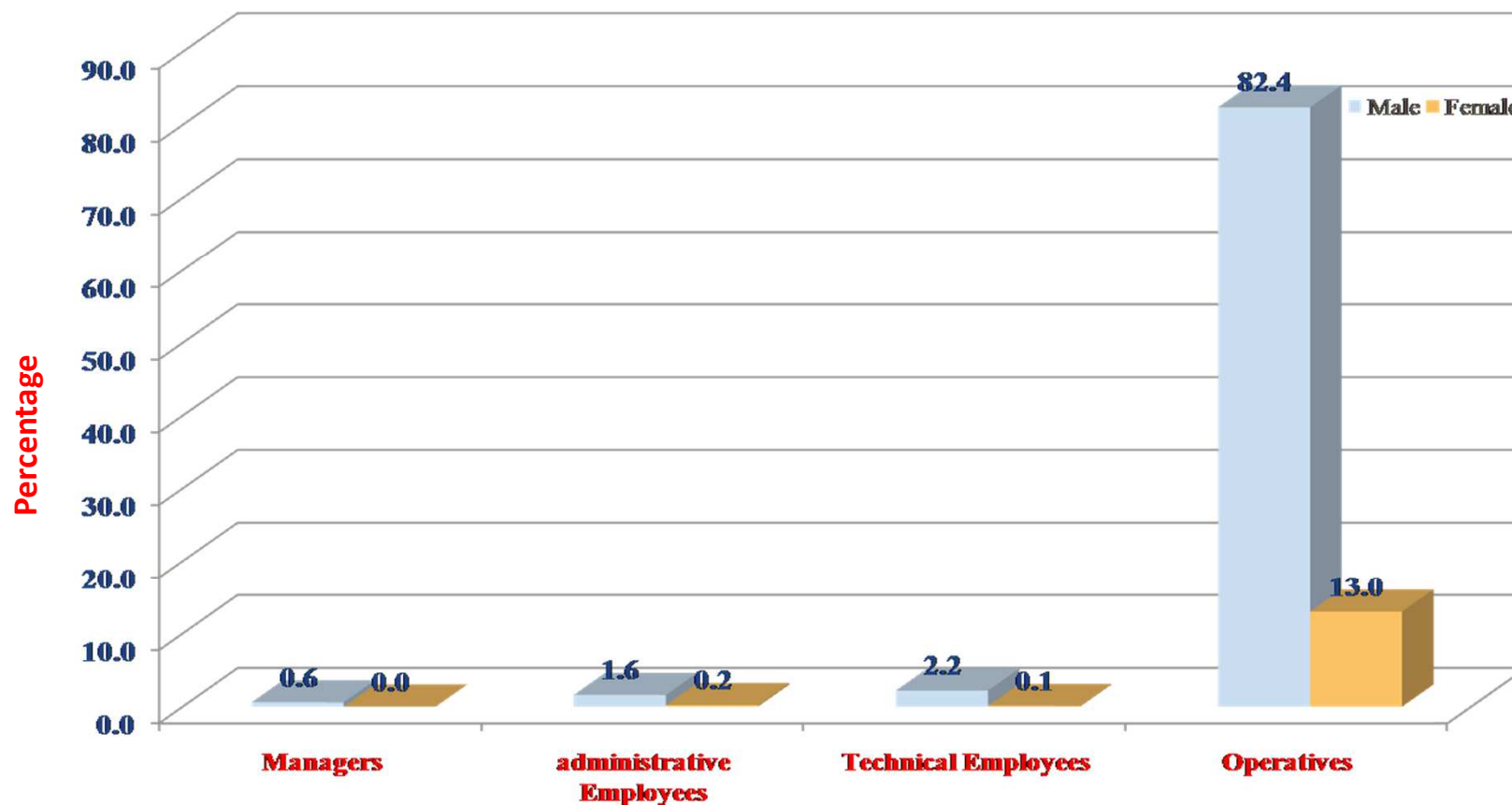


Share of Top 10 NSIC = 79%

# Percentage of number of persons engaged in small manufacturing sector in 2066

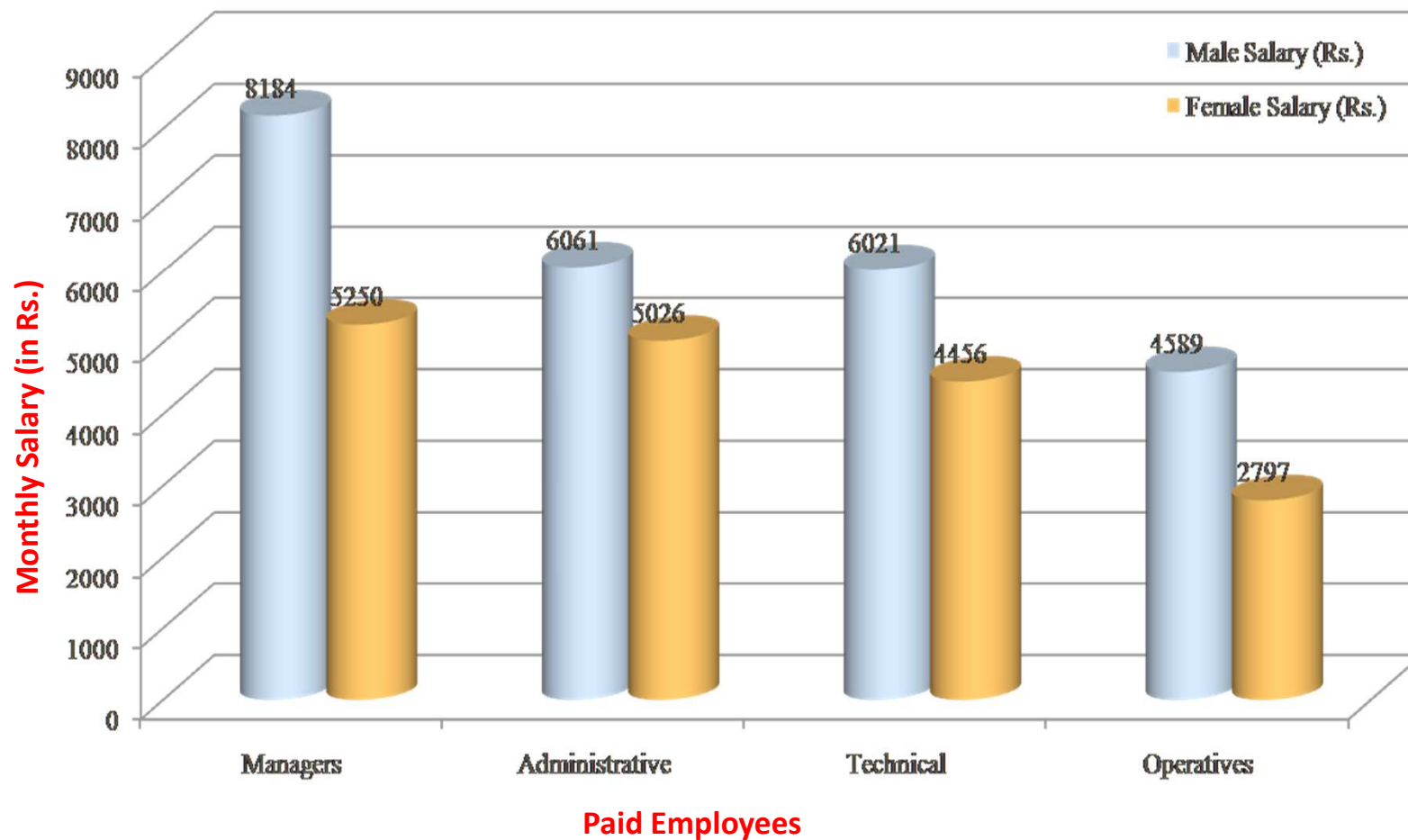


# Percentage distribution of paid employees

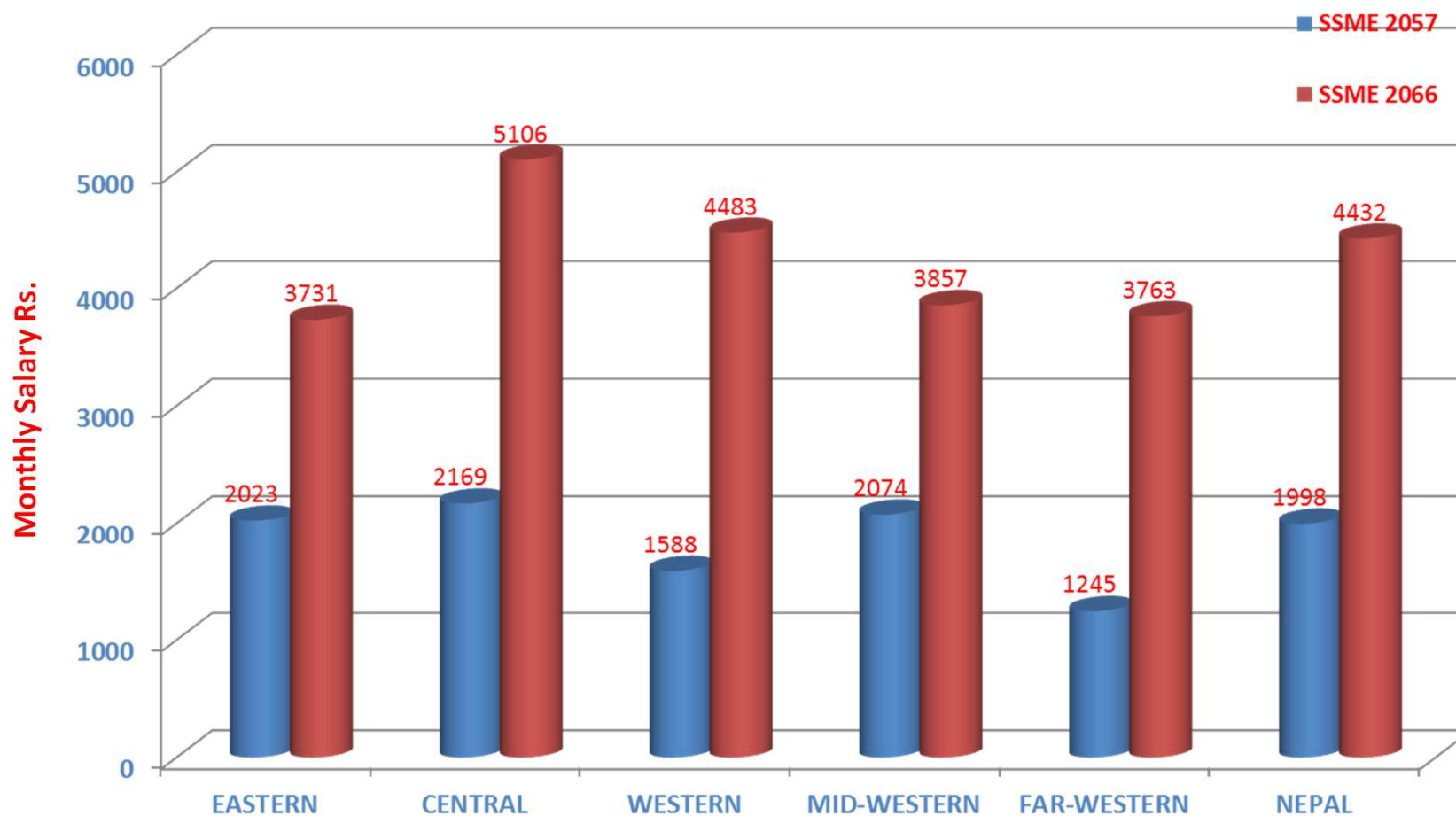


Total Number of Paid Employees = 67376

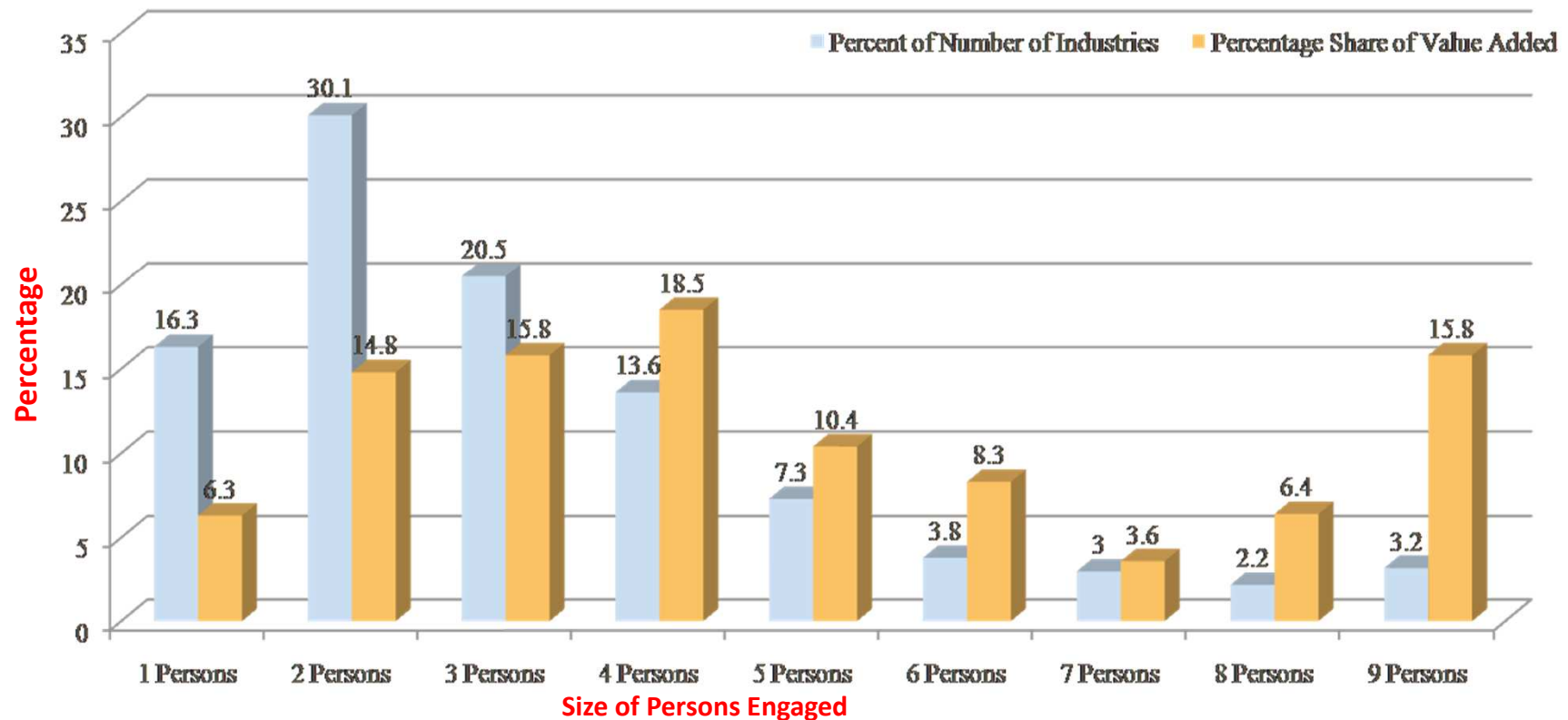
# Monthly salary of paid employees



# Monthly salary of paid employees by development regions



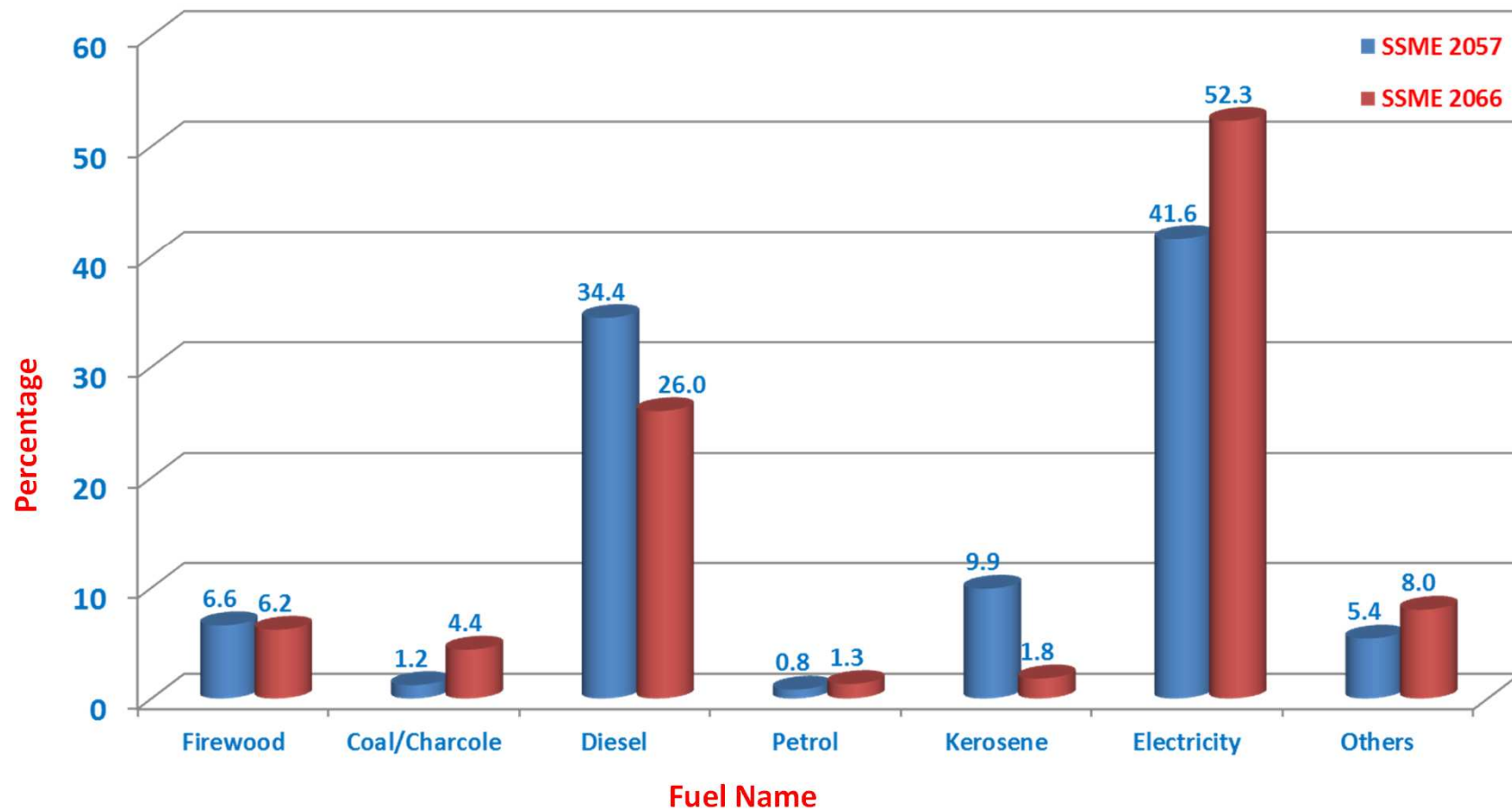
## Percentage share of number of industries and value added by size of persons engaged



Total Number of Establishments (Industries) = 32326

Total Value Added (In Rs '000) = 11458478

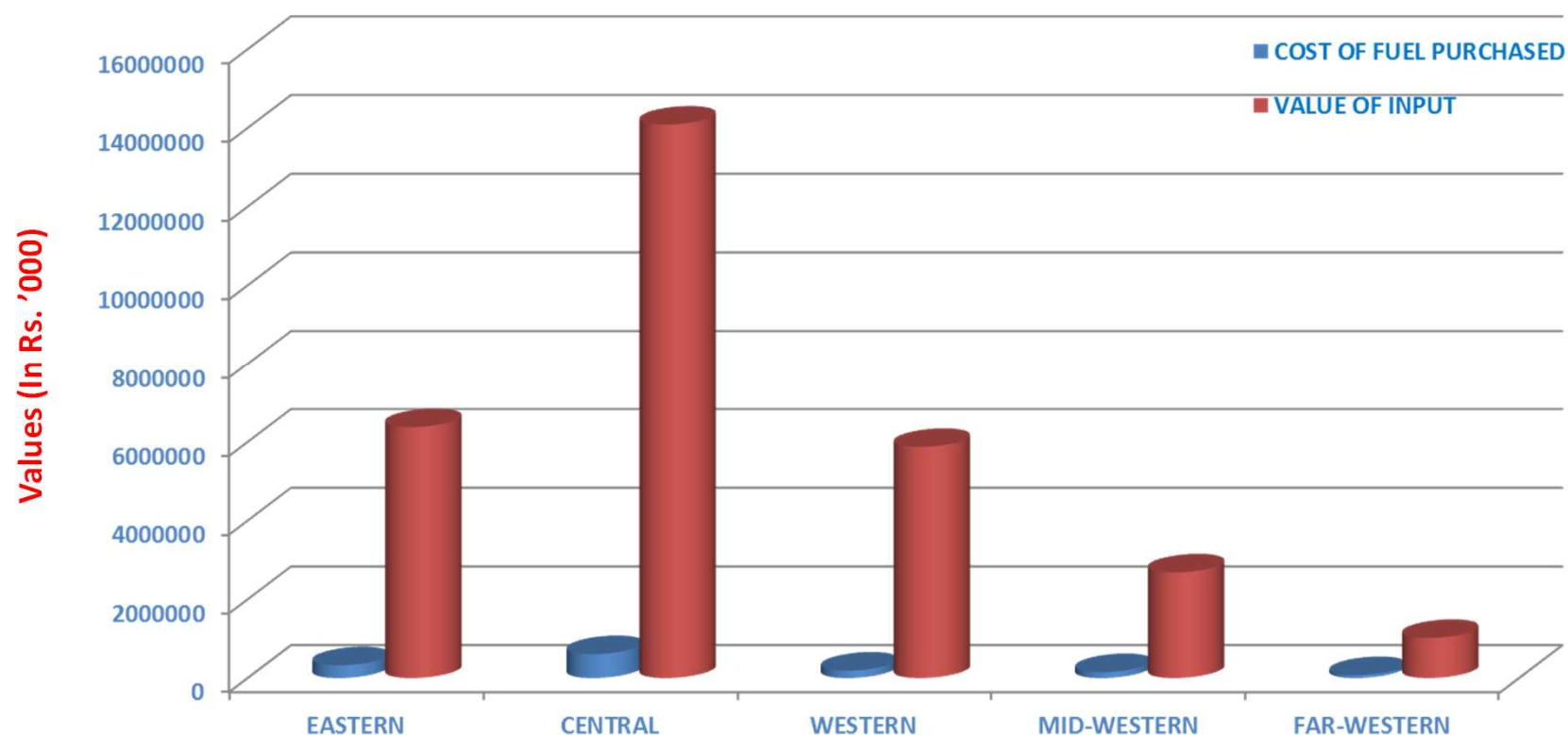
# Composition of fuel by fuel types



Total Cost of Fuel Purchased a) in SSME 2057 = Rs 779101 thousand and  
b) in SSME 2066 = Rs 1344585 thousand in current prices.

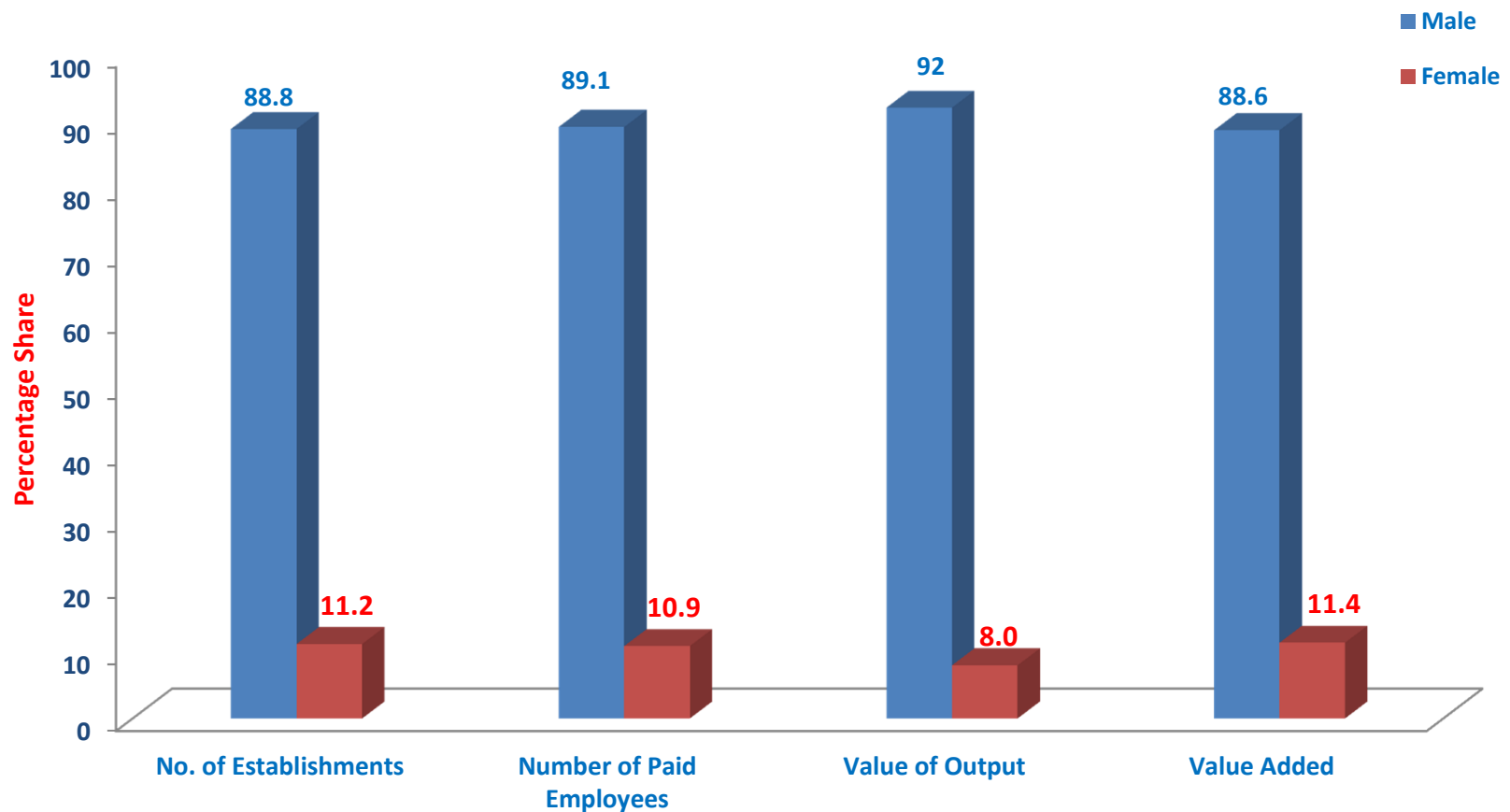


# Share of cost of fuel purchased in the value of input by development region



COST OF FUEL PURCHASED (IN RS. '000)	323131	607532	188644	150575	74703
VALUE OF INPUT (IN RS. '000)	6374900	14082660	5871657	2682862	1018960
PERCENT OF FUEL	5.1	4.3	3.2	5.6	7.3

## Percentage share of some indicators by sex of entrepreneur



## Cost of raw materials purchased by top 15 NSIC

SSME2057			SSME2066		
NSIC	Cost of Raw Materials Purchased (Rs. in Crore)	Percent	NSIC	Cost of Raw Materials Purchased (Rs. in Crore)	Percent
1531	1247	67.9	1531	634	24.8
3691	104	5.7	3691	605	23.6
3610	104	5.7	3610	266	10.4
1533	43	2.4	2811	178	7.0
1514	41	2.2	2010	123	4.8
2022	34	1.9	1520	81	3.2
1549	27	1.5	2696	68	2.7
1541	26	1.4	1810	59	2.3
2811	22	1.2	2022	45	1.8
1920	15	0.8	2695	42	1.7
2520	12	0.7	1514	42	1.6
2010	12	0.7	1541	42	1.6
1542	12	0.7	2520	36	1.4
2029	11	0.6	1533	35	1.4
1520	11	0.6	2221	34	1.3
Others	114	6.2	Others	269	10.5
Total Purchase	1835	100.0	Total Purchase	2559	100.0

# **Value of shipments in SSME 2057 and SSME 2066**

## **SSME 2057**

- Total receipt from sale of product - Rs. 2475 Crore
- Total number of products produced - 38 major products

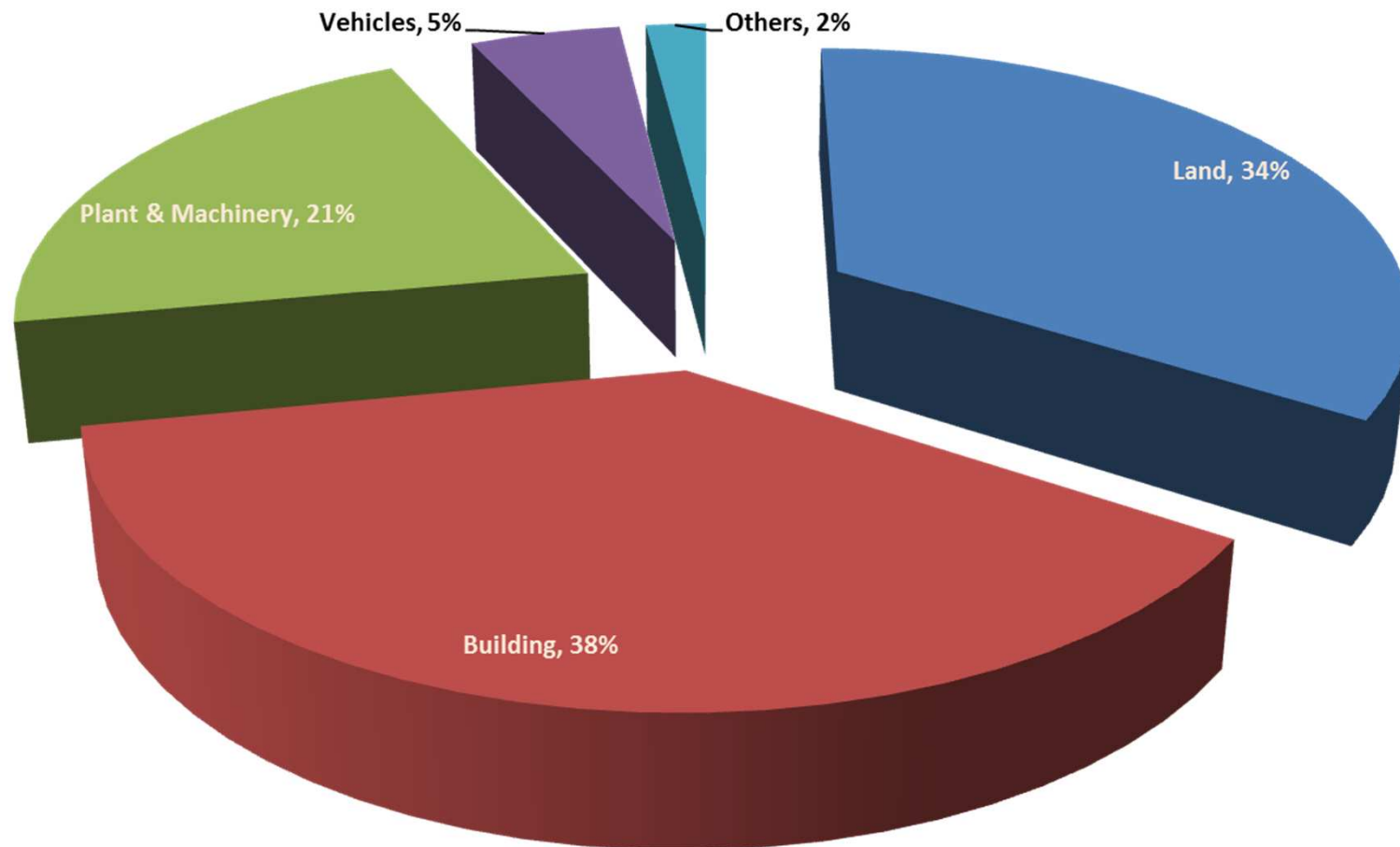
## **SSME 2066**

- Total receipt from sale of product - Rs. 3506 Crore
- Total number of products produced - 153 major products

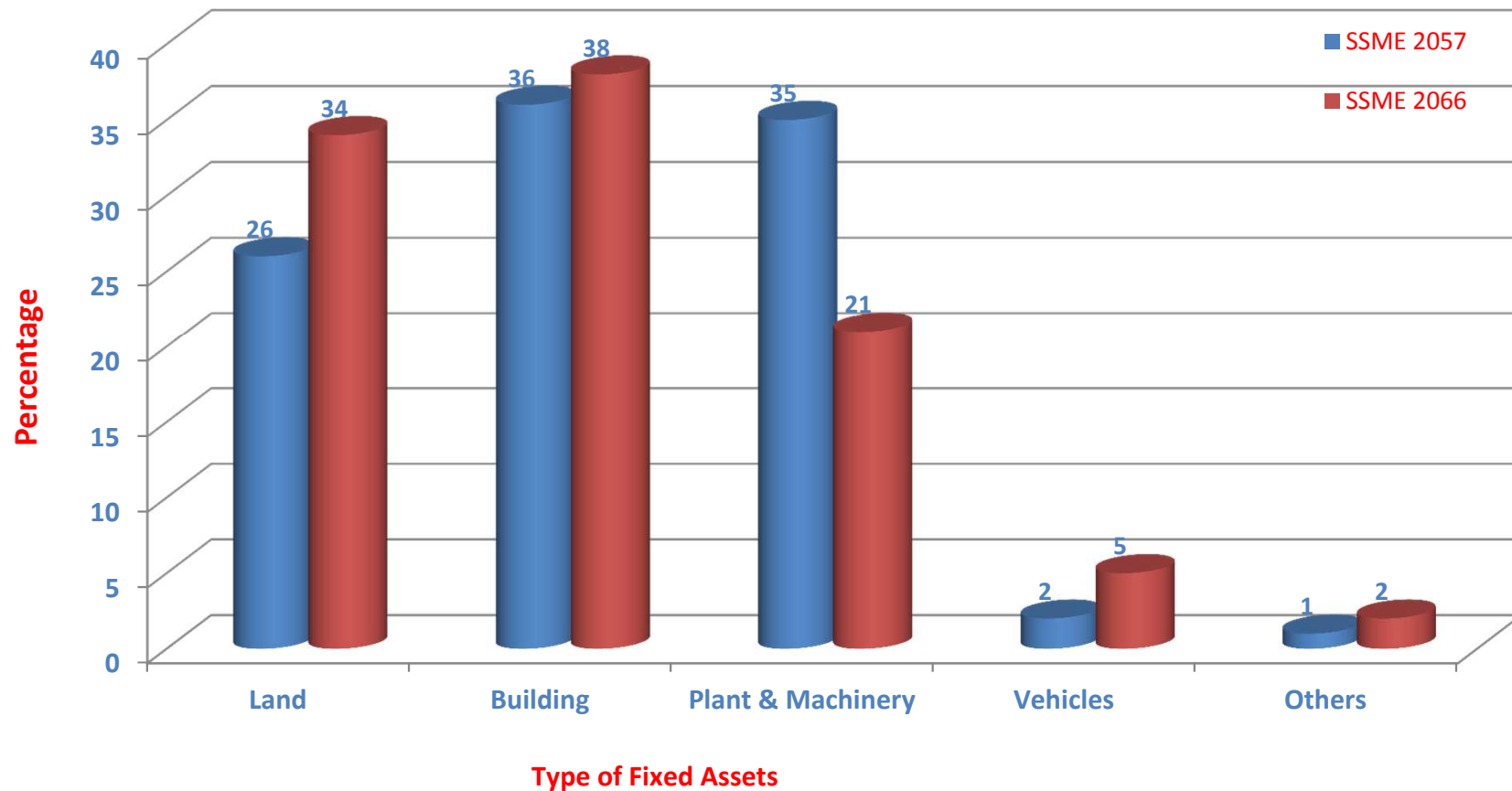
## Value of shipments by top 15 NSIC

SSME 2057			SSME 2066		
NSIC	Value of Sale (In Rs. Crore)	Percent	NSIC	Value of Sale (In Rs. Crore)	Percent
1531	1597	64.6	1531	771	22
3610	146	5.9	3691	691	19.7
3691	138	5.6	3610	434	12.4
1533	56	2.3	2811	238	6.8
1514	54	2.2	2010	169	4.8
1541	50	2.0	2696	111	3.2
2811	39	1.6	1520	109	3.1
2022	38	1.5	1810	96	2.7
1549	34	1.4	1541	76	2.2
1920	29	1.2	1711	76	2.2
2221	20	0.8	2695	76	2.2
2010	19	0.8	2022	61	1.7
2029	18	0.7	1514	57	1.6
2891	17	0.7	2221	57	1.6
1520	16	0.6	2520	49	1.4
Others	204	8.2	Others	435	12.4
Total Sale	2475	100.0	Total Sale	3506	69100.0

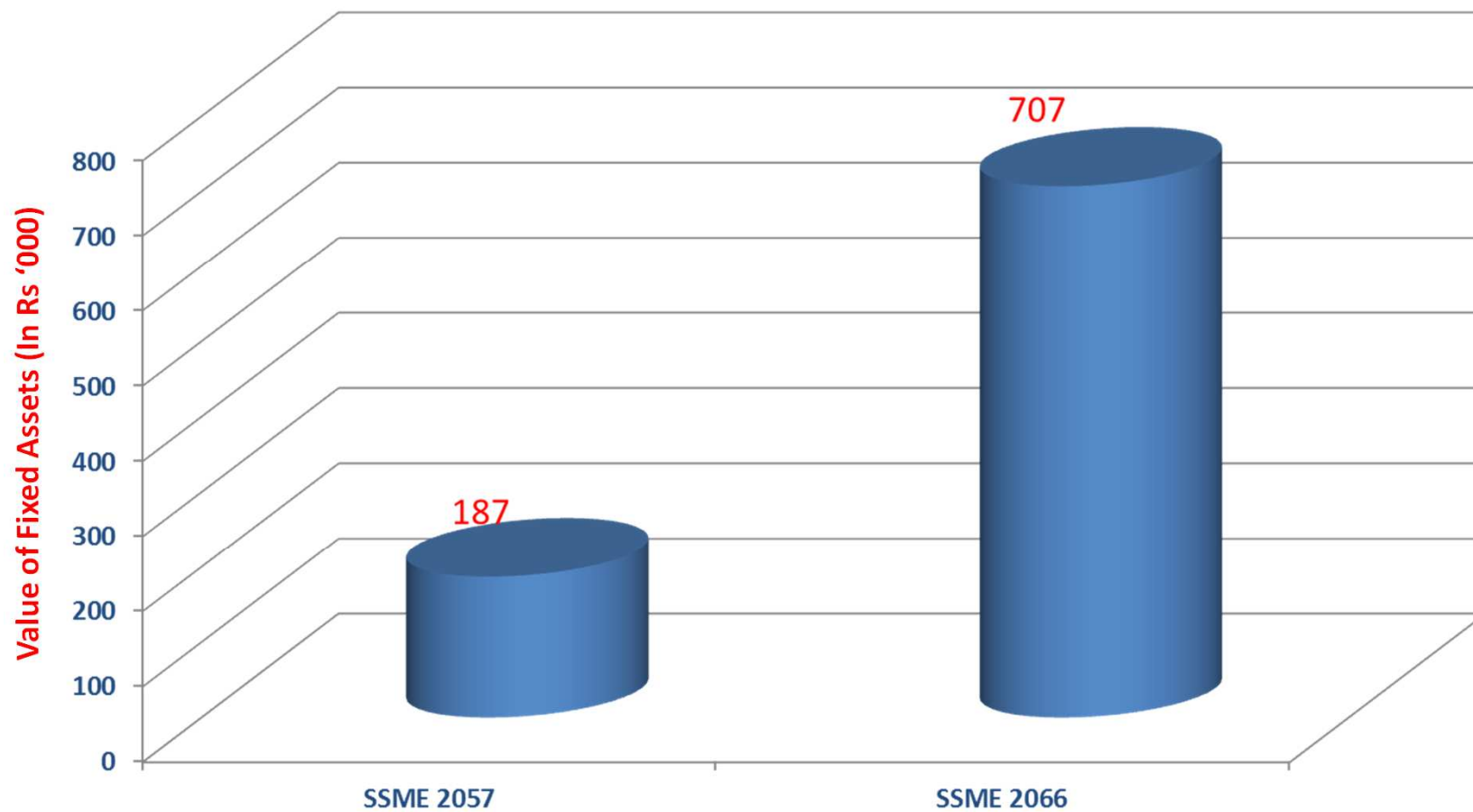
# Distribution of fixed assets



## Percentage of total value of fixed assets at the end of the reference period

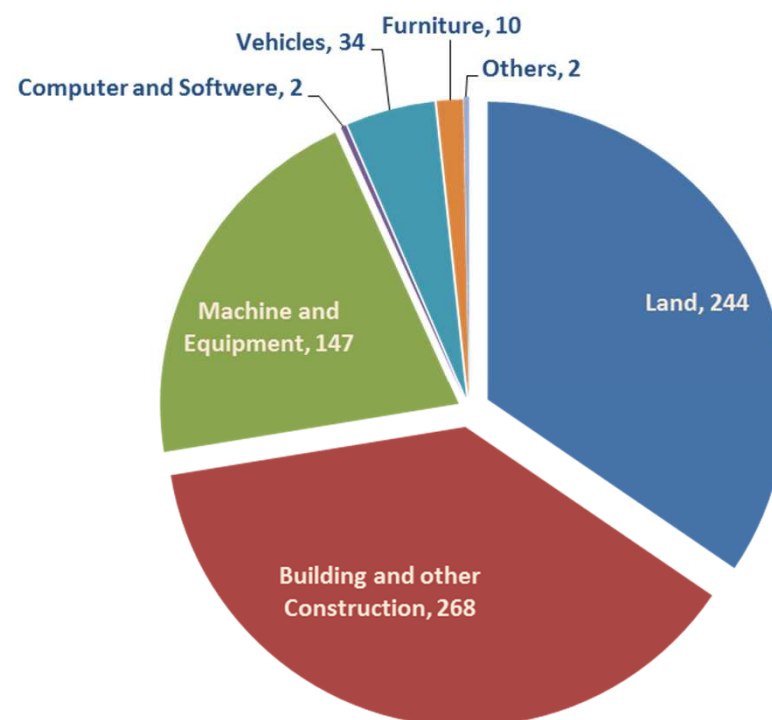


## Per establishment value of fixed assets owned by small establishments

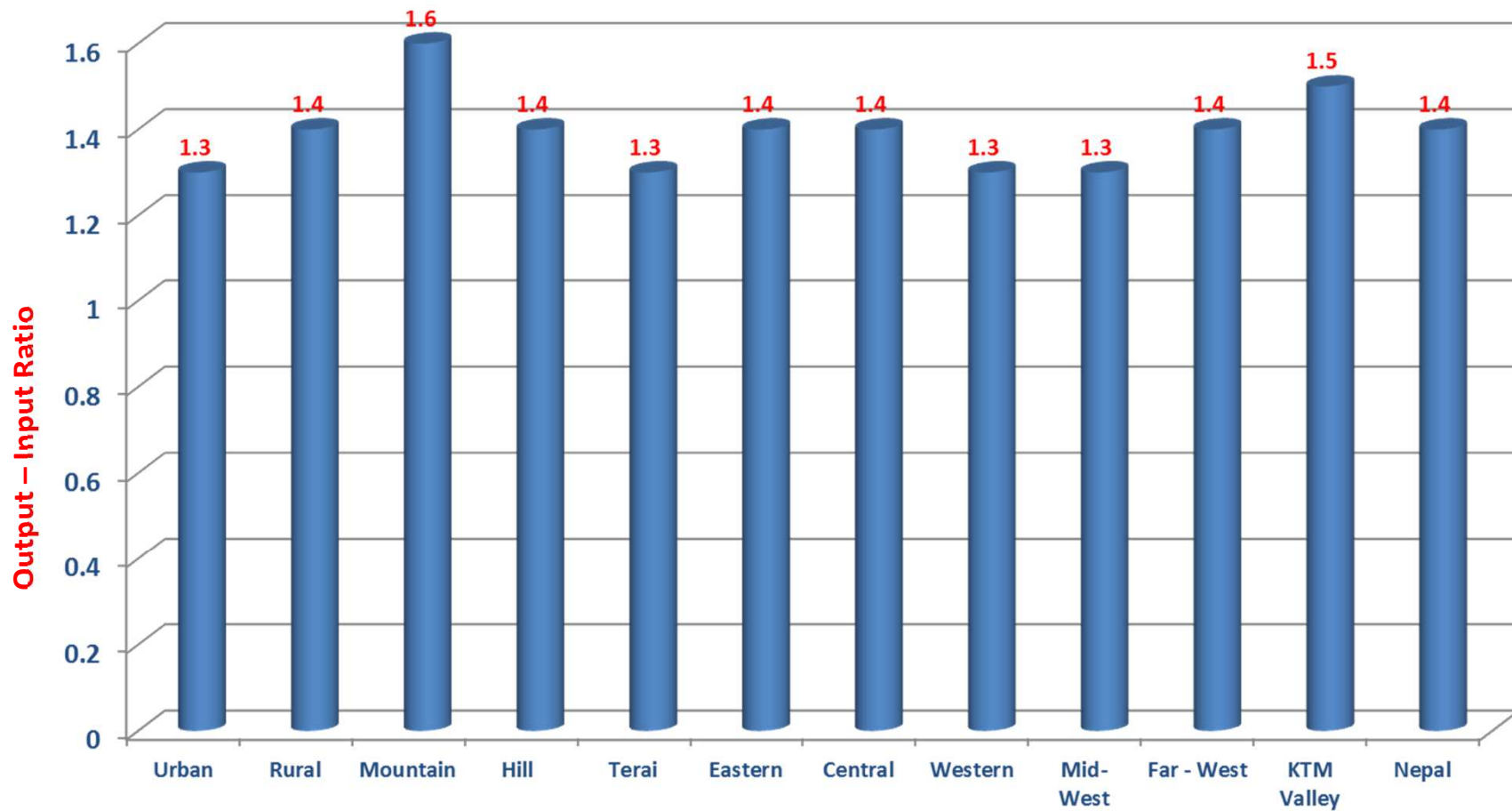




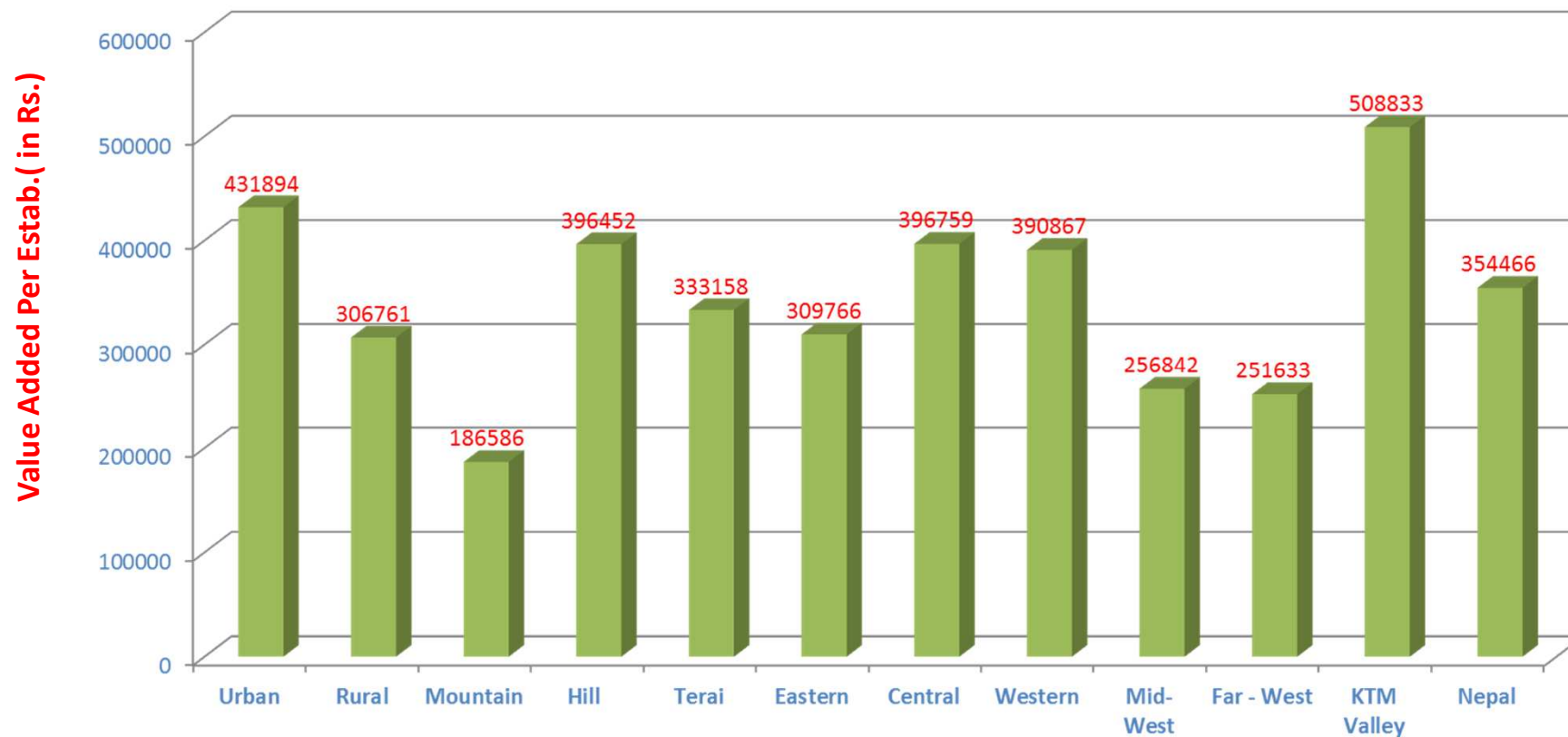
## Distribution of per establishment fixed assets (Rs. 707 thousand)



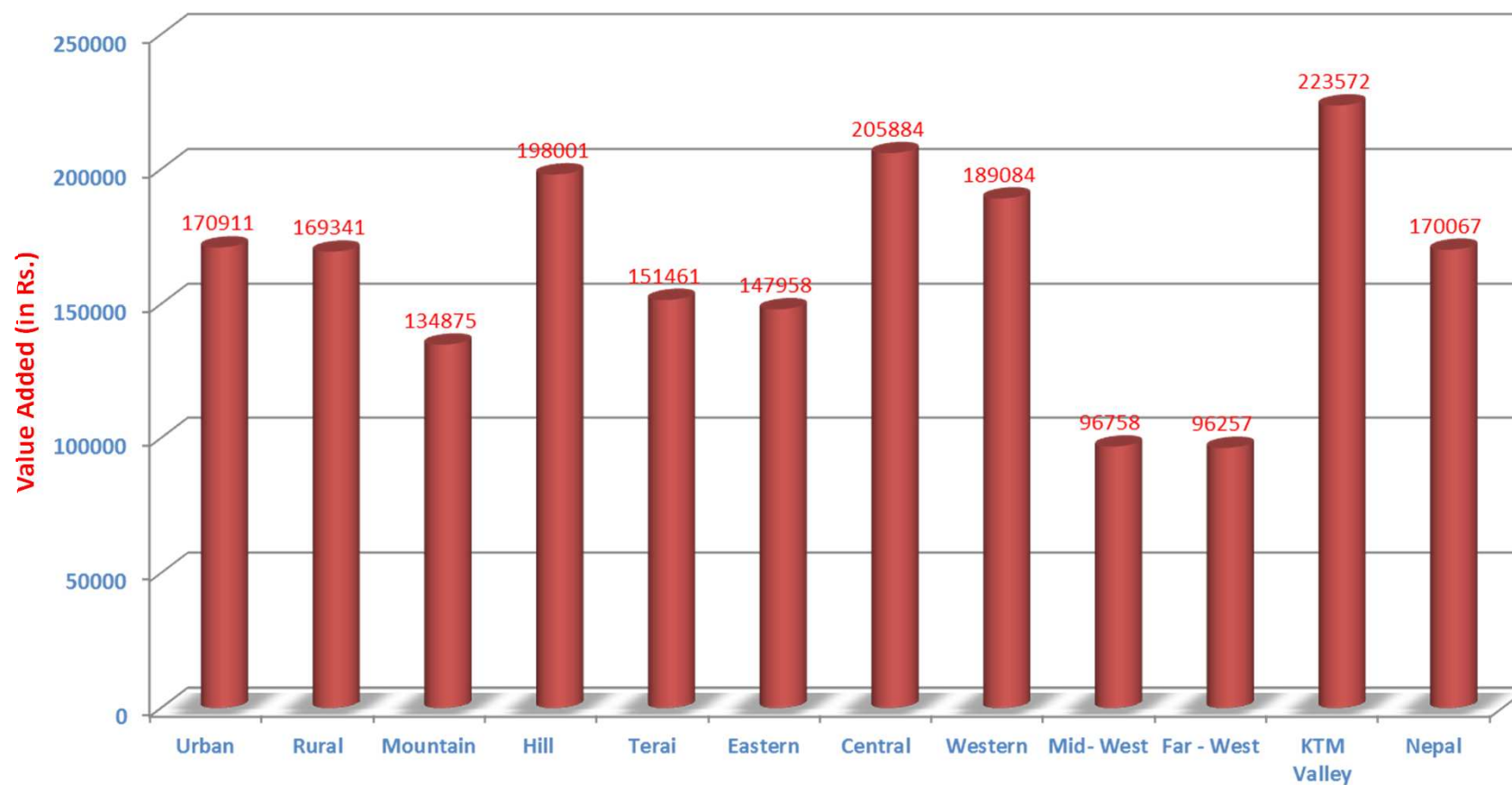
# Output-input ratios in SSME 2066



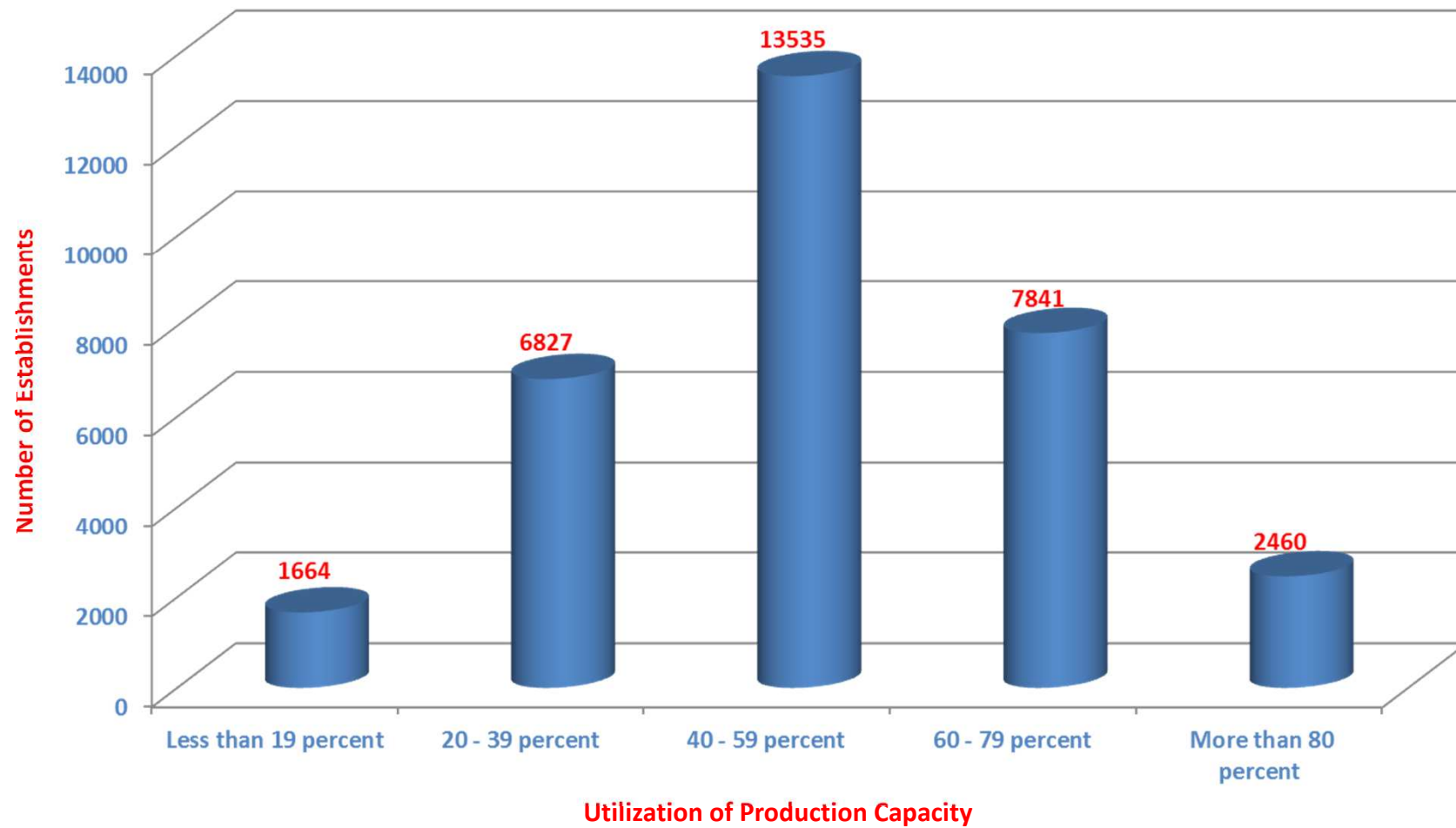
# Value added per establishment in SSME 2066



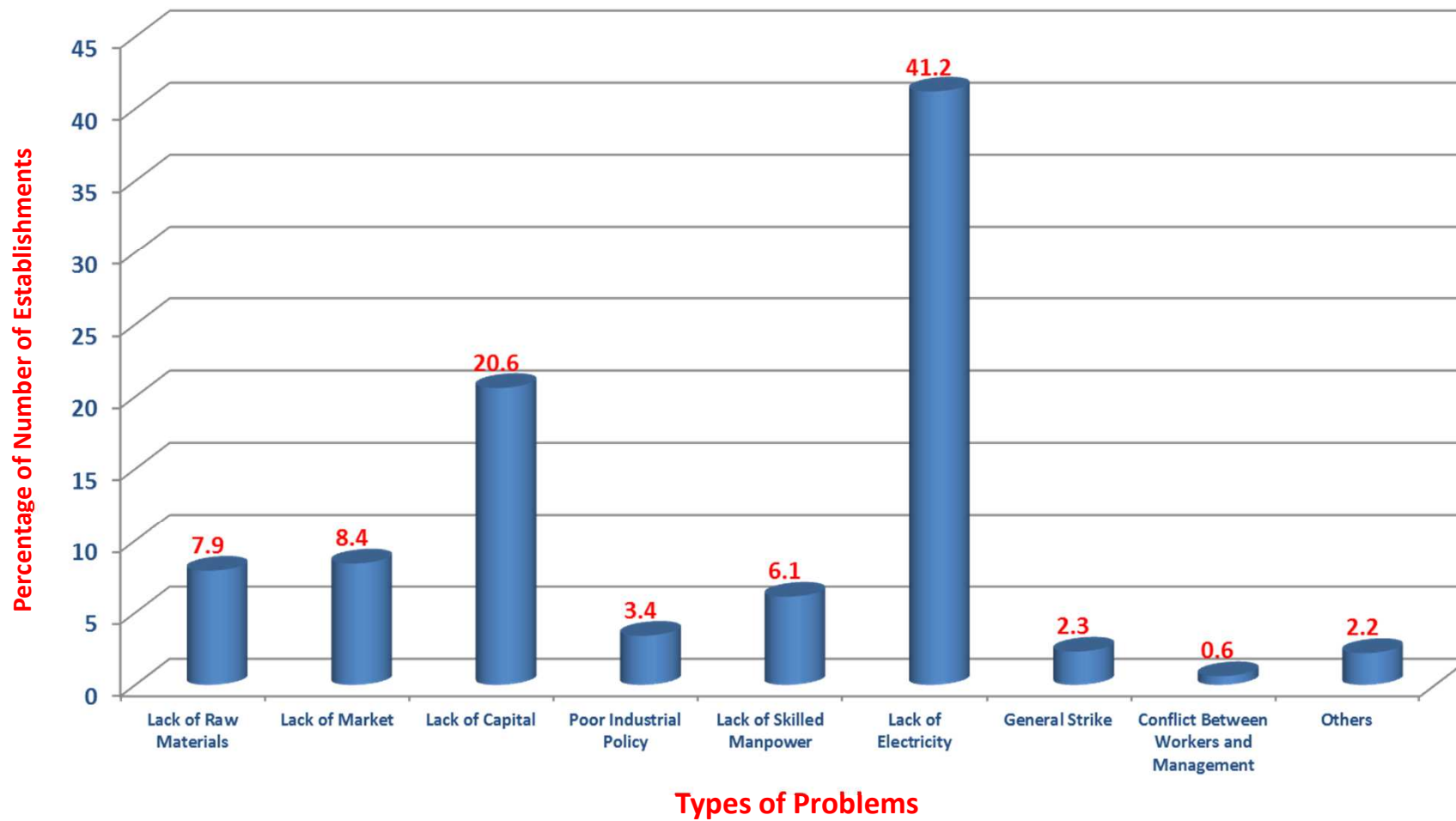
# Value added per employees in SSME 2066



## Number of establishments by capacity utilization



## Problems faced by small manufacturing sector (Problems of first priority)



## Percentage distribution of number of establishments and contribution to GVA by development region

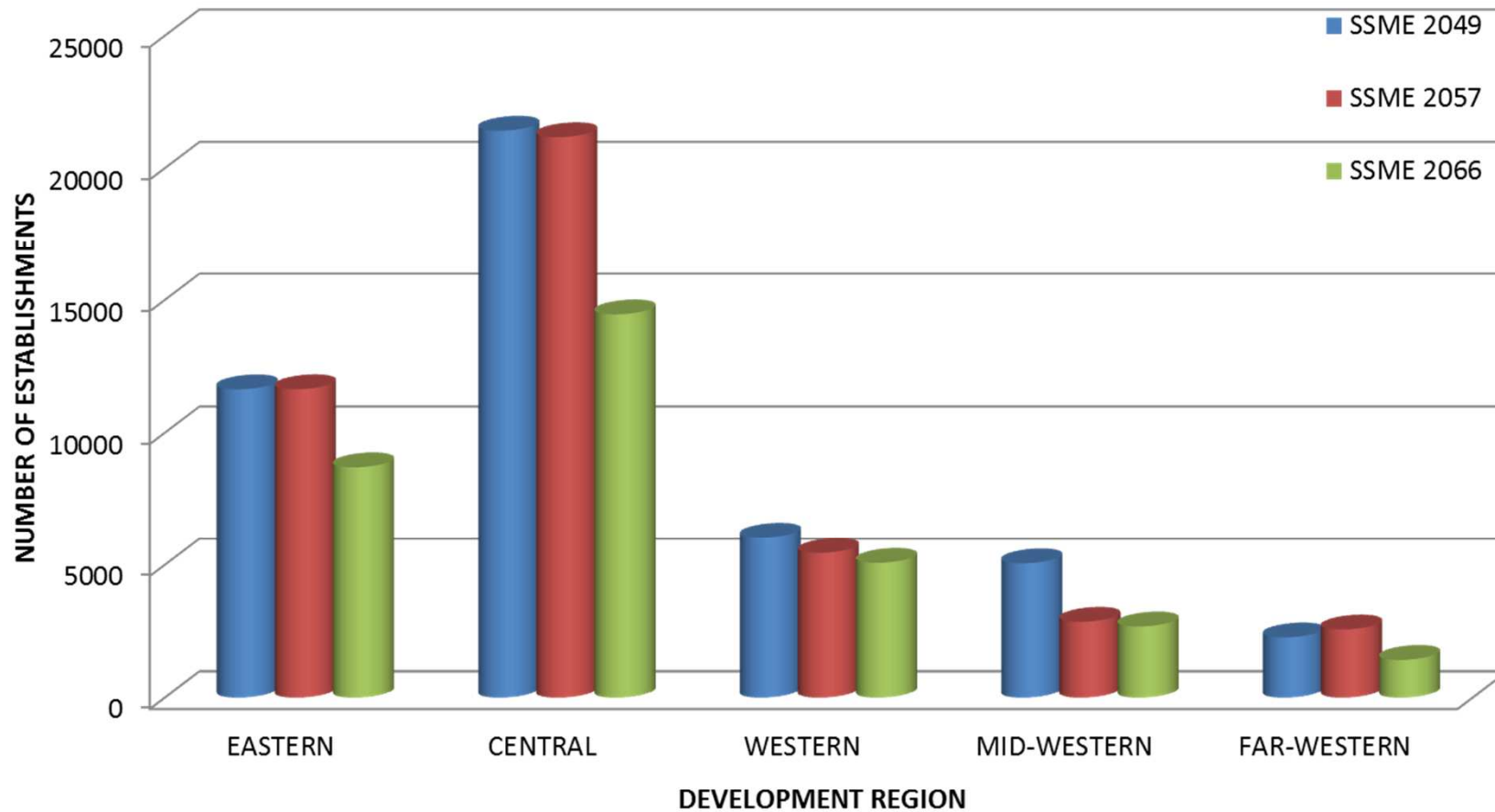
Development region	Number of industries (in percent)		Contribution to GVA (in percent)	
	SSME 2057	SSME 2066	SSME 2057	SSME 2066
<b>Eastern</b>	<b>26.7</b>	<b>26.9</b>	<b>23.0</b>	<b>23.5</b>
<b>Central</b>	<b>48.5</b>	<b>44.7</b>	<b>39.1</b>	<b>50.1</b>
<b>Western</b>	<b>12.5</b>	<b>15.7</b>	<b>26.0</b>	<b>17.3</b>
<b>Mid Western</b>	<b>6.5</b>	<b>8.3</b>	<b>7.4</b>	<b>6.0</b>
<b>Far western</b>	<b>5.9</b>	<b>4.4</b>	<b>4.5</b>	<b>3.1</b>
<b>Total (%)</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Total Value</b>	<b>43671</b>	<b>32326</b>	<b>6482554</b>	<b>11458478</b>

## Percentage distribution of number of persons engaged, number of employees and gross fixed assets by development region

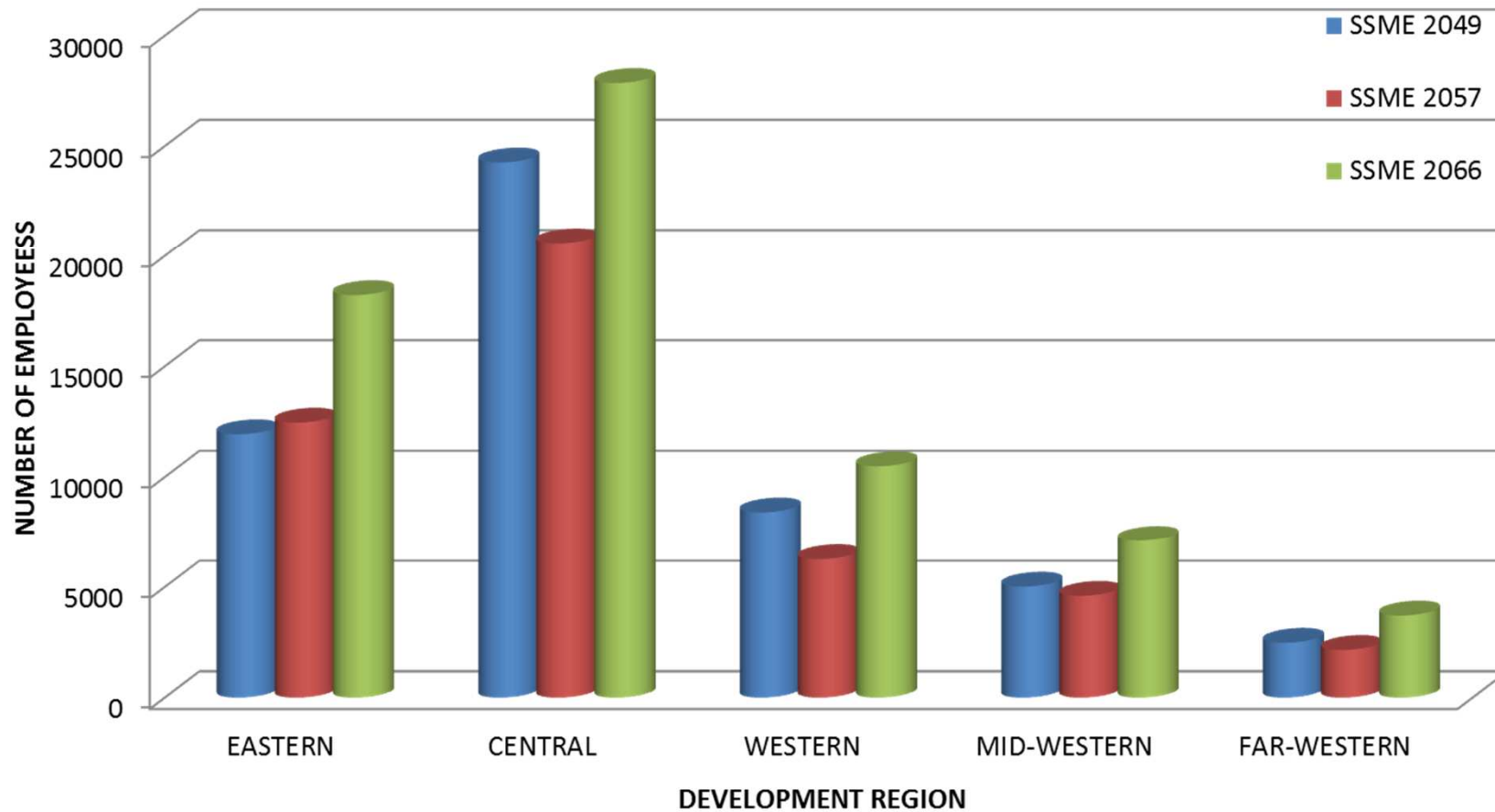
Development region	Number of persons engaged (in percent)		Number of employees (in percent)		Gross fixed assets (in percent)	
	SSME 2057	SSME 2066	SSME 2057	SSME 2066	SSME 2057	SSME 2066
<b>Eastern</b>	<b>25.8</b>	<b>27.7</b>	<b>27.1</b>	<b>27.0</b>	<b>23.4</b>	<b>20.8</b>
<b>Central</b>	<b>50.3</b>	<b>41.3</b>	<b>44.7</b>	<b>41.3</b>	<b>45.1</b>	<b>46.4</b>
<b>Western</b>	<b>12.0</b>	<b>15.8</b>	<b>13.6</b>	<b>15.6</b>	<b>13.9</b>	<b>20.3</b>
<b>Mid Western</b>	<b>7.7</b>	<b>10.1</b>	<b>10.0</b>	<b>10.5</b>	<b>13.7</b>	<b>7.9</b>
<b>Far western</b>	<b>4.2</b>	<b>5.2</b>	<b>4.7</b>	<b>5.5</b>	<b>4.0</b>	<b>4.6</b>
<b>Total (%)</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Total Value</b>	<b>121270</b>	<b>122200</b>	<b>46051</b>	<b>67376</b>	<b>8165338</b>	<b>22860914</b>



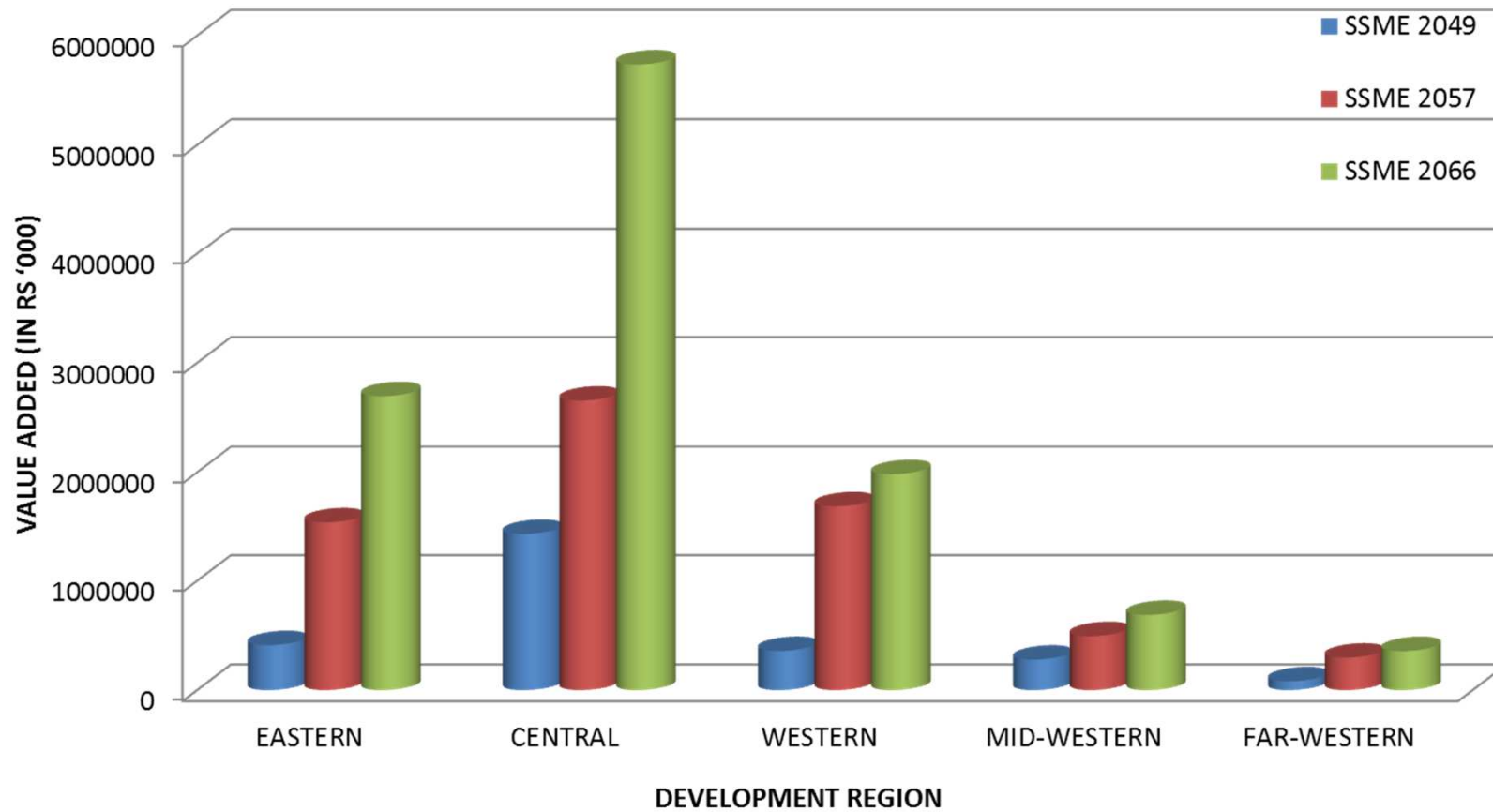
# NUMBER OF ESTABLISHMENTS BY DEVELOPMENT REGIONS



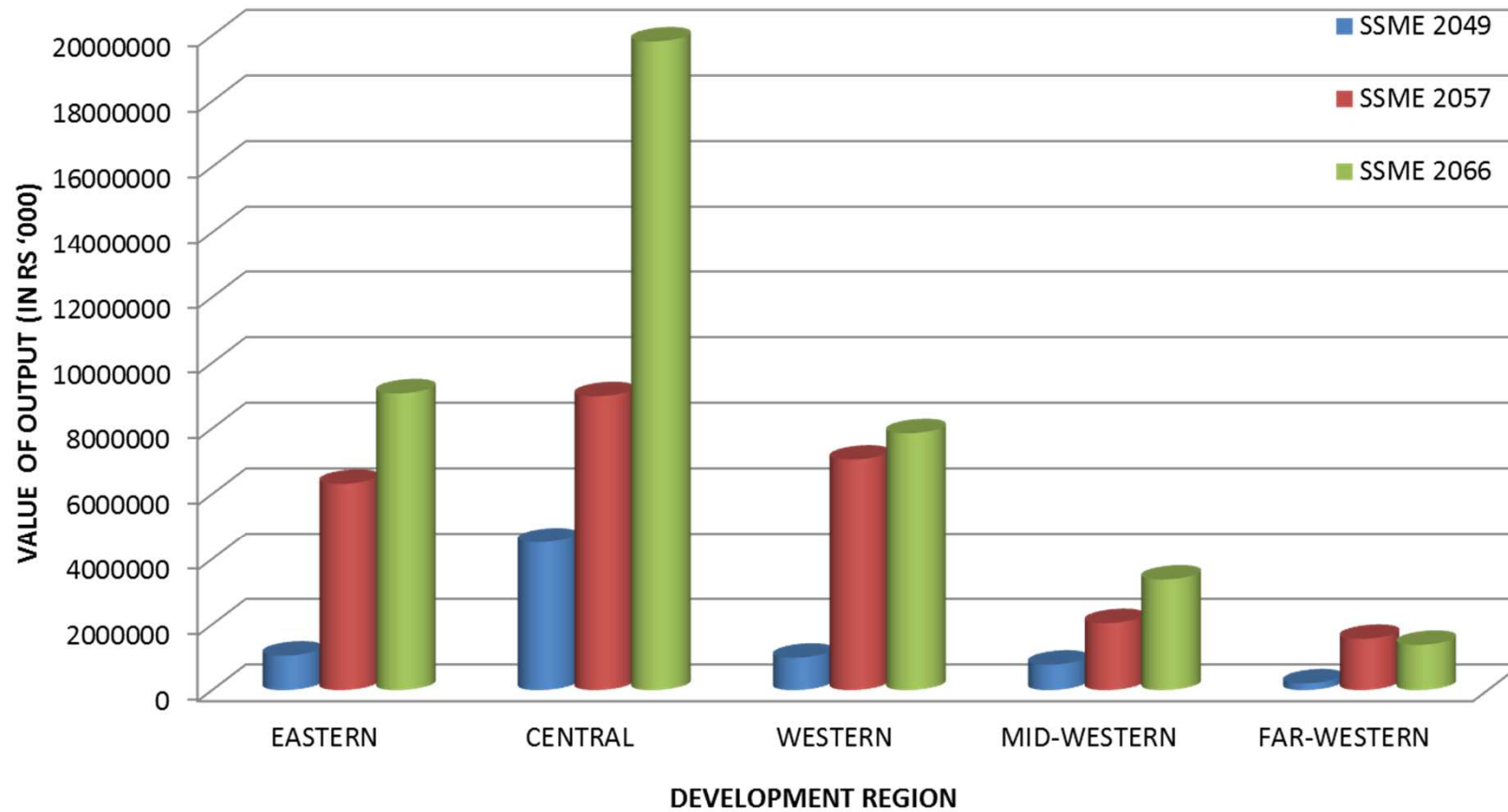
# NUMBER OF PAID EMPLOYEES BY DEVELOPMENT REGIONS



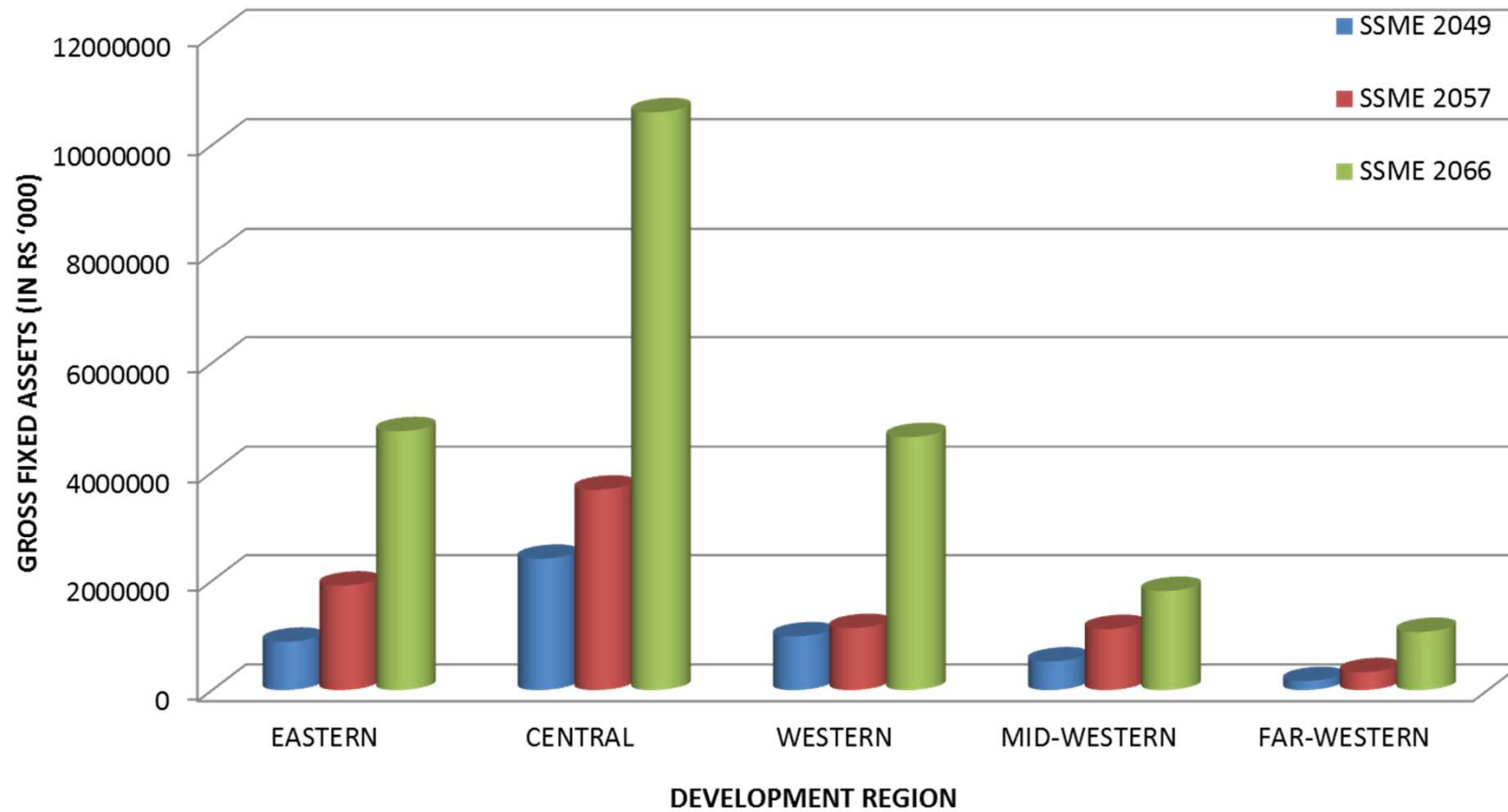
# VALUE ADDED BY DEVELOPMENT REGIONS



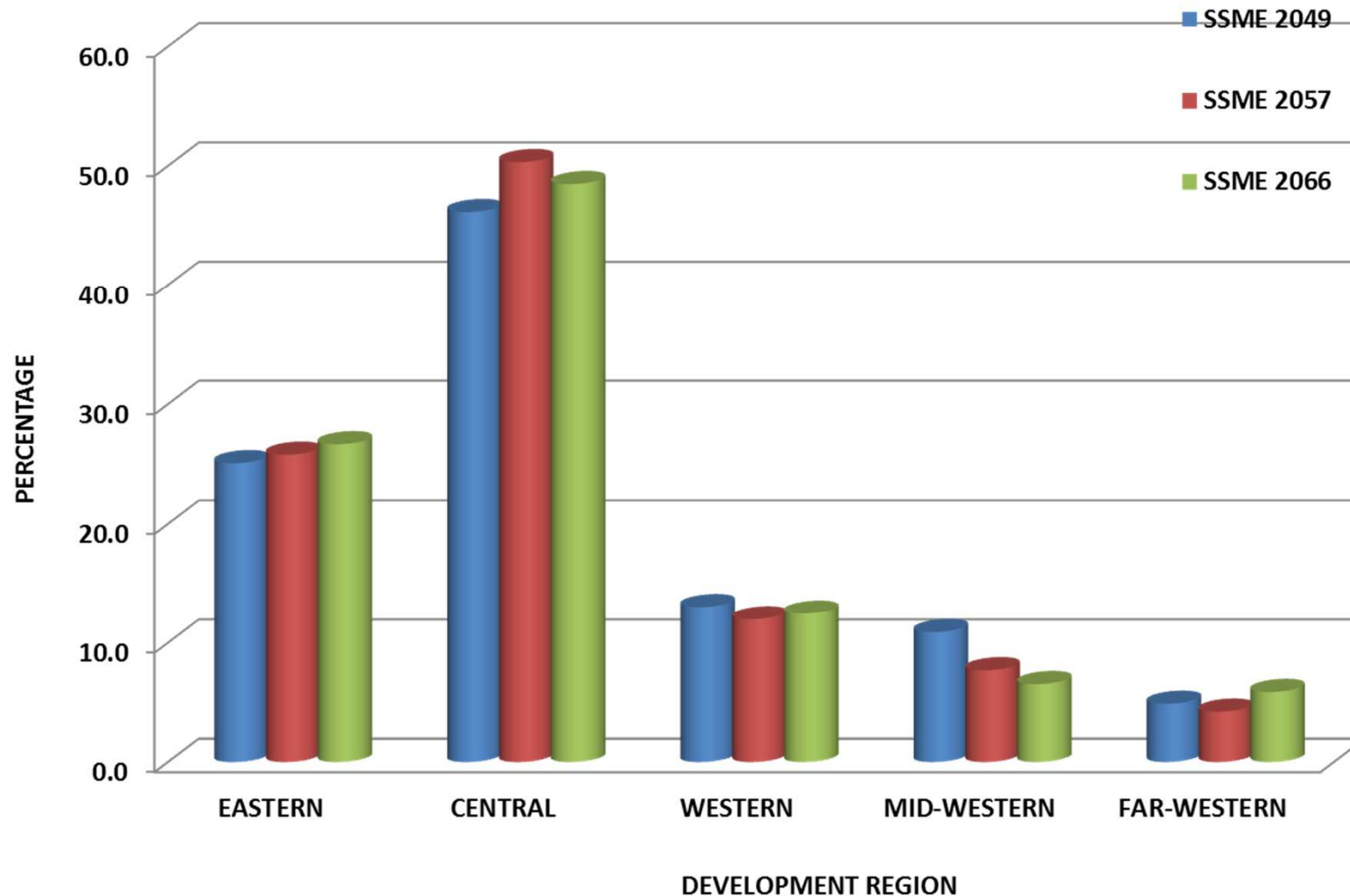
# VALUE OF OUTPUT BY DEVELOPMENT REGIONS



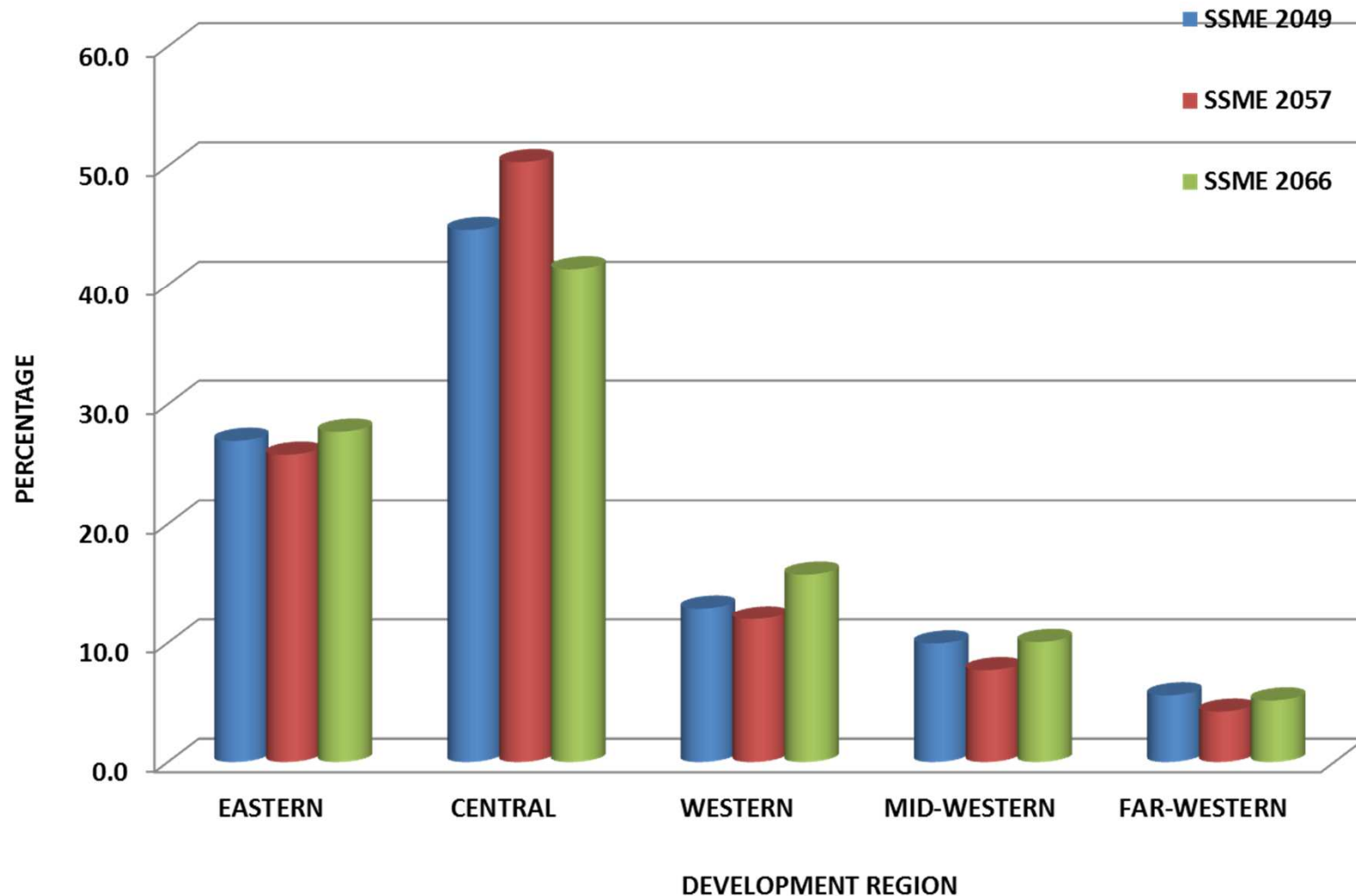
# GROSS FIXED ASSETS AT THE END OF THE YEAR BY DEVELOPMENT REGIONS



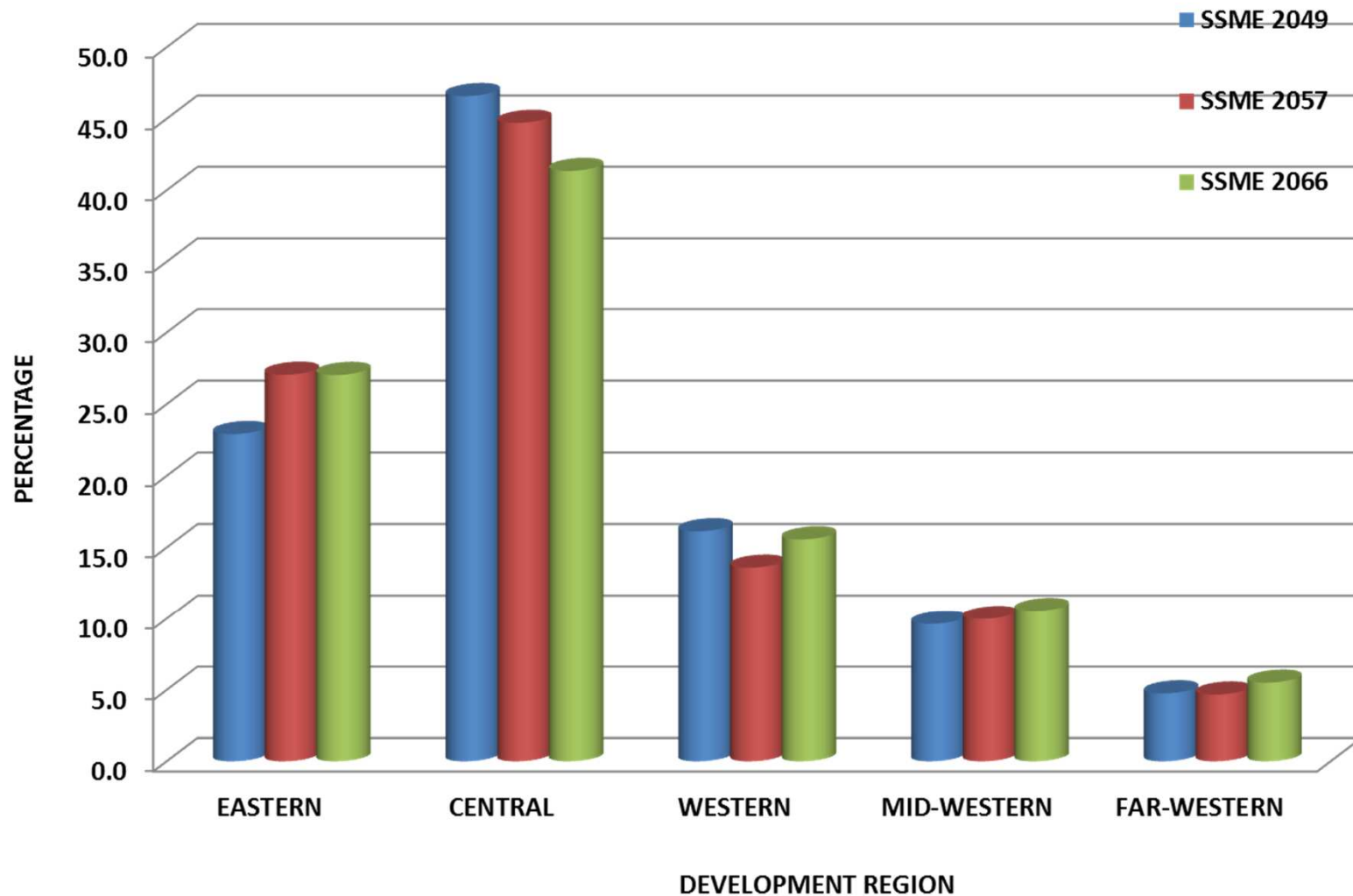
## PERCENTAGE SHARE OF NUMBER OF ESTABLISHMENTS OF SMALL MANUFACTURING SECTOR BY DEVELOPMENT REGION



## PERCENTAGE SHARE OF NUMBER OF PERSONS ENGAGED IN SMALL MANUFACTURING SECTOR BY DEVELOPMENT REGION

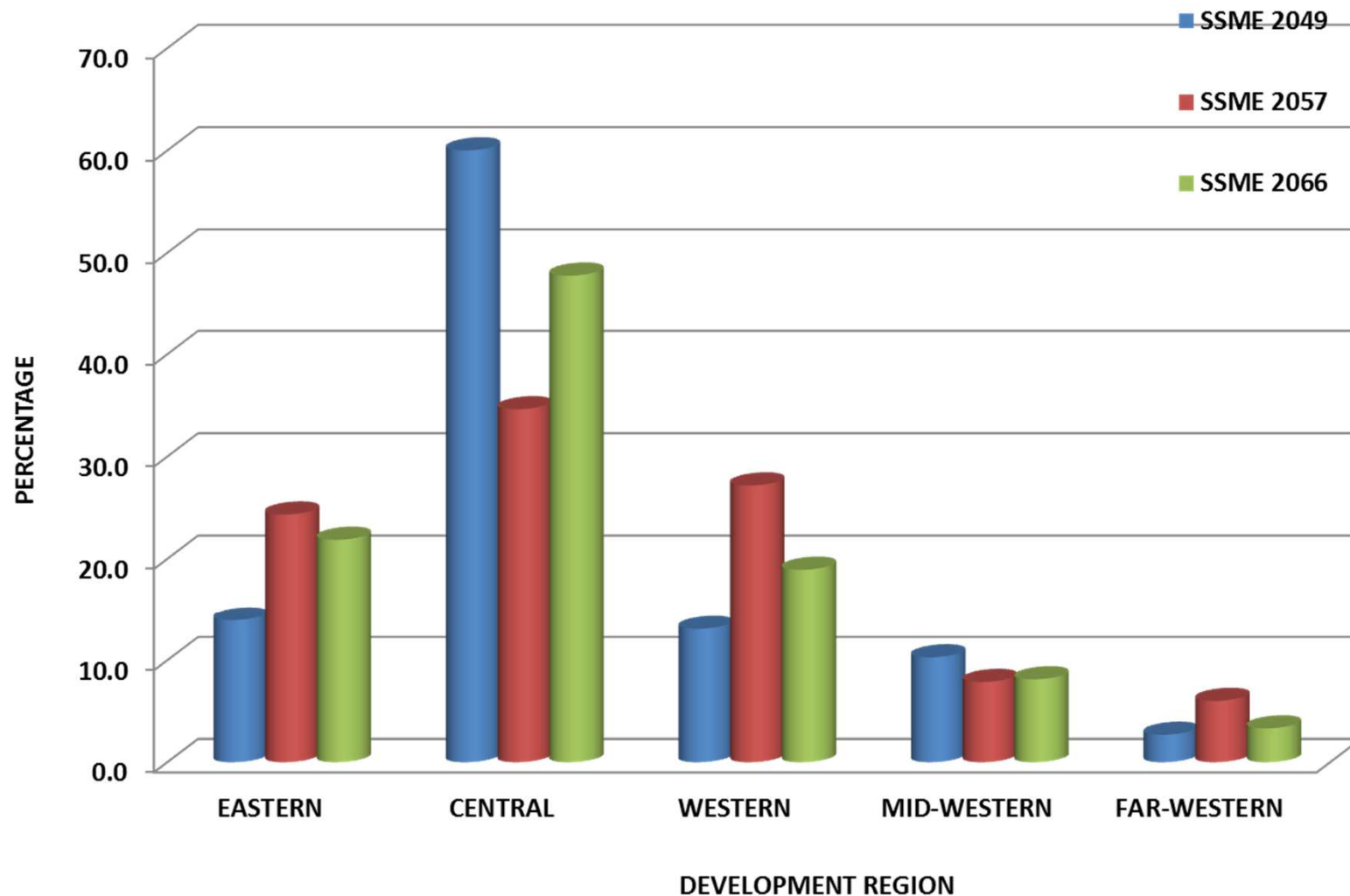


## PERCENTAGE SHARE OF NUMBER OF EMPLOYEES OF SMALL MANUFACTURING SECTOR BY DEVELOPMENT REGION

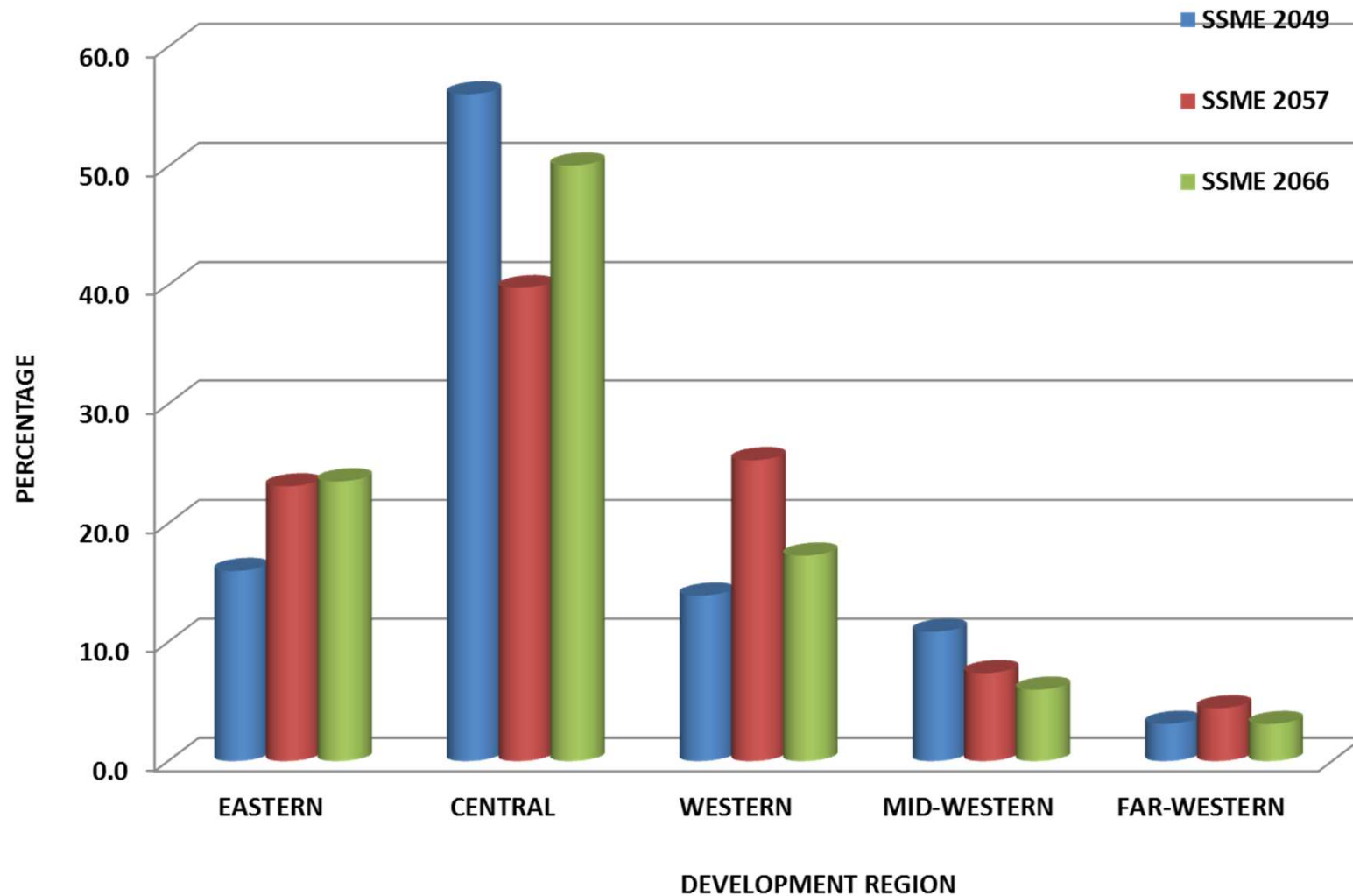




## PERCENTAGE SHARE OF VALUE OF OUTPUT OF SMALL MANUFACTURING SECTOR BY DEVELOPMENT REGION



## PERCENTAGE SHARE OF VALUE ADDED OF SMALL MANUFACTURING SECTOR BY DEVELOPMENT REGION



# SOME INDICATORS FOR COMPARISON

Description	SSME 2049	SSME 2056	SSME 2066
GDP at Current Prices (In Rs Crore)	12037	34204	99132
GVA of Manufacturing Sector (In Rs Crore)	798	3034	6417
Share Manufacturing Sector in GDP (%)	6.6	8.9	6.5
GVA of SME (In Rs Crore)	248	648	1146
Share of SME in GDP (%)	2.1	1.9	1.2
Share of SME in Manufactuirng Sector (%)	31.1	21.4	17.9
Total Output of SME (In Rs Crore)	754	2597	4149
Output-Input Ratio	1.5	1.3	1.4
Per Industry Persons Engaged	3	3	4
Total Number of Paid Employees	54081	46051	67376
Per Industry Paid Employees	1	1	2
Per Paid Employees Monthly Salary (In Rs Thousand)	1.05	1.99	4.43
Per Industry Total Output (In Rs Thousand)	162	595	1283
Per Paid Employees Total Output (In Rs Thousand)	145	564	616
Per Industry GVA (In Rs Thousand)	53	148	354
Per Employees GVA (In Rs Thousand)	48	141	170
Per Industry Fixed Asset (In Rs Thousand)	107	187	707
Per Paid Employees Fixed Asset (In Rs Thousand)	95	177	339

**THANK YOU**