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GOVERNMENT OF INDIA  
MINISTRY OF INDUSTRY AND SUPPLY

Dr. Syama Prasad Mookerjee, Minister



**DIRECTORATE OF INDUSTRIAL  
STATISTICS**

Prof. H. Ghosh, Director

**FIRST CENSUS OF MANUFACTURES  
INDIA-1946**

**(STATISTICS BY INDUSTRIES AND PROVINCES)**

---

**VOLUME II**

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## DIRECTORATE OF INDUSTRIAL STATISTICS

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DESPITE EVERY CARE TAKEN IN THE PRINTING OF THIS REPORT, CERTAIN MISTAKES HAVE UNFORTUNATELY CREPT IN. THE FOLLOWING LIST OF ERRATA IS MAINLY CONFINED TO FIGURES IN THE VARIOUS TABLES OF THE REPORT.

ERRATA  
VOLUME II

Page	Table No.	Item	Column No.	For	Read
ni	Production Charts.	4	Facing page	127	125
346	17.11 (A)	Heading	4	by-products	by-products*
346	17.11 (A)	Heading	5	*products	products
355	18.5 (A)	Total	5	80,11,493	44,80,11,493
371	18.11 (B)	Total	9	52,88,97	52,88,697
392	18.13 (E)	8	17	,22,58,164	1,22,58,164
396	18.13 (M)	Sub-heading	46	[Cols. (37) to (45)]	[Col. 4 + Cols. (37 to 45)]
404	19.4 (B)	2	10	1,1,29,315	1,15,29,315
414	19.11 (D)	3	19	2,10,161	42,10,161
436	20.11 (C)	Total	17	,714	4,25,714
444	21.4 (B)	1	6	(blank)	2,16,524
444	21.4 (B)	5	10	35,61,3 1	35,61,321
448	21.8 (A)	4	7	1,82	1,826
453	21.9 (E)	4	23	43,532	43,732
457	21.9 (L)	Total	55	6,82, 86	6,82,186
464	21.11 (A)	Total	4	64,376	8,64,376
465	21.11 (C)	Total	17	21,73,81	21,73,810
467	21.11 (F)	Total	33	20,71,72	20,71,727
467	21.11 (G)	Total	38	1,37,738	1,37,73,338
489	22. 9 (C)	1	15	1,2,39,180	1,21,39,180
489	22. 9 (C)	2	11	37,98,67	37,98,670
511	23. 8 (B)	Total	10	12	123
512	23. 8 (E)	Total	24	1,03,16	1,03,166

Page	Table No.	Item	Column No.	For	Read
513	23. 9 (A)	Sub-Heading	(under "Principal materials")	Iron and steel	Iron and steel
513	23.9 (A)	Total	6	1,34,72,	1,34,72,292
515	23.9 (F)	..	29	All other packing materials.	All other packing materials <sup>†</sup> .
516	23.9 (G)	3	4	51,40,87	51,40,870
516	23.9 (G)	5	4	5,82,216	5,82,215
516	23.10 (A)	1	2	71,58	71,58 2
517	23.10 (B)	2	9	5	425
517	23.10 (B)	2	10	5,3	5,311
520	23.11 (G)	1	34	2,76,74,518	2,76,74,618
524	23.12 (G)	Total	37	33,90,22,153	33,90,22,155
538	24. 9 (D)	..	4	15,57,487	15,57,485
551	25.11 (A)	..	7	1,41,138	10,41,138
585	28. 5 (A)	2	4	2,4	2,425
592	28.10	Total	5	19,073	19,093
594	28 14	Sub-Heading	5	[Col. (2) Col. (3) Col. (4)]	[Col. (2)-Col. (3)-Col. (4)]
603	29. 6 (B)	Unit	11	(blank)	Cwt.
604	29. 7 (B)	1	13	51, 6,232	51,16,232
606	29. 8 (D)	Total	17	540	85,440
606	29. 8 (E)	Sub-Heading	26	Total	Tin
607	29. 8 (F)	5, 7 and 8	28, 29 and 27	Normal	Nommal
608	29. 8 (H)	7	40	345	6,345
609	29. 9 (B)	7	11	1 0,213	13,70,213
611	29. 9 (G)	..	31	for for	for
612	29. 9 (I)	Footnote	..	29.8 (H)	29.8 (G) and (H)
635	24. 1	Chapter XXVII.	..	factory	industry

## CHAPTER XX

### 17. MATCHES



## 17. MATCHES

The consolidated figures relate to 84% of the factories in the provinces of the Indian Union.

The productive capital employed in the industry was over a crore of rupees, more than half of which was working capital. Factories in West Bengal and Madras seem to be smaller than those in other provinces. The average capital employed per factory was 2·3 lakhs of rupees in West Bengal, 2·8 lakhs of rupees in Madras, and 7 lakhs of rupees in the remaining provinces.

The industry employed over 10,000 persons, most of whom were directly employed by factories. Over 10% of the workers were women.

The industry manufactured about 18 million gross boxes of matches. The selling value (exclusive of excise duty) was over 4½ crores of rupees or a little over a piñe per box.

The value added by manufacture was over 2½ crores of rupees, which is more than double the productive capital employed. The value added averaged at 10 lakhs of rupees per factory, Rs. 2,620 per person employed and 1·4·0 per man-hour. Employees received 27% of the value added as salaries, wages, and other benefits. The average amount received by a worker as wages and other benefits was Rs. 2-10-0 per day.



TABLE 17-1.—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns)
		Number	Per cent. per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal	7	7	100	..	286
2. Bombay .	5	4	80	..	298
3. Madras .	11	7	64	..	260
4. U. P. .	4	4	100	2	208
5. Bihar .	..	..	..	..	..
6. East Punjab	..	..	..	..	..
7. C. P. & Berar	2	2	100	..	186
8. Delhi .	..	..	..	..	..
9. Orissa .	..	..	..	..	..
10. Assam .	2	2	100	..	230
11. Ajmer- Merwara. }	..	..	..	..	..
TOTAL .	31	26	84	2	261

TABLE 17·2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province	Fixed capital			
	Land and buildings	Plant and machinery	Other fixed assets	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	4,00,771	3,46,150	9,087	7,56,008
2. Madras . . . . .	5,50,057	64,298	1,73,900	7,88,255
3. Bombay, U. P., C. P. & Berar and Assam. } . . . . .	18,01,982	17,59,521	4,30,825	39,92,328
<b>TOTAL</b> . . . . .	<b>27,52,810</b>	<b>21,69,969</b>	<b>6,13,812</b>	<b>55,36,591</b>

TABLE 17·2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital			Total productive capital employed*	Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels	Stock of products and by-products	Total*		
	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal.	6,00,259	2,47,732	8,47,991	16,03,999	5,696
2. Madras . . . . .	9,68,597	1,97,041	11,65,638	19,53,893	4,945
3. Bombay, U. P., C. P. & Berar and Assam. } . . . . .	37,33,615	6,21,389	43,55,004	83,47,332	11,788
<b>TOTAL</b> . . . . .	<b>53,02,471</b>	<b>10,66,162</b>	<b>63,68,633</b>	<b>1,19,05,224</b>	<b>22,429</b>

\* Cash in hand and at banks and value of semi-finished products and materials in process have been excluded, as reliable estimates of these are not available.

TABLE 17.3 (A).—NUMBER OF PERSONS EMPLOYED

Province 1	Average number of workers employed per day directly by factory			
	Men 2	Women 3	Children 4	Total 5
1. West Bengal . . . . .	2,905	405	16	3,326
2. Madras . . . . .	1,223	234	176	1,633
3. Bombay, U. P., C. P. & Berar and Assam. } . . . . .	3,872	373	43	4,288
TOTAL . . . . .	8,000	1,012	235	9,247

TABLE 17.3 (B).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contractors				Number of persons other than workers 10	Total number of persons employed 11
	Men 6	Women 7	Children 8	Total 9		
1. West Bengal . . . . .	..	..	..	..	292	3,618
2. Madras . . . . .	..	..	..	..	168	1,801
3. Bombay, U. P., C. P. & Berar and Assam. } . . . . .	127	5	..	132	516	4,936
TOTAL . . . . .	127	5	..	132	976	10,355

TABLE 17.4 (A).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province 1	Number of man-hours worked directly for factory			
	Men 2	Women 3	Children 4	Total 5
1. West Bengal . . . . .	58,48,104	8,68,288	37,210	67,53,602
2. Madras . . . . .	29,24,703	5,84,779	2,65,505	37,74,987
3. Bombay, U. P., C. P. & Berar and Assam. } . . . . .	93,55,857	7,25,969	55,097	1,01,36,923
TOTAL . . . . .	1,81,28,664	21,79,036	3,57,812	2,06,65,512

TABLE 17.4 (B).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked 10
	Men 6	Women 7	Children 8	Total 9	
1. West Bengal.	..	..	..	..	67,53,602
2. Madras . . . . .	..	..	..	..	37,74,987
3. Bombay, U. P., C. P. & Berar and Assam., } . . . . .	2,44,366	4,288	..	2,48,654	1,03,85,577
TOTAL . . . . .	2,44,366	4,288	..	2,48,654	2,09,14,166

TABLE 17·5 (A).—SALARIES AND WAGES PAID

Province  1	Salaries and wages (including bonus and other cash payments)— workers							
	Directly by factory				Through contractors			
	Men 2	Women 3	Children 4	Total 5	Men 6	Women 7	Child- ren 8	Total 9
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	14,52,811	83,698	2,320	15,38,829	..	..	..	..
2. Madras	4,42,627	53,133	22,880	5,18,640	..	..	..	..
3. Bombay, U. P., C. P. & Berar and Assam.	26,20,094	1,09,758	7,550	27,37,402	46,231	402	..	46,633
<b>TOTAL</b>	45,15,532	2,46,589	32,750	47,94,871	46,231	402	..	46,633

TABLE 17·5 (B).—SALARIES AND WAGES PAID

Province	Total salaries and wages paid		Money value of other benefits or privileges	Total salaries wages, etc.
	Workers	Persons other than workers		
	10	11	12	13
	Rs.	Rs.	Rs.	Rs.
1. West Bengal	15,38,829	2,16,821	1,19,351	18,75,001
2. Madras	5,18,640	3,22,428	4,95,425	13,36,493
3. Bombay, U. P., C. P. & Berar and Assam.	27,84,035	10,73,475	80,606	39,38,116
<b>TOTAL</b>	48,41,504	16,12,724	6,95,382	71,49,610

TABLE 17·6 (A).— FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel oils
1	2	3	4	5	6
	Tons	Tons	Mds.	Mds.	Gallons
1. West Bengal . . . . .	646	15	1,444	200	1,100
2. Madras . . . . .	9	..	200	840	11,223
3. Bombay, U. P., C. P. & Berar and Assam. } . . . . .	1,756	2	..	16,982	1,65,468
TOTAL . . . . .	2,411	17	1,644	18,022	1,77,791

TABLE 17·6 (B).— FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal gas	Electricity	Water	Lubricants	
				Oils	Others
	7	8	9	10	11
	1,000 Cub. ft.	K.W.H.	Gallons 1,000	Gallons	Cwt.
1. West Bengal . . . . .	..	12,07,709	..	3,009	24
2. Madras . . . . .	..	33,648	9,680	4,032	12
3. Bombay, U. P., C. P. & Berar and Assam. } . . . . .	..	14,548	31,353	8,067	49
TOTAL . . . . .	..	12,55,905	41,033	15,108	85

TABLE 17·7 (A).— FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel oils	Coal gas
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	18,466	632	5,804	300	850	..
2. Madras	486	..	1,068	1,055	6,315	..
3. Bombay, U. P., C. P. & Berar and Assam.	53,043	134	..	20,279	41,483	..
TOTAL	71,995	766	6,872	21,634	48,648	..

TABLE 17·7 (B).— FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Other fuels	Electricity	Water	Lubricants		Total fuel, etc., consumed
				Oils	Others	
	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	..	53,445	..	8,350	2,059	89,906
2. Madras	24	2,103	844	14,543	1,051	27,489
3. Bombay, U. P., C. P. & Berar and Assam.	3,304	2,782	19,728	25,992	3,727	1,70,472
TOTAL	3,328	58,330	20,572	48,885	6,837	2,87,867

TABLE 17·8 (A).— MATERIALS CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province	Raw materials and chemicals				
	Wood	Match paper	Amorphous phosphorus	Chlorate of potash	Glue
	1	2	3	4	5
	Cb. ft.	Tons	Cwt.	Cwt.	Cwt.
1. West Bengal . . . . .	9,67,535	447	503	8,795	2,327
2. Madras . . . . .	8,98,070	426	462	6,522	1,829
3. Bombay, U.P., C.P. & Berar and Assam. } }	17,58,553	920	926	13,843	3,439
TOTAL . . . . .	36,24,158	1,793	1,891	29,160	7,595

TABLE 17·8 (B).— MATERIALS CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province	Raw materials and chemicals		Packing materials			
	Paraffin wax	Starch	Kraft paper	Paper for labels	Waterproof packing paper	Wooden cases
	7	8	9	10	11	12
	Cwt.	Cwt.	Tons	Tons	Tons	Number
1. West Bengal . . . . .	8,789	7,483	110	25	183	20,770
2. Madras . . . . .	6,961	6,520	50	96	154	10,171
3. Bombay, U.P., C.P. & Berar and Assam. } }	15,906	12,723	4	70	298	7,675
TOTAL . . . . .	31,656	26,726	164	191	635	38,616

TABLE 17·9 (A).— MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Raw materials and chemicals					
	Wood	Match paper	Amorphous pho-phorous	Chlorate of potash	Glue	Paraffin wax
	1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	23,98,042	5,39,066	96,965	5,47,299	3,96,861	2,81,240
2. Madras	27,77,341	4,86,334	99,118	3,07,860	2,33,583	2,76,464
3. Bombay, U. P., C. P. & Berar and Assam..	43,36,447	11,66,722	1,32,554	6,66,551	4,86,315	6,12,537
TOTAL	95,11,830	21,92,122	3,28,637	15,21,710	11,16,759	11,70,241

TABLE 17·9 (B).— MATERIALS CONSUMED  
(VALUE)

(Materials, produced in the factory are excluded)

Province	Raw materials and chemicals			Packing materials		
	Starch	Other raw materials and chemicals*	Total	Kraft paper	Paper for labels	Water-proof packing paper
	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	2,79,344	2,41,961	47,80,778	1,32,149	48,055	1,99,911
2. Madras	1,84,046	2,29,887	45,94,633	50,000	1,79,394	1,88,534
3. Bombay, U. P., C. P. & Berar and Assam.	5,31,092	3,15,313	82,47,531	3,882	1,66,337	3,39,606
TOTAL	9,94,482	7,87,161	1,76,22,942	1,86,031	3,93,786	7,28,141

\* The corresponding quantity is not shown in Table 17·8 as all the materials are not reported in the same system of units.

TABLE 17·9 (C).— MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Packing materials				Total materials consumed
	Wooden cases	Other packing materials*	Total packing materials	Other materials*	
	14	15	16	17	18
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	1,62,317	23,969	5,66,401	1,36,487	54,83,666
2. Madras . . . . .	20,343	9,250	4,47,521	2,76,671	53,18,825
3. Bombay, U. P., C. P. & Berar and Assam. } }	73,096	1,73,672	7,56,683	1,32,549	91,36,763
<b>TOTAL</b> . . . . .	2,55,756	2,06,891	17,70,605	5,45,707	1,99,39,254

\* The corresponding quantity is not shown in table 17·8 as all the materials are not reported in the same system of units.

TABLE 17·9 (D).—TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED.

Province	Total value of materials consumed	Cost of transport of materials to factory, commission to purchasing agents, etc., which are not included in previous column	Total ex-factory value of materials consumed
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	54,83,666	130	54,83,796
2. Madras . . . . .	53,18,825	6,492	53,25,317
3. Bombay, U. P., C. P. & Berar and Assam. } }	91,36,763	..	91,36,763
<b>TOTAL</b> . . . . .	1,99,39,254	6,622	1,99,45,876



# PRODUCTION OF MATCHES

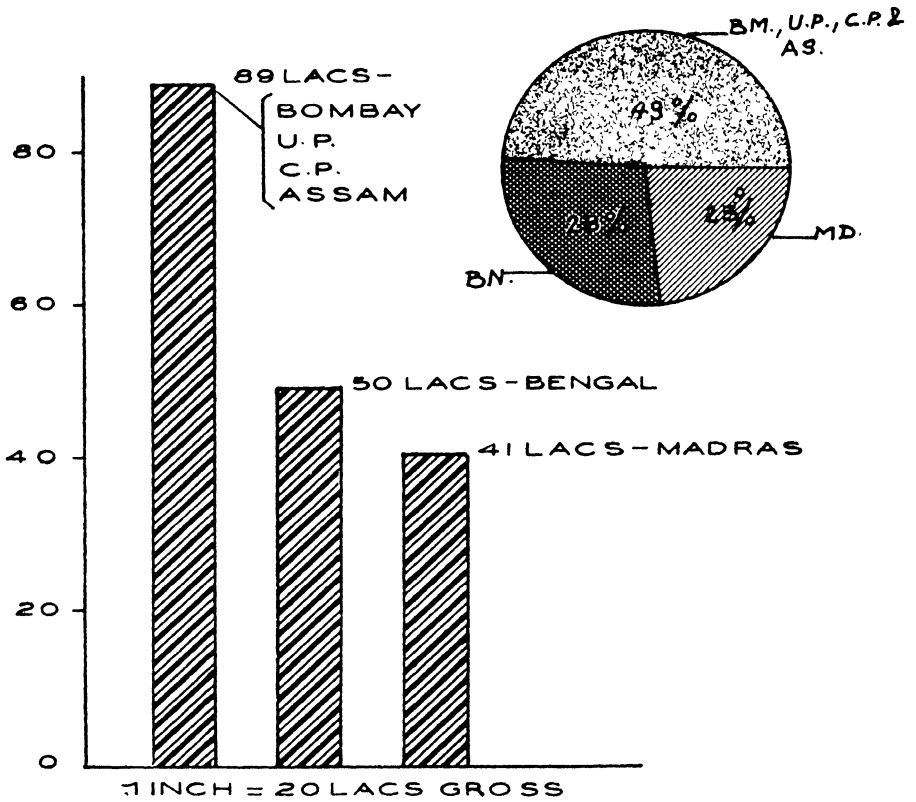


TABLE 17·10.— PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded)

Province 1	Boxes or booklets of matches (ordinary) 2	Boxes or packets con- taining on an average not more than 12 matches of the type known as 'Bengal Lights' 3
	Gross	Gross
1. West Bengal . . . . .	49,49,924	5,892
2. Madras . . . . .	40,56,949	60,090
3. Bombay, U.P., C.P. & Berar and Assam	88,61,021	3,525
TOTAL . . . . .	1,78,67,894	69,507

TABLE 17·11 (A).— PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province 1	Boxes or booklets of matches (ordinary) 2	Boxes or packets containing on an average not more than 12 matches of the type known as 'Bengal Lights' 3	Other pro- ducts and by-products 4	Total *products and by-products 5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,29,87,324	29,460	..	1,30,16,784
2. Madras . . . . .	1,07,47,383	2,10,315	5,38,811	1,14,96,509
3. Bombay, U. P., C. P. & Berar and Assam.	} 2,23,60,171	14,694	7,14,410	2,30,89,275
TOTAL . . . . .	4,60,94,878	2,54,469	12,53,221	4,76,02,568

\* The corresponding quantity is not shown in Table 17·10 as all the products are not reported in the same system of units.

TABLE 17·11 (B).—TOTAL EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS

Province	Total value of products and by-products	Cost of transport of products from factory, commission to selling agents, etc., which are included in previous column	Total ex-factory value of products and by-products
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,30,16,784	380	1,30,16,404
2. Madras . . . . .	1,14,96,509	..	1,14,96,509
3. Bombay, U. P., C.P. & Berar and Assam. } . . . . .	2,30,89,275	3,318	2,30,85,957
TOTAL . . . . .	4,76,02,568	3,698	4,75,98,870

TABLE 17·12.—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC., CONSUMED AND WORK DONE FOR THE INDUSTRY BY OTHER CONCERNS

Province	Fuels, electricity and lubricants	Raw materials, chemicals, etc.	Work done for the industry by other concerns	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	89,906	54,83,796	..	55,73,702
2. Madras . . . . .	27,489	53,25,317	..	53,52,806
3. Bombay, U. P., C. P. & Berar and Assam. } . . . . .	1,70,472	91,36,763	2,480	93,09,715
TOTAL . . . . .	2,87,867	1,99,45,876	2,480	2,02,36,223

TABLE 17.13.—EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS  
AND WORK DONE BY INDUSTRY FOR CUSTOMERS

Province	Products and by-products	Work done for customers	Total
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,30,16,404	..	1,30,16,404
2. Madras . . . . .	1,14,96,509	..	1,14,96,509
3. Bombay, U.P., C.P. & Berar and Assam. } . . . . .	2,30,85,957	..	2,30,85,957
TOTAL . . . . .	4,75,98,870	..	4,75,98,870

TABLE 17.14—VALUE ADDED BY MANUFACTURE

Province	Ex-factory value of products and work done by the industry for customers	Ex-factory value of fuels, raw materials, etc., consumed and work done for the industry by other concerns	Depreciation of fixed assets at the rate allowed for purposes of income-tax	Value of products less cost of materials and fuels less depreciation [Col. (2) - Col. (3) - Col. (4)]
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,30,16,404	55,73,702	51,738	73,90,964
2. Madras . . . . .	1,14,96,509	53,52,806	43,724	60,99,979
3. Bombay, U. P., C.P. & Berar and Assam. } . . . . .	2,30,85,957	93,09,715	2,74,306	1,35,01,936
TOTAL . . . . .	4,75,98,870	2,02,36,223	3,69,768	2,69,92,879



## CHAPTER XXI

### 18. COTTON TEXTILES



## 18. COTTON TEXTILES

The cotton textiles industry is the biggest in the country. It accounts for 36% of the productive capital and 43% of the labour employed in the 29 industries covered by the present census. The consolidated figures relate to 88% of the factories in the provinces. They exclude factories in the Indian States. There was a considerable output of yarn and cloth in the states of Western India, Central India, Rajputana and Hyderabad. Over 10% of the production of cotton cloth in India in 1946 was in the states. The consolidated figures for this industry therefore cover 88% of the production in the provinces and roughly 80% of the production in the whole of India.

It has not been possible to obtain figures relating to the *value of yarn and cloth produced for sale*, but only the *value of yarn and cloth actually sold and delivered*. But the quantities of yarn and cloth, both produced for sale and actually sold and delivered, could be obtained and are presented in tables 18.11 and 18.12. The quantity sold and delivered during the year would differ from the quantity produced for sale during the year, in the following respects:—

- (a) It would include yarn and cloth produced earlier, but sold and delivered only in 1946.
- (b) It would exclude yarn and cloth produced in 1946, but not sold and delivered in 1946.

The difference between the quantity made for sale and the quantity sold and delivered would not, ordinarily, be large. The quantity of yarn made for sale in 1946 was 360 million lbs., and the quantity sold and delivered 368 million lbs. The quantity of cloth made for sale was 3,111 million yards and the quantity sold and delivered 3,157 million yards. The value added by manufacture had to be estimated, taking the value of goods sold and delivered instead of the value of goods made for sale. The error on this account would be negligible since the difference between the quantities of goods made for sale, and actually sold and delivered, was small.

There were 483 factories in the industry, more than half of which were in Bombay. The productive capital employed was over 130 crores of rupees, of which 43% was fixed capital, and 57% working capital. The latter consisted largely of stocks of raw cotton, the value of raw cotton stocks with the industry at the close of the year being nearly equal to its fixed capital.

The industry employed over 6½ lakhs of persons, of whom 95% were workers. Most of the workers were directly employed by factories, less than one per cent being employed through contractors. Over a tenth of the workers were women. The industry also employed a small proportion of child workers.

The total output of yarn whether for sale or for manufacture of cloth was 1,135 million lbs. Over 60% of the yarn was produced by mills in Bombay. Part of the yarn was sold as such and the rest used for the manufacture of cloth. The proportion of yarn sold as such was high in Madras and C. P.

Of the total production of piece-goods, 50% was grey, 45% fancy, and about 4% prints. Dhoties, sarees, shirtings and long cloth predominated in both grey and fancy piece-goods. Over a third of the total output of piece-goods consisted of shirtings and long cloth, over a fifth of dhoties and over a seventh of sarees.

The value added by manufacture was nearly a hundred crores of rupees, or about 75% of the productive capital employed. It averaged about 23 lakhs of rupees per factory, 1,496 rupees per person employed and 10 annas per man-hour. Employees received 52% of the value added as salaries, wages and other benefits. The average amount received by a worker per day as wages and other benefits was Rs. 2/12/-.



TABLE 18.1.—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns.)
		Number	% per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal	30	29	97	..	280
2. Bombay .	267	243	91	4	262
3. Madras .	86	75	87	..	297
4. U.P. . .	35	33	94	..	254
5. Bihar . .	2	1	50	..	250
6. East Punjab	29	12	41	..	304
7. C. P. & Berar.	19	18	95	1	282
8. Delhi . .	10	10	100	..	300
9. Orissa . .	..	..	..	..	..
10. Assam . .	1	1	100	..	219
11. Ajmer-Merwara } }	4	4	100	..	294
TOTAL .	483	426	88	5	271

TABLE 18.2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province  1	Fixed capital			
	Land and buildings	Plant and machinery	Other fixed assets	Total
	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,23,38,036	1,10,53,325	6,21,241	2,40,12,602
2. Bombay . . . . .	14,88,52,495	25,27,11,989	90,74,670	41,06,39,154
3. Madras . . . . .	1,74,19,973	2,49,86,489	9,76,751	4,33,83,213
4. U. P. . . . .	1,24,11,926	2,06,58,282	26,21,793	3,56,92,001
5. East Punjab . . . . .	9,90,064	13,56,664	63,343	24,10,071
6. C. P. & Berar . . . . .	1,11,95,991	1,31,80,579	7,95,608	2,51,72,178
7. Delhi . . . . .	34,52,178	44,45,398	2,49,313	81,46,889
8. Bihar, Assam & Ajmer-Merwara. } }	15,74,623	28,54,493	1,12,902	45,42,018
TOTAL . . . . .	20,82,35,286	33,12,47,219	1,45,15,621	55,39,98,126

TABLE 18.2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital			Total productive capital employed*	Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels	Stock of products and by-products	Total*		
	6	7	8		
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	2,08,68,666	84,25,793	2,92,94,459	5,33,07,061	10,857
2. Bombay . . . . .	36,04,89,195	14,52,73,028	50,57,62,223	91,64,01,377	6,68,469
3. Madras . . . . .	6,15,58,576	1,61,42,284	7,77,00,860	12,10,84,073	14,432
4. U. P. . . . .	6,27,55,618	1,31,49,042	7,59,04,660	11,15,96,661	24,375
5. East Punjab	23,36,444	9,15,085	32,51,529	56,61,600	10,366
6. C. P. & Berar	2,53,24,549	71,62,714	3,24,87,263	5,76,59,441	2,950
7. Delhi . . . . .	1,32,57,060	50,88,735	1,83,45,795	2,64,92,684	23,691
8. Bihar, Assam & Ajmer-Merwara. } }	71,15,276	22,10,173	93,25,449	1,38,67,467	966
TOTAL . . . . .	55,37,05,384	19,83,66,854	75,20,72,238	1,30,60,70,364	7,56,106

\* Cash in hand and at banks and value of semi-finished products and materials in process have been excluded, as reliable estimates of these are not available.

TABLE 18.3 (A).—NUMBER OF PERSONS EMPLOYED

Province 1	Average number of workers employed per day directly by factory			
	Men 2	Women 3	Children 4	Total 5
1. West Bengal . . . .	28,852	1,821	47	30,720
2. Bombay . . . . .	3,44,597	39,386	378	3,84,351
3. Madras . . . . .	67,745	17,666	1,216	85,627
4. U. P. . . . .	54,857	768	15	55,640
5. East Punjab . . . .	3,319	172	..	3,491
6. C. P. & Berar . . . .	22,903	4,370	190	27,463
7. Delhi . . . . .	13,760	179	7	13,946
8. Bihar, Assam & Ajmer-Mer- wara. . . . .	6,974	569	83	7,626
<b>TOTAL . . . . .</b>	<b>5,43,007</b>	<b>64,931</b>	<b>1,936</b>	<b>6,09,874</b>

TABLE 18.3(B).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contractors				Number of persons other than workers 10	Total number of persons employed 11
	Men	Women	Children	Total		
	6	7	8	9		
1. West Bengal..	103	10	..	113	1,733	32,566
2. Bombay . . . . .	4,543	157	..	4,700	22,636	4,11,097
3. Madras . . . . .	177	62	.	239	3,516	90,382
4. U. P. . . . .	206	64	1	271	3,745	59,656
5. East Punjab . . . .	..	..	1	1	287	3,779
6. C. P. & Berar	208	56	5	269	1,929	29,661
7. Delhi . . . . .	105	10	1	116	725	14,787
8. Bihar, Assam & Ajmer-Mer- wara. . . . .	10	..	..	10	533	8,169
<b>TOTAL . . . . .</b>	<b>5,352</b>	<b>359</b>	<b>8</b>	<b>5,719</b>	<b>35,104</b>	<b>6,50,697</b>

TABLE 18.4 (A).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province 1	Number of man-hours worked directly for factory			
	Men 2	Women 3	Children 4	Total 5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . .	6,88,02,809	39,52,209	69,420	7,28,24,438
2. Bombay . . .	82,44,98,949	9,84,06,243	8,40,134	92,37,45,326
3. Madras . . .	17,56,43,353	4,27,79,254	22,51,506	22,06,74,113
4. U. P. . . .	13,95,07,518	18,01,091	30,237	14,13,38,846
5. East Punjab . .	85,24,137	4,49,542	..	89,73,679
6. C. P. & Berar . .	5,55,34,245	1,04,11,016	4,33,094	6,63,78,355
7. Delhi . . . .	3,25,38,377	4,31,649	9,868	3,29,79,894
8. Bihar, Assam & Ajmer-Merwara. } }	1,69,49,462	13,92,890	2,07,447	1,85,49,799
TOTAL . . . . .	1,32,19,98,850	15,96,23,894	38,41,706	1,48,54,64,450

TABLE 18.4 (B).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked 10
	Men 6	Women 7	Children 8	Total 9	
	1. West Bengal	2,59,564	25,213	..	
2. Bombay . . .	1,14,72,728	3,70,365	..	1,18,43,093	93,55,88,419
3. Madras . . .	3,74,851	1,46,664	..	5,21,515	22,11,95,628
4. U. P. . . .	4,07,407	1,54,432	1,108	5,62,947	14,19,01,793
5. East Punjab . .	..	..	2,664	2,664	89,76,343
6. C. P. & Berar	6,08,497	58,432	6,200	6,73,129	6,70,51,484
7. Delhi . . . .	2,55,012	24,280	1,525	2,80,817	3,32,60,711
8. Bihar, Assam & Ajmer-Merwara. } }	11,600	..	..	11,600	1,85,61,399
TOTAL . . . . .	1,33,89,659	7,79,386	11,497	1,41,80,542	1,49,96,44,992

TABLE 18.5 (A).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments) workers			
	Directly by factory			
	Men	Women	Children	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,50,95,496	6,34,097	14,754	1,57,44,347
2. Bombay . . . . .	29,52,30,665	2,53,69,425	1,41,245	32,07,41,335
3. Madras . . . . .	4,11,23,408	64,04,855	3,15,537	4,78,43,800
4. U. P. . . . .	3,32,78,037	1,61,547	4,004	3,34,43,588
5. East Punjab . . . . .	20,47,594	69,425	..	21,17,019
6. C. P. & Berar . . . . .	1,28,69,142	17,43,606	86,725	1,46,99,473
7. Delhi . . . . .	1,01,85,526	45,721	1,130	1,02,32,377
8. Bihar, Assam & Ajmer-Merwara.	30,11,091	1,53,576	24,887	31,89,554
TOTAL . . . . .	41,28,40,959	3,45,82,252	5,88,282	80,11,493

TABLE 18.5 (B).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments) workers			
	Through contractors			
	Men	Women	Children	Total
	6	7	8	9
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	41,674	4,793	..	46,467
2. Bombay . . . . .	34,30,584	75,690	..	35,06,274
3. Madras . . . . .	69,511	8,027	..	77,538
4. U. P. . . . .	1,24,303	8,850	208	1,33,361
5. East Punjab . . . . .	..	..	260	260
6. C. P. & Berar . . . . .	88,544	6,288	1,400	96,232
7. Delhi . . . . .	59,024	5,609	300	64,933
8. Bihar, Assam & Ajmer-Merwara. } . . . . .	1,542	..	..	1,542
9. TOTAL . . . . .	38,15,182	1,09,257	2,168	39,26,607

TABLE 18.5 (C).—SALARIES AND WAGES PAID

Province	Total salaries and wages paid		Money value of other benefits or privileges	Total salaries, wages, etc.
	Workers	Persons other than workers		
	10	11	12	13
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,57,90,814	23,83,306	6,05,485	1,87,79,605
2. Bombay . . . . .	32,42,47,609	3,72,28,058	7,42,800	36,22,18,467
3. Madras . . . . .	4,79,21,338	55,16,140	4,89,364	5,39,26,842
4. U. P. . . . .	3,35,76,949	58,77,128	20,43,396	4,14,97,473
5. East Punjab . . . . .	21,17,279	3,70,204	1,273	24,88,756
6. C. P. & Berar . . . . .	1,47,95,705	27,16,777	39,076	1,75,01,558
7. Delhi . . . . .	1,02,97,310	18,55,017	..	1,21,52,327
8. Bihar, Assam & Ajmer-Merwara. } . . . . .	31,91,096	5,67,118	..	37,58,214
TOTAL . . . . .	45,19,38,100	5,65,13,748	39,21,394	51,23,73,242

TABLE 18.6 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED (QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel Oils
1	2	3	4	5	6
	Tons	Tons	Mds.	Mds.	Gallons
1. West Bengal . . . . .	80,806	905	696	1,48,057	84,599
2. Bombay . . . . .	7,95,574	3,365	15,000	3,32,668	3,69,82,086
3. Madras . . . . .	82,311	292	11,470	5,51,783	44,310
4. U. P. . . . .	1,04,159	603	335	1,21,768	1,277
5. East Punjab . . . . .	8,680	59	116	5,735	2,703
6. C. P. & Berar . . . . .	1,04,962	223	4,151	3,122	7,855
7. Delhi . . . . .	46,675	295	1,360	22,121	308
8. Bihar, Assam & Ajmer-Merwara. } . . . . .	33,181	25	164	4,105	12,285
TOTAL . . . . .	12,56,348	5,767	33,292	11,89,359	3,71,35,423

TABLE 18·6 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)  
(Fuels, etc., produced in the factory are excluded)

Province	Coal gas	Electricity	Water	Lubricants	
				Oils	Others
	7	8	9	10	11
	1,000 Cub. ft.	K. W. H.	1,000 Gallons	Gallons	Cwt.
1. West Bengal . . . . .	..	3,33,74,714	..	84 232	200
2. Bombay . . . . .	17,173	52,16,50,141	1,43,96,222	14,39,272	8,262
3. Madras . . . . .	..	9,15,38,424	3,21,454	1,38,944	856
4. U. P. . . . .	..	8,40,23,556	2,86,528	1,93,814	239
5. East Punjab . . . . .	..	5,42,459	2,327	12,319	51
6. C. P. & Berar . . . . .	..	1,99,482	64,130	66,946	166
7. Delhi . . . . .	..	2,49,979	1,50,088	43,055	373
8. Bihar, Assam & Ajmer-Merwara. } . . . . .	..	..	..	24,914	19
TOTAL . . . . .	17,173	73,15,78,755	1,52,20,749	20,03,496	10,166

TABLE 18·7 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED.  
(VALUE)  
(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	18,75,306	35,570	3,330	2,74,369
2. Bombay . . . . .	2,44,31,471	1,86,487	68,337	4,78,259
3. Madras . . . . .	41,91,027	16,155	48,257	8,27,675
4. U. P. . . . .	25,84,240	22,532	1,818	1,57,239
5. East Punjab . . . . .	2,85,779	3,184	662	16,551
6. C. P and Berar . . . . .	22,45,730	9,751	8,432	14,324
7. Delhi . . . . .	14,42,185	10,995	6,625	39,628
8. Bihar, Assam and Ajmer-Merwara } . . . . .	8,43,790	1,590	756	5,920
TOTAL . . . . .	3,78,99,528	2,86,264	1,38,217	18,13,965

TABLE 18.7 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Fuel oils	Coal gas	Other fuels
	6	7	8
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	33,390	..	..
2. Bombay . . . . .	91,02,209	51,520	1,73,033
3. Madras . . . . .	28,868	..	21,628
4. U. P. . . . .	2,807	..	2,420
5. East Punjab . . . . .	3,041	..	601
6. C. P and Berar . . . . .	4,972	..	17,750
7. Delhi . . . . .	423	..	..
8. Bihar, Assam and Ajmer-Merwara . . . . .	12,030	..	..
TOTAL . . . . .	91,87,740	51,520	2,15,432

TABLE 18.7 (C).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Electricity	Water	Lubricants		Total fuel etc., consumed
			Oils	Others	
	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	11,15,877	..	2,10,944	12,506	35,61,292
2. Bombay . . . . .	1,45,93,630	38,37,900	36,40,294	3,56,556	5,69,19,696
3. Madras . . . . .	36,49,371	2,74,864	5,01,364	55,552	96,14,761
4. U. P. . . . .	28,58,611	79,367	5,00,396	15,730	62,25,160
5. East Punjab	34,800	931	40,843	2,844	3,89,236
6. C. P. & Berar	40,315	36,455	1,76,761	11,492	25,65,982
7. Delhi . . . . .	35,110	49,785	1,23,925	27,116	17,35,792
8. Bihar, Assam and Ajmer-Merwara. . . . .	..	..	67,509	1,172	9,32,767
TOTAL . . . . .	2,23,27,714	42,79,302	52,62,036	4,82,968	8,19,44,686

TABLE 18·8 (A).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Basic materials					
	Cotton				Silk fibre artificial	Other fibres
	Short staple, 27/32" and below	Medium staple 7/8" to 1"	Long staple over 1"	Total cotton		
1	2	3	4	5	6	7
	Bales	Bales	Bales	Bales	Lbs.	Lbs.
1. West Bengal	47,685	55,995	17,928	1,21,608	..	..
2. Bombay	10,07,323	5,26,903	4,39,743	19,83,969	29,475	88,81,922
3. Madras	1,97,891	2,74,768	61,293	5,33,952	21,951	..
4. U. P.	1,47,855	1,48,598	49,102	3,45,555	838	2,07,200
5. East Punjab	5,297	6,674	684	12,655	1,305	234
6. C. P. & Berar	78,953	57,879	6,892	1,43,724	..	..
7. Delhi	60,405	10,350	18,068	88,823	..	..
8. Bihar, Assam and Ajmer-Merwara.	42,057	5,262	1,979	49,298	..	..
<b>TOTAL</b>	<b>15,87,466</b>	<b>10,96,429</b>	<b>5,95,689</b>	<b>32,79,584</b>	<b>53,569</b>	<b>90,89,356</b>

TABLE 18·8 (B).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Basic materials				
	Wastes			Yarns	
	Cotton	Yarn	Total wastes	Cotton	Artificial silk
8	9	10	11	12	
	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
1. West Bengal	5,07,944	75,731	5,83,675	52,06,268	55,599
2. Bombay	1,18,56,313	5,72,189	1,24,28,502	2,02,64,083	2,06,342
3. Madras	33,50,616	1,905	33,52,521	55,38,342	1,777
4. U. P.	40,100	..	40,100	5,37,210	113
5. East Punjab	..	1,441	1,441	1,60,017	41,350
6. C. P. & Berar	2,22,292	..	2,22,292	1,27,594	2,419
7. Delhi	..	..	..	19,47,321	3,517
8. Bihar, Assam and Ajmer-Merwara.	37,148	616	37,764	6,174	4
<b>TOTAL</b>	<b>1,60,14,413</b>	<b>6,51,882</b>	<b>1,66,66,295</b>	<b>3,37,87,009</b>	<b>3,11,121</b>

TABLE 18·8 (C).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Basic materials			Chemicals and sizing materials	
	Yarns			Tallow	Chinaclay
	Silk and spun silk	Other yarns	Total yarns		
	13	14	15	16	17
	Lbs.	Lbs.	Lbs.	Cwt.	Cwt.
1. West Bengal . . .	7,694	82,911	53,52,472	3,832	8,310
2. Bombay . . .	96,795	1,28,195	2,06,95,415	40,788	55,995
3. Madras . . .	4,331	1,60,533	57,04,983	1,257	1,340
4. U. P. . .	..	..	5,37,323	4,392	4,355
5. East Punjab . . .	46	55,445	2,56,858	507	264
6. C. P. and Berar . . .	..	..	1,30,013	3,003	6,513
7. Delhi . . .	..	..	19,50,838	1,612	407
8. Bihar, Assam and Ajmer-Merwara. . .	13	4	6,195	1,330	2,321
<b>TOTAL</b> . . .	<b>1,03,879</b>	<b>4,27,088</b>	<b>3,46,34,097</b>	<b>56,721</b>	<b>79,505</b>

TABLE 18·8 (D).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Chemicals and sizing materials					
	Zinc-chloride	Gums and resins	Sodium hydro-sulphite	Caustic soda	Soda ash	Bleaching powder
	18	19	20	21	22	23
	Cwt.	Cwt.	Cwt.	Tons	Tons	Cwt.
1. West Bengal . . .	374	921	280	262	111	2,493
2. Bombay . . .	5,622	22,709	11,894	17,921	11,456	49,770
3. Madras . . .	57	545	1,700	1,368	493	1,597
4. U. P. . .	622	748	655	849	950	1,459
5. East Punjab . . .	64	18	7	16	17	347
6. C. P. & Berar . . .	388	350	121	89	75	487
7. D-lhi . . .	35	88	450	315	243	2,243
8. Bihar, Assam and Ajmer-Merwara. . .	147	195	10	11	40	17
<b>TOTAL</b> . . .	<b>7,309</b>	<b>25,574</b>	<b>15,117</b>	<b>20,831</b>	<b>13,375</b>	<b>58,413</b>

TABLE 18·8 (E).—MATERIALS CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province	Chemicals and sizing materials				
	Common salt	Sulphuric acid	Hydrochloric acid	Maize starch	Tapioca
	24	25	26	27	28
	Mds. (82 2/7 lbs.)	Cwt.	Cwt.	Tons.	Tons.
1. West Bengal.	1,880	1,328	362	742	166
2. Bombay . . .	2,92,874	24,792	9,874	8,303	4,754
3. Madras . . .	6,537	4,393	303	12	565
4. U. P. . . .	18,031	3,470	777	1,261	35
5. East Punjab .	141	170	4	67	8
6. C. P. & Berar	6,051	376	27	162	138
7. Delhi . . . .	13,206	4,137	425	751	130
8. Bihar, Assam and Ajmer- Merwara.	25	2	5	151	3
TOTAL . . . .	3,38,745	38,668	11,777	11,449	5,799

TABLE 18.8 (F).—MATERIALS CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province	Chemicals and sizing materials		Colours				
	Flours	Other starches	Basic and direct colours	Sulphur colours	Vat Indantherene & Naphthol colours	Other colours	Total colours
	29	30	31	32	33	34	35
	Tons	Tons	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.
1. West Bengal .	516	235	164	125	101	34	424
2. Bombay . . .	5,573	10,827	2,211	6,908	6,205	4,175	19,499
3. Madras . . .	143	592	33	329	581	43	986
4. U. P. . . . .	371	337	91	361	431	456	1,339
5. East Punjab .	..	22	10	11	3	3	27
6. C. P. & Berar	204	327	173	183	153	16	525
7. Delhi . . . .	58	135	61	307	94	264	726
8. Bihar, Assam and Ajmer- Merwara.	18	158	3	15	17	..	35
TOTAL . . . .	6,883	12,633	2,746	8,239	7,585	4,991	23,561

TABLE 18·8 (G).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province.	Packing materials			
	Paper all kinds including labels, tickets etc.	Boards	Hessian cloth	
	36	37	38	39
	Tons	Tons	Tons	Yards
1. West Bengal . . . . .	62	18	99	9,94,213
2. Bombay . . . . .	2,867	5,821	2,540	1,68,08,900
3. Madras . . . . .	405	62	220	26,71,999
4. U. P. . . . .	92	313	673	28,44,545
5. East Punjab . . . . .	N	1	8	63,525
6. C. P. & Berar . . . . .	47	N	131	10,45,664
7. Delhi . . . . .	25	21	62	5,55,524
8. Bihar, Assam and Ajmer-Merwara . . . . .	} 2	N	82	3,14,838
TOTAL . . . . .	3,500	6,236	3,815	2,52,99,208

TABLE 18·8 (H).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Packing materials		Other materials and consumable stores		
	Wooden cases	Iron Hoops	Pickers	Picking bands	Buffers
	40	41	42	43	44
	Number	Tons	Gross	Lbs.	Gross
1. West Bengal . . . . .	8,095	101	1,206	34,048	383
2. Bombay . . . . .	72,624	1,690	20,580	3,88,659	28,150
3. Madras . . . . .	77,029	426	727	26,565	4,879
4. U. P. . . . .	3,024	32	2,100	59,197	8,785
5. East Punjab . . . . .	..	10	82	1,665	30
6. C. P. & Berar . . . . .	..	91	538	12,173	173
7. Delhi . . . . .	..	40	569	7,433	179
8. Bihar, Assam & Ajmer-Merwara . . . . .	} ..	3	317	5,946	305
TOTAL . . . . .	1,60,772	2,393	26,119	5,35,686	42,884

TABLE 18·8 (I).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Other materials and consumable stores				
	Roller skins	Beltings	Vegetable oils	Mineral oils	Bobbins and wooden tubes
	45	46	47	48	49
	Gross	1,000 ft.	Cwt.	Gallons	Gross
1. West Bengal .	147	317	871	7,118	13,673
2. Bombay .	4,410	2,602	39,859	1,87,333	1,97,381
3. Madras .	689	406	3,586	16,860	26,052
4. U. P. .	202	241	4,060	8,421	20,521
5. East Punjab .	14	29	454	40	2,502
6. C. P. & Berar	206	213	2,291	3,996	18,583
7. Delhi . . .	61	76	2,027	12,550	9,722
8. Bihar, Assam and Ajmer-Merwara.	31	42	2,395	5,701	6,049
TOTAL .	5,760	3,926	55,543	2,42,019	2,94,483

TABLE 18·8 (J).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Other materials and consumable stores				
	Shuttles	Healds	Reeds	Ropes	Cotton bandings
	50	51	52	53	54
	Gross	800 eyes	1,000 dents	Lbs.	Lbs.
1. West Bengal .	221	2,07,323	28,897	27,888	28,705
2. Bombay .	9,861	28,26,386	4,49,951	3,47,529	6,76,045
3. Madras .	334	50,691	11,202	31,293	60,187
4. U. P. . .	310	1,51,750	35,843	21,568	96,456
5. East Punjab .	28	12,977	1,439	5,418	2,219
6. C. P. & Berar.	150	74,124	9,733	6,478	38,401
7. Delhi . .	117	80,581	27,470	24,279	23,603
8. Bihar, Assam and Ajmer-Merwara.	72	23,194	5,443	12,747	30,924
TOTAL .	11,093	34,27,026	5,69,978	4,77,200	9,56,540

TABLE 18·9 (A).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Basic materials				
	Cotton				Silk fibre artificial
	Short staple 27/32" & below	Medium staple 7/8" to 1"	Long staple over 1"	Total cotton	
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	98,43,072	1,53,87,891	73,61,780	3,25,92,743	..
2. Bombay .	20,92,06,900	14,59,97,970	21,91,13,797	57,43,18,667	90,203
3. Madras .	5,00,93,321	7,56,85,287	2,96,82,669	15,54,61,277	4,88,028
4. U. P. .	2,66,64,478	3,76,68,627	1,39,50,982	7,82,84,087	1,836
5. East Punjab .	10,01,861	17,40,268	1,67,323	29,09,452	3,915
6. C. P. and Berar	1,48,46,625	1,30,55,892	22,79,387	3,01,81,904	..
7. Delhi .	1,00,10,773	28,46,544	80,03,651	2,08,60,968	..
8. Bihar, Assam and Ajmer- Merwara.	77,73,358	10,46,838	5,05,216	93,25,412	..
<b>TOTAL</b> .	<b>32,94,40,388</b>	<b>29,34,29,317</b>	<b>28,10,64,805</b>	<b>90,39,34,510</b>	<b>5,83,982</b>

TABLE 18·9 (B).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province 1	Basic materials				
	Other fibres	Wastes			Yarns
		Cotton	Yarn	Total wastes	Cotton
	7	8	9	10	11
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	..	1,09,570	9,052	1,18,622	74,29,129
2. Bombay .	1,36,64,391	38,04,551	1,47,044	39,51,595	2,87,10,422
3. Madras .	..	9,53,443	317	9,53,760	80,88,117
4. U. P. .	1,11,658	2,651	..	2,651	7,32,619
5. East Punjab .	1,907	..	148	148	2,48,946
6. C. P. and Berar	..	47,821	..	47,821	4,12,023
7. Delhi .	..	..	..	..	23,24,089
8. Bihar, Assam and Ajmer- Merwara.	..	9,513	120	9,633	10,849
<b>TOTAL</b> .	<b>1,37,77,956</b>	<b>49,27,549</b>	<b>1,57,681</b>	<b>50,84,230</b>	<b>4,79,56,194</b>

TABLE 18-9 (C).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Basic materials					
	Yarns				Other basic materials*	Total basic materials
	Artificial silk	Silk and spun silk	Other yarns	Total yarns		
	12	13	14	15	16	17
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1. West Bengal	4,94,718	2,55,787	1,26,523	83,06,157	30,81,656	4,40,99,178
2. Bombay	11,02,643	47,07,213	3,97,372	3,49,17,650	60,492	62,70,02,998
3. Madras	6,120	1,21,388	2,25,879	84,41,504	16,20,130	16,69,64,699
4. U. P.	230	..	..	7,32,849	4,243	7,91,37,324
5. East Punjab	1,93,095	2,661	2,07,565	6,52,267	73	35,67,762
6. C.P. & Berar	46,523	..	..	4,58,546	6,613	3,06,94,884
7. Delhi	16,967	..	..	23,41,056	..	2,32,02,024
8. Bihar, Assam and Ajmer- Merwara.	17	786	210	11,862	..	93,46,907
<b>TOTAL</b>	<b>18,60,313</b>	<b>50,87,835</b>	<b>9,57,549</b>	<b>5,58,61,891</b>	<b>47,73,207</b>	<b>98,40,15,776</b>

\*The corresponding quantity is not shown in Table 18-8 as all the 'Other Basic materials' are not reported in the same system of units.

TABLE 18-9 (D).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Chemicals and sizing materials			
	Tallow	China clay	Zinc-chloride	Gums and resins
	18	19	20	21
	Rs.	Rs.	Rs.	Rs.
1. West Bengal	2,65,481	47,124	23,555	1,30,721
2. Bombay	23,31,419	5,49,949	3,16,884	24,71,765
3. Madras	65,620	12,224	2,615	1,02,598
4. U. P.	2,65,860	22,736	32,012	91,264
5. East Punjab	26,850	2,847	3,476	2,601
6. C. P. and Berar	1,48,414	47,976	26,406	50,478
7. Delhi	90,436	3,179	3,042	10,724
8. Bihar, Assam and Ajmer- Merwara.	75,132	13,737	8,965	21,232
<b>TOTAL</b>	<b>32,69,212</b>	<b>6,99,772</b>	<b>4,16,755</b>	<b>28,81,383</b>

TABLE 18·9 (E).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Chemicals and sizing materials					
	Sodium hydro-sulphite	Caustic soda	Soda ash	Bleaching powder	Common salt	Sulphuric acid
	22	23	24	25	26	27
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	39,120	86,150	10,706	33,142	11,997	20,528
2. Bombay .	14,20,442	21,85,263	8,87,856	8,54,232	6,11,288	4,31,658
3. Madras .	1,73,233	4,26,691	75,326	34,543	9,672	67,695
4. U. P. .	51,661	1,36,252	91,553	25,361	58,290	42,485
5. East Punjab .	1,026	7,368	4,815	8,848	498	3,586
6. C. P. & Berar	18,443	31,170	18,426	8,120	26,687	7,727
7. Delhi .	46,671	1,27,776	65,438	38,901	34,519	34,656
8. Bihar, . Assam and Ajmer- Merwara.	1,315	1,160	8,377	308	109	104
TOTAL	17,51,911	30,01,830	11,62,497	10,03,455	7,53,060	6,08,439

TABLE 18·9 (F).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Chemicals and sizing materials				
	Hydro-chloric Acid	Maize starch	Tapioca	Flours	Other starches
	28	29	30	31	32
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	15,612	2,34,821	1,05,011	1,12,874	2,37,587
2. Bombay .	2,02,958	38,64,633	31,58,956	37,40,041	74,55,535
3. Madras .	9,438	7,206	4,02,982	61,890	3,93,607
4. U. P. .	29,642	9,13,947	26,392	3,47,205	3,12,220
5. East Punjab	325	48,850	6,552	105	14,819
6. C. P. & Berar	1,717	1,36,005	93,022	1,28,117	2,58,044
7. Delhi .	9,920	6,37,447	90,023	44,489	1,27,206
8. Bihar, Assam and Ajmer- Merwara	395	61,581	2,515	14,539	1,67,129
TOTAL	2,70,007	59,04,490	38,85,453	44,49,260	89,66,147

**TABLE 18.9 (G).—MATERIALS CONSUMED**  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Chemicals and sizing materials		Colours		
	Other chemicals and sizing materials*	Total chemicals and sizing materials	Basic and direct colours	Sulphur colours	Vat Indanthrene and naphthol colours
	33	34	35	36	37
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	2,27,462	16,01,891	1,09,731	38,172	5,33,841
2. Bombay .	63,69,092	3,68,51,771	14,93,512	15,72,386	1,46,73,847
3. Madras .	5,22,063	23,67,403	29,345	94,448	15,01,353
4. U. P. .	6,44,357	30,91,237	49,424	1,57,656	7,89,104
5. East Punjab .	7,053	1,39,619	7,414	4,389	9,371
6. C. P. & Berar .	2,33,290	12,34,042	83,478	58,797	3,29,971
7. Delhi .	3,56,595	17,21,022	43,962	75,736	3,75,912
8. Bihar, Assam and Ajmer-Merwara.	58,681	4,35,279	3,131	5,590	27,360
<b>TOTAL</b>	<b>84,18,593</b>	<b>4,74,42,264</b>	<b>18,19,997</b>	<b>20,07,174</b>	<b>1,82,40,759</b>

\*The corresponding quantity is not shown in Table 18.8 as these 'Other Chemicals and Sizing Materials' are not reported in the same system of units.

**TABLE 18.9 (H).—MATERIALS CONSUMED**  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Colours		Other auxiliary materials*	Packing materials	
	Other colours	Total colours		Paper, all kinds, including labels tickets etc.	Boards
	38	39		41	42
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	10,962	6,92,706	51,475	89,305	3,715
2. Bombay .	17,82,547	1,95,22,292	26,26,749	24,39,300	11,17,493
3. Madras .	29,161	16,54,307	98,652	3,69,632	15,600
4. U. P. .	93,444	10,89,628	42,477	1,30,900	90,298
5. East Punjab .	3,130	24,304	10,477	920	360
6. C. P. & Berar .	21,766	4,94,012	35,020	46,994	53
7. Delhi .	44,178	5,39,788	35,416	24,709	10,826
8. Bihar, Assam and Ajmer-Merwara.	16	36,097	5,191	1,823	4
<b>TOTAL</b>	<b>19,85,204</b>	<b>2,40,53,134</b>	<b>29,05,457</b>	<b>31,03,583</b>	<b>12,38,349</b>

\*The corresponding quantity is not shown in Table 18.8 as all the 'Other Auxiliary Materials' are not reported in the same system of units.

TABLE 18·9 (I).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Packing materials				
	Hessian cloth	Wooden cases	Iron hoops	Other packing materials*	Total packing materials
	43	44	45	46	47
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	2,95,110	30,125	40,260	43,765	5,02,280
2. Bombay .	56,16,365	5,39,282	7,50,332	18,48,823	1,23,11,595
3. Madras .	10,08,828	8,90,719	1,51,039	6,52,620	30,88,438
4. U. P. .	9,82,132	23,288	18,660	1,41,271	13,86,549
5. East Punjab .	22,490	..	2,996	7,224	33,990
6. C. P. & Berar	3,93,415	..	61,996	1,02,783	6,05,241
7. Delhi .	1,88,125	..	13,973	36,028	2,73,661
8. Bihar . Assam and Ajmer- Merwara.	1,06,533	..	1,489	11,498	1,21,347
TOTAL .	86,12,998	14,83,414	10,40,745	28,44,012	1,83,23,101

\*The corresponding quantity is not shown in Table 18·8 as all the 'Other Packing Materials' are not reported in the same system of units.

TABLE 18·9 (J).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Other materials and consumable stores				
	Pickers	Picking-bands	Buffers	Roller skins	Beltung
	48	49	50	51	52
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . .	1,78,295	1,61,531	41,592	1,04,343	3,17,317
2. Bombay . . .	36,28,839	19,65,826	6,85,678	15,83,217	38,81,588
3. Madras . . .	1,10,233	80,539	40,743	3,08,738	5,05,190
4. U. P. . . .	3,03,983	2,88,541	62,165	1,74,215	4,08,681
5. East Punjab . . .	13,290	8,719	3,186	11,815	37,000
6. C. P. & Berar . . .	83,965	65,931	24,895	72,565	2,21,918
7. Delhi . . . .	98,989	39,228	14,455	58,763	1,03,636
8. Bihar, Assam and Ajmer- Merwara . . . .	44,060	27,175	10,168	24,968	83,119
TOTAL . . . .	44,61,654	26,37,490	8,82,882	23,38,624	55,58,449

TABLE 18·9 (K).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Other materials and consumable stores				
	Vegetable oils	Mineral oils	Bobbins and wooden tubes	Shuttles	Healds
	53	54	55	56	57
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	59,068	18,614	6,29,042	1,53,222	2,85,485
2. Bombay . . . . .	20,17,374	4,77,264	1,10,45,569	24,93,096	42,39,580
3. Madras . . . . .	2,45,024	22,360	14,51,589	1,48,575	81,382
4. U. P. . . . .	2,27,725	20,080	12,10,323	2,04,920	2,75,687
5. East Punjab . . . . .	30,319	50	1,17,724	16,579	28,981
6. C. P. and Berar . . . . .	1,27,890	6,701	7,89,553	97,471	2,00,291
7. Delhi . . . . .	1,09,081	35,249	4,75,472	94,428	1,26,502
8. Bihar, Assam and Ajmer-Merwara . . . . .	1,17,316	7,391	3,19,603	55,537	65,015
TOTAL . . . . .	29,33,797	5,87,709	1,60,38,875	32,63,828	53,02,923

TABLE 18·9 (L).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Other materials and consumable stores					Total materials consumed
	Reeds	Ropes	Cotton bandings	Others	Total other materials and consumable stores	
	58	59	60	61	62	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	86,690	36,307	29,168	9,84,472	30,85,146	5,00,32,676
2. Bombay . . . . .	13,49,854	7,16,485	10,51,998	3,12,36,761	6,63,73,129	76,46,88,534
3. Madras . . . . .	40,808	56,363	86,843	42,99,272	74,77,659	18,16,51,158
4. U. P. . . . .	97,769	43,493	2,21,045	42,55,111	77,93,738	9,25,40,953
5. East Punjab . . . . .	7,652	9,323	3,899	5,20,134	8,08,671	45,84,823
6. C. P. and Berar . . . . .	42,094	36,334	58,027	23,67,195	41,94,830	3,72,58,029
7. Delhi . . . . .	68,552	30,331	24,261	24,20,240	36,99,187	2,94,71,098
8. Bihar, Assam and Ajmer-Merwara . . . . .	15,629	25,357	37,954	4,30,726	12,64,018	1,12,08,839
TOTAL . . . . .	17,09,048	9,53,993	15,13,195	4,65,13,911	9,46,96,378	1,17,14,36,110

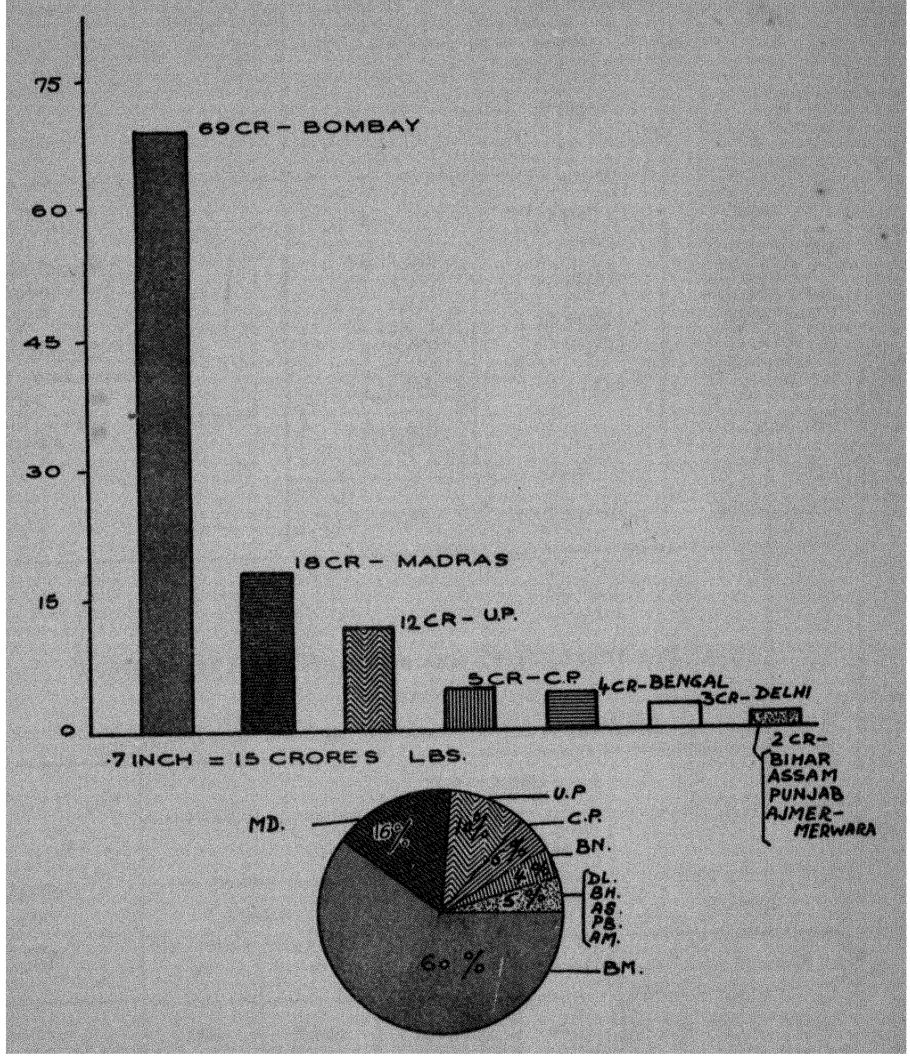
TABLE 18.9 (M).—TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED

Province	Total value of materials consumed	Cost of transport of materials to the factory, commission to purchasing agents etc., which are not included in the previous column	Total ex-factory value of materials consumed
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	5,00,32,676	4,478	5,00,37,154
2. Bombay . . . . .	76,46,88,534	..	76,46,88,534
3. Madras . . . . .	18,16,51,158	..	18,16,51,158
4. U. P. . . . .	9,25,40,953	34,793	9,25,75,746
5. East Punjab . . . . .	45,84,823	534	45,85,357
6. C. P. and Berar . . . . .	3,72,58,029	43,894	3,73,01,923
7. Delhi . . . . .	2,94,71,098	204	2,94,71,312
8. Bihar, Assam and Ajmer-Merwara.	1,12,08,839	..	1,12,08,839
TOTAL . . . . .	1,17,14,36,110	83,903	1,17,15,20,023

TABLE 18.10.—TOTAL PRODUCTION OF YARN WHETHER FOR SALE OR FOR FURTHER MANUFACTURE

Province	Quantity of yarn produced				
	Up to 30 counts	31 to 50 counts	51 to 80 counts	over 80 counts	Total
1	2	3	4	5	6
	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
1. West Bengal . . . . .	3,40,16,431	48,49,672	8,69,659	46,322	3,97,82,084
2. Bombay . . . . .	50,50,39,970	13,42,63,187	4,40,35,181	34,61,112	68,67,99,450
3. Madras . . . . .	12,85,58,251	4,66,53,012	80,22,980	11,52,001	18,43,86,244
4. U. P. . . . .	11,21,01,384	91,11,868	1,03,223	..	12,13,16,475
5. East Punjab . . . . .	39,95,740	..	..	..	39,95,740
6. C. P. and Berar . . . . .	4,91,92,462	14,32,481	93,935	91,081	5,08,09,959
7. Delhi . . . . .	3,02,67,909	8,08,612	8,15,117	48,378	3,19,40,016
8. Bihar, Assam and Ajmer-Merwara	1,63,18,118	2,58,036	..	..	1,65,76,154
TOTAL . . . . .	87,94,90,265	19,73,76,868	5,39,40,095	47,98,894	1,13,56,06,122

# TOTAL PRODUCTION OF YARN





**TABLE 18-11 (A).— PRODUCTS AND BY-PRODUCTS FOR SALE**  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Yarn		
	Cotton yarn	Yarn made wholly or partly from any other fibre	Total yarn
	1	2	3
	Lbs.	Lbs.	Lbs.
1. West Bengal . . . . .	91,93,265	..	91,93,265
2. Bombay . . . . .	11,68,93,355	14,160	11,69,07,515
3. Madras . . . . .	14,51,11,116	..	14,51,14,416
4. U. P. . . . .	32,49,911	4,76,21,018	5,08,70,029
5. East Punjab . . . . .	5,98,960	94,228	6,93,188
6. C. P. and Berar . . . . .	2,50,28,175	..	2,50,28,175
7. Delhi . . . . .	54,56,710	240	54,56,950
8. Bihar, Assam and Ajmer-Merwara . . . . .	} 63,31,947	..	63,31,947
<b>TOTAL</b> . . . . .	<b>31,18,65,839</b>	<b>4,77,29,646</b>	<b>35,95,95,485</b>

**TABLE 18-11 (B).— PRODUCTS AND BY-PRODUCTS FOR SALE**  
(QUANTITY)  
(Products used in the factory are excluded.)

Province	Woven goods					
	Woven piece-goods, grey					
	Dhoties		Sarrees		Chaddars	
	5	6	7	8	9	10
	Lbs.	Yards	Lbs	Yard	Lbs.	Yards
1. West Bengal . . . . .	1,55,29,478	7,23,77,474	68,44,165	2,94,45,179	..	3,45,795
2. Bombay . . . . .	5,02,00,885	24,76,61,583	4,15,64,671	20,60,83,068	16,79,945	..
3. Madras . . . . .	11,04,599	45,61,978	57,855	2,80,922	18,027	..
4. U. P. . . . .	2,15,44,888	10,77,27,031	1,32,49,059	7,02,87,870	18,39,498	37,08,331
5. East Punjab . . . . .	3,42,123	13,48,316	23,991	63,340	1,954	..
6. C.P. and Berar . . . . .	1,06,15,643	3,66,24,274	14,41,258	53,45,700	7,44,745	13, ..
7. Delhi . . . . .	15,66,014	56,37,699	14,51,522	59,72,215	7,48,988	13,49,880
8. Bihar Assam and Ajmer-Merwara . . . . .	} 21,70,011	81,77,826	5,99,271	27,84,294	1,36,070	2,76,934
<b>TOTAL</b> . . . . .	<b>10,30,73,641</b>	<b>48,41,16,181</b>	<b>6,52,31,792</b>	<b>32,03,02,088</b>	<b>52,88,97</b>	<b>1,12,75,692</b>

**TABLE 18-11 (C).—PRODUCTS AND BY-PRODUCTS FOR SALE**  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Woven goods			
	Woven piece-goods, grey			
	Drills and jean		Cambrics, lawn mulls, and voils	
	11	12	13	14
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	205	910	255	1,855
2. Bombay . . . . .	2,44,81,369	6,81,45,464	8,58,174	60,65,913
3. Madras . . . . .			63,222	2,79,524
4. U. P. . . . .	68,150	1,74,138	14	95
5. East Punjab . . . . .	1,723	5,168	..	..
6. C. P. and Berar . . . . .	10,43,691	27,40,717	13	150
7. Delhi . . . . .	20,048	51,890	..	..
8. Bihar, Assam and Ajmer- Merwara . . . . .	} 7,057	18,687	..	..
<b>TOTAL</b> . . . . .	2,56,22,243	7,11,36,974	9,21,678	63,47,537

**TABLE 18-11 (D).—PRODUCTS AND BY-PRODUCTS FOR SALE**  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Woven goods			
	Woven piece-goods, grey			
	Shirtings and long cloth		T-cloth domestics and sheet-ings	
	15	16	17	18
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	38,77,827	1,95,85,420	10,858	55,880
2. Bombay . . . . .	9,49,84,384	36,93,65,932	3,55,70,918	10,09,38,508
3. Madras . . . . .	32,91,297	1,53,58,758	..	..
4. U. P. . . . .	1,12,21,573	4,76,24,726	66,68,461	2,47,41,529
5. East Punjab . . . . .	16,40,842	62,25,238	4,239	18,265
6. C. P. and Berar . . . . .	13,89,190	41,09,504	7,66,683	19,41,941
7. Delhi . . . . .	10,45,084	38,70,892	46,24,273	1,30,36,216
8. Bihar, Assam and Ajmer-Merwara . . . . .	} 3,49,046	14,02,454	1,28,006	3,65,094
<b>TOTAL</b> . . . . .	11,77,99,243	46,75,42,974	4,77,82,438	14,10,97,433

**TABLE 18-11 (E).—PRODUCTS AND BY-PRODUCTS FOR SALE**  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Woven goods			
	Woven piece-goods, grey			
	Tent cloth		Khadi, dungari or khaddar	
	19	20	21	22
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	3,38,484	6,64,693	3,43,331	10,05,540
2. Bombay . . . . .	29,61,939	54,77,580	34,13,680	89,00,241
3. Madras . . . . .	..	..	55,849	1,92,904
4. U. P. . . . .	20,340	38,497	9,91,068	38,17,573
5. East Punjab . . . . .	..	..	..	..
6. C. P. and Berar . . . . .	1,76,229	3,28,514	15,06,775	39,30,737
7. Delhi . . . . .	5,64,532	14,80,449	3,82,361	11,86,260
8. Bihar Assam and Ajmer-Merwara . . . . .	} 70,895	1,31,432	63,55,395	1,95,16,735
<b>TOTAL</b> . . . . .	<b>41,32,419</b>	<b>81,21,165</b>	<b>1,30,48,459</b>	<b>3,85,49,990</b>

**TABLE 18-11 (F).—PRODUCTS AND BY-PRODUCTS FOR SALE**  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Woven goods					
	Woven piece-goods, grey					
	Tussorees and coatings	Tussorees and coatings	Canvas		Others	
	23	24	25	26	27	28
	Lbs.	Yards	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	14,434	56,745	50,358	43,347	10,49,239	41,28,301
2. Bombay . . . . .	11,02,636	33,63,228	24,62,172	30,91,497	41,20,155	86,67,683
3. Madras . . . . .	22,680	68,040	6,020	9,680	4,27,775	22,86,320
4. U. P. . . . .	4,22,521	6,83,260	9,15,921	12,39,796	11,25,153	26,85,521
5. East Punjab . . . . .	5,667	16,335	..	..	350	2,088
6. C. P. and Berar . . . . .	67,535	1,70,503	..	..	5,48,265	15,25,737
7. Delhi . . . . .	40,200	1,20,000	43,239	48,906	2,66,147	3,57,033
8. Bihar, Assam . and Ajmer- Merwara . . . . .	} ..	..	..	..	30,527	87,980
<b>TOTAL</b> . . . . .	<b>16,75,673</b>	<b>44,78,111</b>	<b>34,77,710</b>	<b>44,33,226</b>	<b>75,67,611</b>	<b>1,97,40,663</b>

TABLE 18-11 (G).— PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Woven goods	
	Woven piece-goods, grey	
	Total 'woven piece—goods grey'	
	29	30
	Lbs.	Yards
1. West Bengal . . . . .	2,81,86,495	12,77,11,139
2. Bombay . . . . .	26,34,00,928	1,03,19,90,874
3. Madras . . . . .	50,47,324	2,30,87,931
4. U. P. . . . .	5,80,66,646	26,27,22,917
5. East Punjab . . . . .	20,20,889	77,02,707
6. C. P. and Berar . . . . .	1,83,00,027	5,80,54,090
7. Delhi . . . . .	1,07,52,408	3,31,10,940
8. Bihar, Assam and Ajmer-Merwara . . . . .	98,46,887	3,27,61,436
TOTAL . . . . .	39,56,21,604	1,57,71,42,034

TABLE 18-11 (H).— PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Woven goods			
	Woven piece-goods, fancy			
	Dhoties		Sarees	
	31	32	33	34
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	35,099	1,65,758	8,29,832	29,18,538
2. Bombay . . . . .	2,63,53,083	16,44,46,381	1,61,28,829	10,35,27,264
3. Madras . . . . .	7,36,760	36,64,422	23,935	1,51,861
4. U. P. . . . .	52,979	2,40,941	1,02,135	4,40,217
5. East Punjab . . . . .	8,122	30,263	..	..
6. C. P. and Berar . . . . .	3,26,701	14,28,860	57,152	2,51,091
7. Delhi . . . . .	6,98,491	32,32,174	14,66,961	59,25,850
8. Bihar, Assam and Ajmer-Merwara . . . . .	} ..	..	..	..
TOTAL . . . . .	2,82,11,235	17,32,08,799	1,86,08,844	11,32,14,821

TABLE 18·11 (I).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded)

Province	Woven goods	
	Woven piece-goods, fancy	
	Chaddars	
	35	36
	Lbs.	Yards
1. West Bengal . . . . .	5,532	11,507
2. Bombay . . . . .	37,58,327	89,05,402
3. Madras . . . . .	1,61,615	3,69,405
4. U. P. . . . .	1,44,064	2,82,876
5. East Punjab . . . . .	1,806	5,200
6. C. P. and Berar . . . . .	6,28,936	12,28,177
7. Delhi . . . . .	14,07,874	29,09,874
8. Bihar, Assam and Ajmer-Merwara . . . . .	..	..
TOTAL . . . . .	61,08,154	1,37,12,241

TABLE 18·11 (J).— PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded)

Province	Woven goods			
	Woven piece-goods, fancy			
	Drills and jeans		Cambrics, lawns, mulls and voils	
	37	38	39	40
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	759	2,840	10,851	71,533
2. Bombay . . . . .	3,23,34,642	9,73,48,255	1,13,50,672	8,64,56,364
3. Madras . . . . .	60,11,178	1,53,52,703	24,38,447	1,24,22,424
4. U. P. . . . .	30,29,437	69,28,195	5,23,591	25,92,820
5. East Punjab . . . . .	4,014	11,720	680	3,770
6. C. P. and Berar . . . . .	6,73,999	20,04,771	4,581	24,161
7. Delhi . . . . .	2,03,325	6,66,858	2,89,702	12,62,600
8. Bihar, Assam and Ajmer-Merwara . . . . .	1,704	4,360	..	..
TOTAL . . . . .	4,22,59,058	12,23,19,702	1,46,18,524	10,28,33,672

**TABLE 18·11 (K).— PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)**

(Products used in the factory are excluded)

Province	Woven goods			
	Woven piece-goods, fancy			
	Shirtings and long-cloth		Cloth, domestics and sheetings	
	41	42	43	44
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	18,91,926	73,74,971	38,877	1,14,434
2. Bombay . . . . .	10,44,92,692	52,68,57,486	50,65,719	1,03,04,617
3. Madras . . . . .	61,15,826	2,81,25,406	3,12,997	8,01,562
4. U. P. . . . .	40,74,311	1,74,20,191	21,01,147	52,82,942
5. East Punjab . . . . .	13,44,692	52,30,448	..	..
6. C. P. and Berar . . . . .	16,75,250	66,78,681	3,00,108	6,87,056
7. Delhi . . . . .	52,63,005	2,14,22,401	12,82,192	28,51,275
8. Bihar, Assam and Ajmer-Merwara } . . . . .	6,175	21,955	27,151	1,17,894
<b>TOTAL . . . . .</b>	<b>12,48,63,877</b>	<b>61,31,31,539</b>	<b>91,28,191</b>	<b>2,01,59,780</b>

**TABLE 18·11 (L).— PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)**

(Products used in the factory are excluded)

Province	Woven Piece-goods, fancy			
	Tent cloth		Khadi, dungari or khaddar	
	45	46	47	48
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	..	..	..	..
2. Bombay . . . . .	10,79,577	20,79,191	11,08,562	33,39,637
3. Madras . . . . .	..	..	218	653
4. U. P. . . . .	2,47,157	5,47,328	3,53,441	12,96,813
5. East Punjab . . . . .	..	..	762	5,080
6. C. P. & Berar . . . . .	2,08,283	4,43,148	9,03,754	26,14,230
7. Delhi . . . . .	14,237	36,576	24,52,760	95,82,498
8. Bihar, Assam and Ajmer-Merwara } . . . . .	..	..	..	..
<b>TOTAL . . . . .</b>	<b>15,49,254</b>	<b>31,06,243</b>	<b>48,19,497</b>	<b>1,68,38,911</b>

**TABLE 18-11 (M).— PRODUCTS AND BY-PRODUCTS FOR SALE**  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Woven goods			
	Woven piece-goods, fancy			
	Tussore and coatings		Canvas	
	49	50	51	52
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	7,099	15,780	..	..
2. Bombay . . . . .	2,85,94,993	9,18,96,376	24,23,657	49,87,287
3. Madras . . . . .	40,46,193	1,35,82,780	14,89,353	25,45,835
4. U. P. . . . .	41,137	1,10,902	3,13,941	5,71,936
5. East Punjab . . . . .	21,517	77,535	..	..
6. C. P. and Berar . . . . .	10,43,957	35,64,857	..	..
7. Delhi . . . . .	87,983	2,39,526	..	..
8. Bihar-Assam and Ajmer-Merwara . . . . .	..	..	..	..
<b>TOTAL</b> . . . . .	<b>3,38,42,879</b>	<b>10,94,87,756</b>	<b>42,26,951</b>	<b>81,05,058</b>

**TABLE 18-11 (N).— PRODUCTS AND BY-PRODUCTS FOR SALE**  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Woven goods			
	Woven piece-goods, fancy			
	Others		Total	
	53	54	55	56
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	1,35,467	5,05,198	29,55,442	1,11,80,559
2. Bombay . . . . .	2,91,72,710	10,18,68,658	26,18,63,463	1,20,20,16,918
3. Madras . . . . .	6,28,785	10,86,474	2,19,65,307	7,81,03,525
4. U. P. . . . .	6,61,959	19,37,977	1,16,45,299	3,76,52,938
5. East Punjab . . . . .	1,23,715	5,60,714	15,05,308	59,24,730
6. C. P. and Berar . . . . .	4,70,382	12,92,845	62,93,103	2,02,17,877
7. Delhi . . . . .	1,72,831	7,59,247	1,33,39,361	4,88,88,879
8. Bihar, Assam and Ajmer-Merwara . . . . .	94,057	3,68,016	1,29,087	5,12,225
<b>TOTAL</b> . . . . .	<b>3,14,59,906</b>	<b>10,83,79,129</b>	<b>31,96,96,370</b>	<b>1,40,44,97,651</b>

**TABLE 18-11 (O).— PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)**

(Products used in the factory are excluded)

Province	Woven goods			
	Woven piece-goods, 100 % Weft or 100 % Warp of fibre other than cotton		Woven piece-goods, prints	
			Sarees	
	57	58	59	60
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	31,283	1,66,642	..	..
2. Bombay . . . . .	1,68,268	12,10,190	8,13,172	51,12,074
3. Madras . . . . .	35,257	1,03,865	..	..
4. U. P. . . . .	34	17	..	..
5. East Punjab . . . . .	59,428	1,20,310	..	..
6. C. P. and Berar . . . . .	4,359	45,289	..	..
7. Delhi . . . . .	..	..	..	..
8. Bihar, Assam and Ajmer-Merwara } . . . . .	13	74	..	..
<b>TOTAL . . . . .</b>	<b>2,98,642</b>	<b>16,46,387</b>	<b>8,13,172</b>	<b>51,12,074</b>

**TABLE 18-11 (P).— PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)**

(Products used in the factory are excluded)

Province	Woven goods			
	Woven piece-goods prints			
	Cambrics, mulls and voils		Shirtings and long-cloth	
	61	62	63	64
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	1,00,303	7,84,670	7,46,042	29,70,855
2. Bombay . . . . .	37,18,639	2,92,89,347	1,26,45,239	5,48,45,632
3. Madras . . . . .	..	..	..	..
4. U. P. . . . .	..	..	8,56,054	45,64,500
5. East Punjab . . . . .	..	..	..	..
6. C. P. and Berar . . . . .	1,060	7,654	4,32,762	22,56,553
7. Delhi . . . . .	..	..	..	..
8. Bihar, Assam and Ajmer-Merwara } . . . . .	..	..	..	..
<b>TOTAL . . . . .</b>	<b>38,20,002</b>	<b>3,00,81,671</b>	<b>1,46,80,097</b>	<b>6,46,37,540</b>



# PRODUCTION OF WOVEN PIECE GOODS

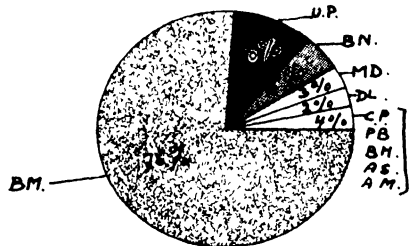
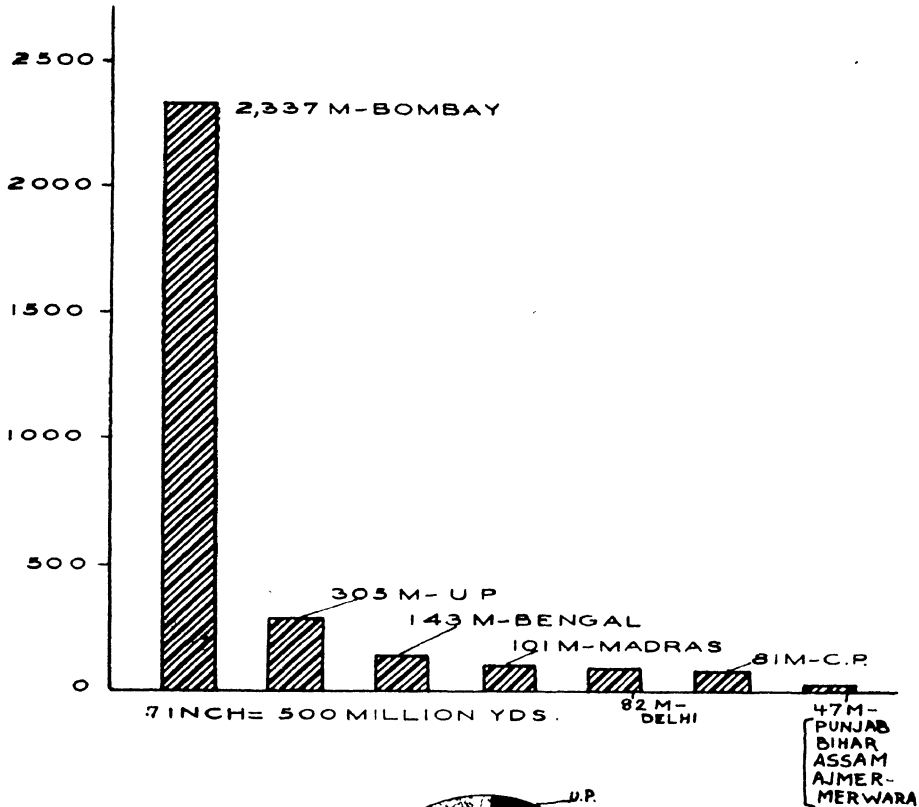


Table 18·11 (Q). — PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Woven goods			
	Woven piece-goods, prints			
	All others		Total	
	65	66	67	68
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	33,741	1,63,160	8,80,086	39,18,685
2. Bombay . . . . .	28,74,445	1,27,59,247	2,00,51,495	10,20 06,300
3. Madras . . . . .	47,004	1,70,290	47,004	1,70,290
4. U. P. . . . .	..	..	8,56,054	45,64,500
5. East Punjab . . . . .	..	..	..	..
6. C. P. and Berar . . . . .	198	750	4,34,020	22,64,957
7. Delhi . . . . .	..	..	..	..
8. Bihar, Assam and Ajmer-Merwara } . . . . .	..	..	..	..
TOTAL . . . . .	29,55,388	1,30,93,447	2,22,68,659	11,29,24,732

TABLE 18·11 (R).— PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Woven goods		
	Total woven piece-goods		Woven goods other than piece-goods
	69	70	71
	Lbs.	Yards	s.
1. West Bengal . . . . .	3,20,53,306	14,29,77,025	76,720
2. Bombay . . . . .	54,54,84,154	2,33,72,24,282	92,00,876
3. Madras . . . . .	2,70,94,892	10,14,65,611	21,48,212
4. U. P. . . . .	7,05,68,033	30,49,40,372	24,47,419
5. East Punjab . . . . .	35,85,625	1,37,47,747	8,577
6. C. P. and Berar . . . . .	2,50,31,509	8,05,82,213	2,17,319
7. Delhi . . . . .	2,40,91,769	8,19,99,819	12,54,916
8. Bihar, Assam and Ajmer-Merwara . . . . .	99,75,987	3,32,73,735	253
TOTAL . . . . .	73,78,85,275	3,09,62,10,804	1,53,54,292

TABLE 18-11 (S).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Hosiery and knitted goods		Threads	Ropes, band- ings, tapes, newars, etc.
	72	73	74	75
	Lbs.	Dozen	Lbs.	Lbs.
1. West Bengal . . . . .	10,53,164	4,88,648	1,922	82,494
2. Bombay . . . . .	8,751	3,463	35,15,629	4,73,579
3. Madras . . . . .	..	..	22,379	23,666
4. U. P. . . . .	3,46,285	1,68,648	..	1,16,569
5. East Punjab . . . . .	2,500	1,250	..	280
6. C. P. and Berar . . . . .	..	..	65,556	23,968
7. Delhi . . . . .	..	..	2,839	59,246
8. Bihar, Assam and Ajmer-Merwara } . . . . .	..	..	..	..
<b>TOTAL</b> . . . . .	<b>14,10,700</b>	<b>6,62,009</b>	<b>36,08,325</b>	<b>7,79,802</b>

TABLE 18-11 (T).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded)

Province	Cotton waste	Yarn waste	Cloth rags
	76	77	78
	Lbs.	Lbs.	Lbs.
1. West Bengal . . . . .	37,88,253	7,45,854	9,571
2. Bombay . . . . .	6,67,92,325	4,98,36,863	30,63,647
3. Madras . . . . .	2,79,25,660	8,90,414	589
4. U. P. . . . .	70,12,111	41,30,562	80,569
5. East Punjab . . . . .	6,27,753	2,38,563	..
6. C. P. and Berar . . . . .	35,12,454	12,31,626	57,904
7. Delhi . . . . .	40,02,585	12,24,671	1,67,898
8. Bihar, Assam and Ajmer-Merwara . . . . .	15,48,743	6,78,680	51,981
<b>TOTAL</b> . . . . .	<b>11,52,09,884</b>	<b>5,89,77,233</b>	<b>34,32,159</b>

**TABLE 18-12(A).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED DURING THE YEAR (QUANTITY)**

Province	Yarn			Woven goods	
	Cotton yarn	Yarn made wholly or partly from any other fibre	Total	Woven piece-goods, grey	
				Dhoties	
	1	2	3	4	5
	Lbs.	Lbs.	Lbs.	Lbs.	Yards
1. West Bengal .	86,25,496	..	86,25,496	1,79,91,046	7,99,26,466
2. Bombay .	11,59,09,926	14,000	11,59,23,926	5,19,85,712	24,83,09,966
3. Madras .	15,53,44,998	..	15,53,44,998	18,94,704	79,51,032
4. U. P. .	19,45,280	4,88,19,435	5,07,64,715	2,16,15,658	10,79,46,256
5. East Punjab .	6,71,040	94,228	7,65,268	2,90,281	10,57,018
6. C. P. and Berar	2,44,78,919	..	2,44,78,919	1,03,29,851	3,52,92,532
7. Delhi .	54,77,138	230	54,77,368	16,46,511	58,20,604
8. Bihar, Assam and Ajmer Merwara.	64,47,460	..	64,47,460	21,16,582	81,06,311
<b>TOTAL</b> .	31,89,00,257	4,89,27,893	36,78,28,150	10,78,70,345	49,44,10,185

**TABLE 18-12(B).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED DURING THE YEAR (QUANTITY)**

Province	Woven goods			
	Woven piece-goods, grey			
	Sarees		Chaddars	
	7	8	9	10
	Lbs.	Yards	Lbs.	Yards
1. West Bengal .	54,17,465	2,97,34,743	1,17,977	3,45,770
2. Bombay .	4,12,66,285	20,77,33,845	16,63,128	40,03,269
3. Madras .	66,907	2,44,671	18,173	39,712
4. U. P. .	1,25,11,051	6,80,47,743	20,12,879	40,72,725
5. East Punjab .	13,882	47,250	1,954	3,907
6. C. P. and Berar .	13,86,755	51,02,548	7,07,652	12,87,082
7. Delhi .	15,52,602	64,68,731	8,23,109	19,61,618
8. Bihar, Assam and Ajmer-Merwara.	5,43,164	26,43,930	1,39,482	3,07,716
<b>TOTAL</b> .	6,27,58,111	32,00,23,461	54,84,354	1,20,21,799

**TABLE 18-12 (C).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED DURING THE YEAR (QUANTITY)**

Province	Woven goods			
	Woven piece-goods, grey			
	Drills and jeans		Cambrics, lawns and mulls and voils.	
	11	12	13	14
	Lbs.	Yards	Lbs.	Yards
1. West Bengal.	4,407	17,629	219	1,600
2. Bombay.	2,58,86,822	7,08,48,906	6,61,853	41,47,314
3. Madras.	..	..	58,147	2,60,970
4. U.P.	81,600	2,14,110	171	1,057
5. East Punjab.	..	..	..	..
6. C.P. and Berar.	9,43,633	25,11,787	..	..
7. Delhi.	20,560	65,036	..	..
8. Bihar, Assam and Ajmer-Merwara.	3,186	8,707	..	..
<b>TOTAL</b>	<b>2,69,40,208</b>	<b>7,36,66,175</b>	<b>7,20,390</b>	<b>44,10,941</b>

**TABLE 18-12(D).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED DURING THE YEAR (QUANTITY)**

Province	Woven goods			
	Woven piece-goods			
	Shirtings and long-cloth		T-cloth, domestics and sheetings	
	15	16	17	18
	Lbs.	Yards.	Lbs.	Yards.
1. West Bengal.	41,94,524	2,10,19,180	1,24,392	3,50,000
2. Bombay	10,26,92,076	37,62,94,001	3,16,15,526	9,15,79,612
3. Madras	43,93,087	1,81,61,347	..	..
4. U. P.	1,08,25,476	4,64,93,601	67,04,708	2,52,66,251
5. East Punjab	17,00,903	67,44,031	4,239	18,265
6. C. P. and Berar	13,58,760	40,53,136	8,03,959	19,41,002
7. Delhi	12,65,569	47,30,229	44,43,980	1,23,87,634
8. Bihar Aassam and Ajmer-Merwara.	4,23,729	17,12,852	1,48,064	3,87,387
<b>TOTAL</b>	<b>12,68,54,124</b>	<b>47,92,08,377</b>	<b>4,38,44,868</b>	<b>13,19,30,151</b>

**TABLE 18·12(E).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED DURING THE YEAR**  
(QUANTITY)

Province	Woven goods			
	Woven piece-goods, grey			
	Tent cloth		Khadi, dungari or khaddar	
	19	20	21	22
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	4,26,052	8,53,024	3,39,558	9,94,490
2. Bombay . . . . .	34,44,599	62,23,021	30,93,354	53,92,441
3. Madras . . . . .	40	73	73,176	2,26,665
4. U. P. . . . .	1,91,769	3,61,989	9,12,368	36,20,930
5. East Punjab . . . . .	..	..	..	..
6. C. P. and Berar . . . . .	1,90,610	3,64,921	13,92,728	37,00,421
7. Delhi . . . . .	7,94,867	20,41,177	4,59,977	12,15,317
8. Bihar, Assam and Ajmer-Merwara. } . . . . .	90,934	1,76,858	60,48,064	1,84,85,306
<b>TOTAL</b> . . . . .	<b>51,38,871</b>	<b>1,00,21,063</b>	<b>1,23,19,225</b>	<b>3,36,35,570</b>

**TABLE 18·12(F).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED DURING THE YEAR**  
(QUANTITY)

Province	Woven goods			
	Woven piece-goods, grey			
	Tussore and coatings		Canvas	
	23	24	25	26
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	797	3,188	62,578	53,864
2. Bombay . . . . .	8,26,357	24,45,936	31,36,674	37,31,524
3. Madras . . . . .	22,680	68,040	18,060	26,512
4. U. P. . . . .	4,07,330	6,64,513	9,78,871	13,26,660
5. East Punjab . . . . .	5,726	17,404	..	..
6. C. P. and Berar . . . . .	64,444	1,61,055	..	..
7. Delhi . . . . .	39,900	1,19,400	89,051	1,13,264
8. Bihar, Assam and Ajmer-Merwara. } . . . . .	..	..	..	..
<b>TOTAL</b> . . . . .	<b>13,67,234</b>	<b>34,79,536</b>	<b>42,85,234</b>	<b>52,51,824</b>

TABLE 18·12 (G).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)

Province	Woven goods			
	Woven piece goods, grey			
	Others		Total woven piece-goods, grey	
	27	28	29	30
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	11,88,588	43,55,521	2,98,67,603	13,76,55,475
2. Bombay . . . . .	56,56,893	1,10,41,211	27,19,29,279	1,03,17,51,046
3. Madras . . . . .	4,09,406	22,70,786	69,54,380	2,92,49,808
4. U. P. . . . .	17,13,859	43,50,870	5,79,55,740	26,23,66,705
5. East Punjab . . . . .	320	1,923	20,17,305	78,89,798
6. C. P. and Berar . . . . .	5,86,268	16,50,801	1,77,64,660	5,60,65,285
7. Delhi . . . . .	2,56,204	3,34,938	1,13,92,330	3,52,57,948
8. Bihar, Assam and Ajmer-Merwara. } . . . . .	57,733	1,71,201	95,70,938	3,20,00,268
<b>TOTAL . . . . .</b>	<b>98,69,271</b>	<b>2,41,77,251</b>	<b>40,74,52,235</b>	<b>1,59,22,36,333</b>

TABLE 18·12 (H).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)

Province	Woven goods			
	Woven piece goods, fancy			
	Dhoties		Sarees	
	31	32	33	34
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	44,987	1,36,375	9,29,044	28,72,057
2. Bombay . . . . .	2,61,02,875	16,46,18,252	1,47,96,219	8,67,25,346
3. Madras . . . . .	7,32,270	32,52,478	23,784	1,50,928
4. U. P. . . . .	54,329	2,45,377	84,339	3,42,727
5. East Punjab . . . . .	8,105	29,933	3,750	13,500
6. C. P. and Berar . . . . .	2,67,432	11,53,129	44,377	1,97,294
7. Delhi . . . . .	6,08,184	30,52,333	12,00,023	48,11,073
8. Bihar, Assam and Ajmer-Merwara. } . . . . .	..	..	..	..
<b>TOTAL . . . . .</b>	<b>2,78,18,182</b>	<b>17,24,87,877</b>	<b>1,70,81,536</b>	<b>9,51,12,925</b>

**TABLE 18-12 (I).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)**

Province	Woven goods			
	Woven piece-goods, fancy			
	Chaddars		Drills and jeers	
	35	36	37	38
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . .	4,500	9,444	1,272	3,816
2. Bombay . . .	37,40,098	91,78,991	3,22,26,509	9,82,17,393
3. Madras . . .	1,86,190	3,90,476	47,88,961	1,35,78,215
4. U. P. . . . .	1,54,506	2,99,925	31,84,832	72,73,914
5. East Punjab . . .	1,806	5,200	4,014	11,720
6. C. P. and Berar . .	7,62,024	14,87,249	6,43,042	19,94,136
7. Delhi . . . . .	17,81,686	33,26,686	2,28,592	7,29,123
8. Bihar, Assam and Ajmer-Merwara.	..	..	88,800	2,24,200
<b>TOTAL</b> . . . . .	<b>66,30,810</b>	<b>1,46,97,971</b>	<b>4,11,66,022</b>	<b>12,20,32,517</b>

**TABLE 18-12 (J).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)**

Province	Woven goods			
	Woven piece-goods, fancy			
	Cambrics, lawns, mulls and voils		Shirtings and long-cloth	
	39	40	41	42
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . .	9,594	67,158	21,11,636	80,21,778
2. Bombay . . . . .	1,13,62,579	9,03,06,989	10,99,91,197	54,37,27,425
3. Madras . . . . .	25,11,599	1,27,90,323	71,18,943	2,95,44,397
4. U. P. . . . .	4,63,689	23,87,205	36,86,521	1,65,12,285
5. East Punjab . . .	678	3,761	12,68,294	48,45,463
6. C. P. and Berar . .	3,273	12,475	15,22,753	58,91,227
7. Delhi . . . . .	3,02,425	16,30,781	53,11,573	2,16,87,012
8. Bihar, Assam and Ajmer-Merwara.	..	..	24,213	1,00,053
<b>TOTAL</b> . . . . .	<b>1,46,53,837</b>	<b>10,71,98,692</b>	<b>13,10,35,130</b>	<b>63,03,29,640</b>

TABLE 18·12 (K).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)

Province	Woven goods			
	Woven piece-goods, fancy			
	T-Cloth, domestics and sheetings		Tent cloth	
	43	44	45	46
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	1,23,698	3,52,271	..	..
2. Bombay . . . . .	56,12,565	1,23,71,902	13,97,720	23,56,530
3. Madras . . . . .	3,17,284	8,93,470	..	..
4. U. P. . . . .	18,94,277	50,41,749	4,42,550	9,43,861
5. East Punjab . . . . .	..	..	..	..
6. C. P. and Berar . . . . .	3,03,838	7,14,230	2,56,888	7,00,335
7. Delhi . . . . .	13,17,099	35,04,601	64,978	2,25,938
8. Bihar, Assam and Ajmer-Merwara.	49,464	2,19,440	..	..
TOTAL . . . . .	96,18,225	2,30,97,663	21,62,136	42,26,664

TABLE 18·12 (L).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)

Province	Woven goods			
	Woven piece-goods, fancy			
	Khadi, dunguri or khaddar		Tussorees and coatings	
	47	48	49	50
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	..	..	6,560	14,110
2. Bombay . . . . .	13,06,633	38,63,205	2,79,43,474	8,83,27,576
3. Madras . . . . .	168	503	36,75,610	1,32,38,236
4. U. P. . . . .	3,76,471	14,87,932	47,889	1,30,731
5. East Punjab . . . . .	762	5,080	20,798	80,613
6. C. P. and Berar . . . . .	8,99,637	25,71,969	9,81,693	33,90,587
7. Delhi . . . . .	22,17,257	77,77,301	1,13,857	2,82,672
8. Bihar, Assam and Ajmer-Merwara.	..	..	..	..
TOTAL . . . . .	48,00,928	1,57,05,990	3,27,89,881	10,54,64,525

**TABLE 18·12 (M).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)**

Province	Woven goods			
	Woven piece-goods, fancy			
	Canvas		Others	
	51	52	53	54
	Lbs.	Yards	Lbs.	Yards
1. West Bengal	..	..	1,02,981	5,92,478
2. Bombay	24,69,180	50,43,447	2,88,43,418	9,81,04,971
3. Madras	13,43,844	24,87,344	5,53,352	9,84,118
4. U. P.	4,39,272	7,58,845	5,68,682	16,89,193
5. East Punjab	..	..	1,24,632	5,64,395
6. C. P. and Berar	..	..	6,33,049	23,28,697
7. Delhi	..	..	1,97,003	7,75,037
8. Bihar, Assam and Ajmer-Merwara.	..	..	98,837	3,90,866
<b>TOTAL</b>	42,52,296	82,89,636	3,11,21,954	10,54,29,755

**TABLE 18·12 (N).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)**

Province	Woven goods			
	Woven piece-goods, fancy Total		Woven piece-goods, 100% weft or 100% warp, of fibre other than cotton	
	55	56	57	58
	Lbs.	Yards	Lbs.	Yards
1. West Bengal	33,34,272	1,20,69,487	35,685	2,14,702
2. Bombay	26,57,92,467	1,20,28,42,027	1,64,386	11,11,933
3. Madras	2,12,52,005	7,73,10,488	25,002	76,971
4. U. P.	1,13,97,357	3,71,13,744	34	17
5. East Punjab	14,32,839	55,59,665	1,29,316	1,72,362
6. C. P. and Berar	63,18,006	2,04,41,328	3,867	40,203
7. Delhi	1,33,42,677	4,78,02,557	..	..
8. Bihar, Assam and Ajmer-Merwara.	2,61,314	9,34,559	5	27
<b>TOTAL</b>	32,31,30,937	1,40,40,73,855	3,58,295	16,16,215

TABLE 18·12 (O).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)

Province	Woven goods			
	Woven piece-goods, prints			
	Sarees		Cambrics, mulls and voils	
	59	60	61	62
	Lbs.	Yards	Lbs.	Yards
1. West Bengal . . . . .	..	..	96,685	7,73,478
2. Bombay . . . . .	15,61,866	95,52,953	43,50,402	3,20,86,775
3. Madras . . . . .	..	..	..	..
4. U. P. . . . .	..	..	..	..
5. East Punjab . . . . .	..	..	..	..
6. C. P. and Berar . . . . .	..	..	10,169	70,535
7. Delhi . . . . .	..	..	..	..
8. Bihar, Assam and Ajmer-Merwara.	..	..	..	..
TOTAL . . . . .	15,61,866	95,52,953	44,57,256	3,29,30,788

TABLE 18·12 (P).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)

Province	Woven goods			
	Woven piece-goods, prints			
	Shirtings and long-cloth		All others	
	63	64	65	66
	Lbs.	Yards	Lbs.	Yards
1. West Bengal. . . . .	7,30,427	29,21,706	34,836	1,72,466
2. Bombay . . . . .	1,30,00,245	5,89,38,284	28,29,007	1,24,92,898
3. Madras . . . . .	..	..	35,445	1,33,294
4. U. P. . . . .	9,43,652	50,46,271	41,291	78,477
5. East Punjab . . . . .	..	..	..	..
6. C. P. and Berar . . . . .	4,05,378	21,09,675	..	..
7. Delhi . . . . .	..	..	..	..
8. Bihar, Assam and Ajmer-Merwara.	..	..	..	..
TOTAL . . . . .	1,50,79,702	6,90,15,936	29,40,579	1,28,77,135

TABLE 18-12 (Q).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)

Province	Woven goods			
	Woven piece-goods—prints		Total woven piece-goods	
	Total		69	70
	67	68		
Lbs.	Yards	Lbs.	Yards	
1. West Bengal . . . . .	8,61,948	38,67,650	3,40,99,508	15,38,07,314
2. Bombay . . . . .	2,17,41,520	11,30,70,910	55,96,27,652	2,34,87,75,916
3. Madras . . . . .	35,445	1,33,294	2,82,66,832	10,67,70,561
4. U. P. . . . .	9,84,943	51,24,748	7,03,38,074	30,46,05,214
5. East Punjab . . . . .	..	..	35,79,460	1,36,21,825
6. C. P. and Berar . . . . .	4,15,547	21,80,210	2,45,02,080	7,87,27,026
7. Delhi . . . . .	..	..	2,47,35,007	8,30,60,505
8. Bihar, Assam and Ajmer-Merwara . . . . .	..	..	98,32,257	3,29,34,854
<b>TOTAL . . . . .</b>	<b>2,40,39,403</b>	<b>12,43,76,812</b>	<b>75,49,80,870</b>	<b>3,12,23,03,215</b>

TABLE 18-12 (R).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)

Province	Woven goods other than piece-goods	Hosiery and knitted goods		Threads
		71	72	73
	Lbs.	Lbs.	Dozen	Lbs.
1. West Bengal . . . . .	1,58,311	10,02,479	3,88,510	3,849
2. Bombay . . . . .	84,35,765	5,096	2,548	66,84,707
3. Madras . . . . .	20,94,818	..	..	22,305
4. U. P. . . . .	25,77,541	3,14,420	1,54,302	..
5. East Punjab . . . . .	8,367	34,396	17,198	..
6. C. P. and Berar . . . . .	2,31,743	..	..	78,424
7. Delhi . . . . .	16,66,300	..	..	1,494
8. Bihar, Assam and Ajmer-Merwara . . . . .	5,728	..	..	..
<b>TOTAL . . . . .</b>	<b>1,51,78,573</b>	<b>13,56,391</b>	<b>5,62,558</b>	<b>67,90,779</b>

TABLE 18·12 (S).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(QUANTITY)

Province	Ropes, bandings, tapes, newar, etc.	Cotton waste	Yarn waste	Cloth rags
	75	76	77	78
	Lbs.	Lbs.	Lbs.	Lb
1. West Bengal . . . . .	73,084	36,41,825	7,34,421	5,931
2. Bombay . . . . .	3,68,807	6,72,94,382	2,27,20,095	39,52,703
3. Madras . . . . .	36,582	2,04,84,561	8,38,845	370
4. U. P. . . . .	44,978	74,94,955	40,44,806	1,07,268
5. East Punjab . . . . .	280	6,71,451	2,98,231	..
6. C. P. and Berar . . . . .	16,044	20,78,852	10,82,877	42,250
7. Delhi . . . . .	59,246	42,41,713	11,87,384	1,45,228
8. Bihar, Assam and Ajmer-Merwara . . . . .	..	12,63,849	8,33,179	28,548
TOTAL . . . . .	5,99,021	10,71,71,588	3,17,39,838	42,82,298

TABLE 18·13 (A).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(VALUE)

Province	Yarn		
	Cotton yarn	Yarn made wholly or partly from any other fibre	Total
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	78,68,441	..	78,68,441
2. Bombay . . . . .	13,36,51,158	23,100	13,36,74,258
3. Madras . . . . .	22,65,92,414	..	22,65,92,414
4. U. P. . . . .	25,69,052	4,08,94,846	4,34,63,898
5. East Punjab . . . . .	7,12,290	2,39,001	9,51,291
6. C.P. and Berar . . . . .	2,12,14,261	..	2,12,14,261
7. Delhi . . . . .	41,70,020	249	41,70,269
8. Bihar, Assam and Ajmer-Merwara . . . . .	46,99,243	..	46,99,243
TOTAL . . . . .	40,14,76,879	4,11,57,196	44,26,34,075

TABLE 18·13 (B).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(VALUE)

Province	Woven goods		
	Woven piece-goods, grey		
	Dhoties	Sarees	Chaddars
	5	6	7
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	3,70,39,617	1,67,12,594	1,86,461
2. Bombay . . . . .	12,30,91,310	10,71,22,996	23,32,558
3. Madras . . . . .	26,19,091	2,23,984	24,246
4. U. P. . . . .	4,12,05,901	2,93,43,866	26,06,267
5. East Punjab . . . . .	4,16,259	20,799	4,689
6. C. P. and Berar . . . . .	1,70,93,923	27,71,614	8,83,779
7. Delhi . . . . .	29,48,299	37,53,499	9,33,468
8. Bihar, Assam and Ajmer-Merwara . . . . .	29,06,846	15,77,685	1,60,751
<b>TOTAL</b> . . . . .	<b>22,73,21,246</b>	<b>16,15,27,037</b>	<b>71,32,219</b>

TABLE 18·13 (C).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(VALUE)

Province	Woven goods			
	Woven piece-goods, grey			
	Drills and jeans	Cambrics lawns, mulls and voils	Shirtings and long-cloth	T-cloth, domestic and sheetings
	8	9	10	11
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	15,976	975	65,70,906	1,74,316
2. Bombay . . . . .	3,55,13,749	20,30,642	15,50,97,285	4,24,90,530
3. Madras . . . . .	..	1,34,724	79,59,051	..
4. U. P. . . . .	1,25,544	440	1,81,01,861	93,00,373
5. East Punjab . . . . .	..	..	25,93,468	11,986
6. C. P. and Berar . . . . .	12,46,605	..	18,25,346	9,47,228
7. Delhi . . . . .	31,889	..	21,95,583	53,59,948
8. Bihar, Assam and Ajmer-Merwara . . . . .	4,640	..	5,69,564	2,06,876
<b>TOTAL</b> . . . . .	<b>3,69,38,403</b>	<b>21,66,781</b>	<b>19,49,13,064</b>	<b>5,84,91,257</b>

TABLE 18·13 (D).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(VALUE)

Province	Woven goods		
	Woven piece-poods, grey		
	Tent cloth 12	Khadi, dungari or khaddar 13	Tussore and coatings 14
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	5,45,057	3,68,406	1,434
2. Bombay . . . . .	41,19,059	33,00,910	23,34,206
3. Madras . . . . .	50	92,407	78,496
4. U. P. . . . .	2,36,299	13,75,948	2,24,182
5. East Punjab . . . . .	..	..	23,752
6. C. P. and Berar . . . . .	2,25,341	15,73,898	95,338
7. Delhi . . . . .	11,76,434	6,36,005	1,44,662
8. Bihar, Assam and Ajmer Merwara.	1,17,160	66,45,702	..
<b>TOTAL .</b>	<b>64,19,400</b>	<b>1,39,93,276</b>	<b>29,02,070</b>

TABLE 18·13 (E).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(VALUE)

Province	Woven goods		
	Woven piece-goods, grey		
	Canvas 15	Others 16	Total woven piece-goods, grey 17
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	79,273	22,08,271	6,39,03,286
2. Bombay . . . . .	53,72,509	69,49,194	48,97,54,948
3. Madras . . . . .	26,512	9,63,738	1,21,22,299
4. U. P. . . . .	17,74,611	21,17,818	10,64,13,110
5. East Punjab . . . . .	..	1,718	30,72,671
6. C. P. and Berar . . . . .	..	9,07,305	2,75,70,377
7. Delhi . . . . .	1,49,088	5,82,949	1,79,11,824
8. Bihar, Assam and Ajmer Merwara.	..	68,940	,22,58,164
<b>TOTAL .</b>	<b>74,01,993</b>	<b>1,37,99,933</b>	<b>73,30,06,679</b>

**TABLE 18·13 (F).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(VALUE)**

Province	Woven goods		
	Woven piece-goods, fancy		
	Dhoties	Sarees	Chaddars
	18	19	20
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	92,447	22,75,188	9,148
2. Bombay . . . . .	9,93,46,542	6,36,84,422	68,17,499
3. Madras . . . . .	8,31,643	1,11,778	2,44,658
4. U. P. . . . .	1,52,458	2,44,920	2,90,239
5. East Punjab . . . . .	12,044	6,579	2,709
6. C. P. and Berar . . . . .	6,20,282	1,37,143	11,15,028
7. Delhi . . . . .	19,48,136	30,12,575	26,31,452
8. Bihar, Assam and Ajmer- Merwara } . . . . .	..	..	..
<b>TOTAL . . . . .</b>	<b>10,30,03,552</b>	<b>6,94,72,605</b>	<b>1,11,10,733</b>

**TABLE 18·13(G).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(VALUE)**

Province	Woven goods		
	Woven piece-goods, fancy		
	Drills and jeans	Cambrics, lawns, mulls and voils	Shirtings and long-cloth
	21	22	23
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,625	53,223	42,15,170
2. Bombay . . . . .	6,02,68,429	4,87,31,558	30,64,30,565
3. Madras . . . . .	1,13,94,900	66,63,161	1,85,96,852
4. U. P. . . . .	51,25,114	10,16,191	82,83,402
5. East Punjab . . . . .	16,046	5,212	20,02,565
6. C. P. and Berar . . . . .	11,28,361	18,052	28,64,991
7. Delhi . . . . .	4,96,170	11,98,066	1,23,22,337
8. Bihar, Assam and Ajmer- Merwara } . . . . .	1,28,739	..	44,067
<b>TOTAL . . . . .</b>	<b>7,85,59,384</b>	<b>5,76,85,463</b>	<b>35,47,59,949</b>

**TABLE 18-13 (H).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED DURING THE YEAR (VALUE)**

Province	Woven goods				
	Woven piece-goods, fancy				
	T-cloth domestics and sheetings	Tent cloth	Khadi dungari or Khadar	Tussorees and coatings	Canvas
	24	25	26	27	28
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	4,33,441	..	..	11,852	..
2. Bombay	1,03,96,137	20,63,333	15,78,488	5,03,43,119	42,67,661
3. Madras	12,70,623	..	516	78,50,961	36,75,735
4. U. P.	26,92,054	5,98,990	5,76,372	1,14,302	9,59,576
5. East Punjab	..	..	1,500	1,30,936	..
6. C. P. and Berar	5,88,221	3,71,023	11,66,597	16,49,547	..
7. Delhi	21,58,904	1,55,332	32,04,323	3,59,714	..
8. Bihar, Assam and Ajmer-Merwara.	30,732	..	..	..	..
<b>TOTAL</b>	<b>1,75,70,182</b>	<b>31,88,678</b>	<b>65,27,796</b>	<b>6,04,60,431</b>	<b>89,02,972</b>

**TABLE 18-13 (I).—PRODUCTS AND BY PRODUCTS SOLD AND DELIVERED DURING THE YEAR (VALUE).**

Province	Woven goods		
	Woven piece-goods, fancy		Woven piece-goods, 100% weft or 100% warp, of fibre other than cotton.
	All others	Total woven, piece-goods, fancy	
	29	30	31
	Rs.	Rs.	Rs.
1. West Bengal	2,43,772	73,35,866	7,07,081
2. Bombay	6,24,25,866	71,63,53,619	60,51,918
3. Madras	19,24,396	5,25,65,293	1,62,336
4. U. P.	10,89,333	2,11,42,951	43
5. East Punjab	2,15,753	23,93,344	7,16,680
6. C. P. and Berar	12,90,786	1,09,50,031	30,747
7. Delhi	2,61,355	2,77,48,364	..
8. Bihar, Assam and Ajmer-Merwara.	1,80,522	3,84,060	231
<b>TOTAL</b>	<b>6,76,31,783</b>	<b>83,88,73,528</b>	<b>76,69,636</b>

TABLE 18·13 (J).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(VALUE)

Province	Woven goods				
	Woven piece-goods, prints				
	Sarees	Cambrics, mulls and voils	Shirtings and long cloth	All others	Total woven piece-goods prints
32	33	34	35	36	
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	..	6,86,932	19,23,131	1,05,003	27,15,066
2. Bombay . . . . .	92,31,869	2,66,27,678	3,77,65,829	86,96,452	8,23,21,828
3. Madras . . . . .	..	..	..	2,69,208	2,69,208
4. U. P. . . . .	..	..	23,82,753	51,022	24,33,775
5. East Punjab . . . . .	..	..	..	..	..
6. C. P. and Berar . . . . .	..	40,116	10,34,944	..	10,75,060
7. Delhi . . . . .	..	..	..	..	..
8. Bihar, Assam and Ajmer- Merwara. } . . . . .	..	..	..	..	..
TOTAL . . . . .	92,31,869	2,73,54,726	4,31,06,657	91,21,685	8,88,14,937

TABLE 18·13 (K).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(VALUE)

Province	Total woven piece goods	Woven goods other than piece-goods	Hosiery and knitted goods
	37	38	39
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	7,46,61,299	2,62,307	43,22,983
2. Bombay . . . . .	1,29,44,82,313	1,24,81,339	24,153
3. Madras . . . . .	6,51,19,136	48,40,782	..
4. U. P. . . . .	12,99,89,879	44,92,929	14,88,831
5. East Punjab . . . . .	61,82,695	48,335	1,51,650
6. C. P. and Berar . . . . .	3,96,26,215	4,52,048	..
7. Delhi . . . . .	4,56,60,188	18,55,612	..
8. Bihar, Assam and Ajmer- Merwara } . . . . .	1,26,42,455	10,239	..
TOTAL . . . . .	1,66,83,64,180	2,44,43,591	59,87,617

TABLE 18·13 (L).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED,  
DURING THE YEAR  
(VALUE)

Province	Threads	Ropes, bandings tapes, newars, etc.	Cotton waste
	40	41	42
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	7,467	1,59,263	7,44,303
2. Bombay . . . . .	2,22,49,557	6,40,808	1,78,57,062
3. Madras . . . . .	81,067	45,833	40,95,683
4. U. P. . . . .	..	57,022	6,97,388
5. East Punjab . . . . .	..	2,988	1,26,344
6. C. P. and Berar . . . . .	2,36,942	15,073	3,04,490
7. Delhi . . . . .	5,870	92,061	4,04,547
8. Bihar, Assam and Ajmer- Merwara } . . . . .	..	..	2,21,174
TOTAL . . . . .	2,25,80,903	10,13,048	2,44,50,991

TABLE 18·13 (M).—PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED  
DURING THE YEAR  
(VALUE)

Province	Yarn waste	Cloth rags	All other products and by products*	Total products and by- products [Cols. (37) to 45] 46
	43	44	45	
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,48,863	829	4,36,168	8,86,11,923
2. Bombay . . . . .	77,97,051	17,76,272	5,39,49,023	1,54,49,31,836
3. Madras . . . . .	1,39,998	206	4,07,548	30,13,22,667
4. U. P. . . . .	13,71,824	24,290	70,99,998	18,86,86,059
5. East Punjab . . . . .	79,115	..	2,76,186	78,18,604
6. C. P. and Berar . . . . .	2,96,496	6,441	5,76,119	6,27,28,085
7. Delhi . . . . .	2,15,323	40,615	4,18,080	5,28,62,565
8. Bihar, Assam and Ajmer-Merwara } . . . . .	1,98,567	22,885	5,70,269	1,83,64,832
TOTAL . . . . .	1,02,47,237	18,71,538	6,37,33,391	2,26,53,26,571

\* The corresponding quantities are not shown in Tables 18·11 and 18·12 as all the products are not reported in the same system of units.

TABLE 18·13 (N).—TOTAL EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS SOLD AND DELIVERED DURING THE YEAR

Province	Total value of Products and by-products sold and delivered during the year	Cost of transport of products and by products from factory, commission to selling agents, etc., which are included in previous column.	Total ex-factory value of products and by-products sold and delivered during the year
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	8,86,11,923	..	8,86,11,923
2. Bombay . . . . .	1,54,49,31,836	78,50,741	1,53,70,81,095
3. Madras . . . . .	30,13,22,667	1,10,096	30,12,12,571
4. U. P. . . . .	18,86,86,059	14,48,476	18,72,37,583
5. East Punjab . . . . .	78,18,604	2,958	78,15,646
6. C. P. and Berar . . . . .	6,27,28,085	36,369	6,26,91,716
7. Delhi . . . . .	5,28,62,565	..	5,28,62,565
8. Bihar, Assam and Ajmer-Merwara } . . . . .	1,83,64,832	8,109	1,83,56,723
TOTAL . . . . .	2,26,53,26,571	94,56,749	2,25,58,69,822

TABLE 18·14—EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS AND WORK DONE FOR CUSTOMERS

Province	Products and by-products	Work done for customers	Total
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	8,86,11,923	6,903	8,86,18,826
2. Bombay . . . . .	1,53,70,81,095	52,23,507	1,54,23,04,602
3. Madras . . . . .	30,12,12,571	1,16,870	30,13,29,441
4. U. P. . . . .	18,72,37,583	77,350	18,73,14,933
5. East Punjab . . . . .	78,15,646	99,710	79,15,356
6. C. P. and Berar . . . . .	6,26,91,716	..	6,26,91,716
7. Delhi . . . . .	5,28,62,565	3,364	5,28,65,929
8. Bihar, Assam and Ajmer-Merwara } . . . . .	1,83,56,723	40,297	1,83,97,020
TOTAL . . . . .	2,25,58,69,822	55,68,001	2,26,14,37,823

TABLE 18·15.—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC., CONSUMED AND WORK DONE FOR THE INDUSTRY BY OTHER CONCERNS

Province	Fuels, electricity and lubricants	Raw materials, chemicals etc.	Work done for the industry by other concerns	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	35,61,292	5,00,37,154	463	5,35,98,909
2. Bombay . . . . .	5,69,19,696	76,46,88,534	..	82,16,08,230
3. Madras . . . . .	96,14,761	18,16,51,158	3,99,887	19,16,65,806
4. U. P. . . . .	62,25,160	9,25,75,746	73,405	9,88,74,311
5. East Punjab . . . . .	3,89,236	45,85,357	99,440	50,74,033
6. C. P. and Berar . . . . .	25,65,982	3,73,01,923	1,94,739	4,00,62,644
7. Delhi . . . . .	17,35,792	2,94,71,312	..	3,12,07,104
8. Bihar, Assam and Ajmer-Merwara } . . . . .	9,32,767	1,12,08,839	801	1,21,42,407
TOTAL . . . . .	8,19,44,686	1,17,15,20,023	7,68,735	1,25,42,33,444

TABLE 18·16.—VALUE ADDED BY MANUFACTURE

Province	Ex-factory value of products and work done by the industry for customers	Ex-factory value of fuels, raw materials etc. consumed and work done for the industry by other concerns	Depreciation of fixed assets at the rate allowed for purposes of income-tax	Value of products less cost of materials and fuels, less depreciation [col. (2) - col. (3) - col. (4)].
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	8,86,18,826	5,35,98,909	14,27,903	3,35,92,014
2. Bombay . . . . .	1,54,23,04,602	82,16,08,230	2,56,76,947	69,50,19,425
3. Madras . . . . .	30,13,29,441	19,16,65,806	26,78,652	10,69,84,983
4. U. P. . . . .	18,73,14,933	9,88,74,311	22,23,984	8,62,16,638
5. East Punjab . . . . .	79,15,356	50,74,033	1,48,272	26,93,051
6. C. P. and Berar . . . . .	6,26,91,716	4,00,62,644	15,30,178	2,10,98,894
7. Delhi . . . . .	5,28,65,929	3,12,07,104	4,98,746	2,11,60,079
8. Bihar, Assam and Ajmer-Merwara } . . . . .	1,83,97,020	1,21,42,407	2,85,319	59,69,294
TOTAL . . . . .	2,26,14,37,823	1,25,42,33,444	3,44,70,001	97,27,34,378

## CHAPTER XXII

### 19. WOOLLEN TEXTILES



## 19. WOOLLEN TEXTILES

The industry is mainly located in the provinces of East Punjab, U. P. and Bombay, 41 out of the 43 factories being situated in these 3 provinces. Nearly three-fourths of the factories are situated in East Punjab alone. But the factories in East Punjab seem to be smaller than those in other provinces. The average Productive Capital employed per factory was 2·4 lakhs of rupees in East Punjab, 47 lakhs of rupees in Bombay, and 11·7 lakhs of rupees in the remaining provinces. The average number of persons employed per factory per day was 272 in East Punjab, 1083 in Bombay and 893 in other provinces. The average value added per factory was under 5 lakhs of rupees in East Punjab, 23 lakhs of rupees in Bombay, and 13½ lakhs of rupees in other provinces.

The consolidated figures relate to 70% of the factories in the provinces of the Indian Union.

The Productive Capital employed in the industry was about 4 crores of rupees, nearly three-fourths of which was Working Capital. The industry employed over 16,000 persons, most of whom were directly employed by factories. About 6% of the workers were women.

The chief raw material was raw wool. The value of wool consumed was over 2½ crores of rupees. Wool accounted for 85% of the value of materials consumed. The main products were woollen cloth and yarn, knitting wool, lohis and shawls, rugs and blankets, and hosiery.

The value added by manufacture was over 3 crores of rupees or 10 lakhs of rupees per factory, Rs. 1,837 per person employed, and 14 annas per manhour. Employees received 42% of the value added as salaries, wages and other benefits. The average amount received by a worker as wages and other benefits was Rs. 2/5/- per day.



TABLE 19·1—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns)
		Number	% per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal .	..	..	..	..	..
2. Bombay .	6	6	100	..	264
3. Madras .	1	1	100	..	303
4. U. P. .	5	4	80	..	291
5. Bihar .	1	1	100	..	308
6. East Punjab .	30	18	60	..	287
7. C.P. & Berar	..	..	..	..	..
8. Delhi .	..	..	..	..	..
9. Orissa .	..	..	..	..	..
10. Assam .	..	..	..	..	..
11. Ajmer- Merwara .	..	..	..	..	..
TOTAL .	43	30	69·8	..	291

TABLE 19·2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province	Fixed capital			
	Land and buildings	Plant and machinery	Other fixed assets	Total
	2	3	4	5
1				
	Rs.	Rs.	Rs.	Rs.
1. Bombay . . . . .	35,36,451	26,50,685	44,112	62,31,248
2. East Punjab . . . . .	7,19,359	9,35,428	71,534	17,26,321
3. Madras, U. P. and Bihar	6,36,623	14,39,519	27,969	21,04,111
TOTAL . . . . .	48,92,433	50,25,632	1,43,615	1,00,61,680

TABLE 19·2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital			Total productive capital employed *	Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels	Stock of products and by-products	Total*		
	6	7	8		
	Rs.	Rs.	Rs.	Rs.	Rs.
1. Bombay	1,02,90,169	1,15,52,551	2,18,42,720	2,80,73,968	63,137
2. East Punjab	18,73,532	7,41,774	26,15,306	43,41,627	14,854
3. Madras, U. P. and Bihar	38,72,673	10,26,145	48,98,818	70,02,929	37,481
TOTAL . . . . .	1,60,36,374	1,33,20,470	2,93,56,844	3,94,18,524	1,15,472

\*Cash in hand and at banks and value of semi-finished products and materials in process have been excluded, as reliable estimates of these are not available.

TABLE 19·3 (A).—AVERAGE NUMBER OF PERSONS EMPLOYED

Province  1	Average number of workers employed per days: directly by factories			
	Men	Women	Children	Total
	2	3	4	5
1. Bombay . . . . .	5,503	719	..	6,222
2. East Punjab . . . . .	4,316	152	24	4,492
3. Madras, U. P. and Bihar . . . . .	4,753	63	..	4,816
TOTAL . . . . .	14,572	934	24	15,530

TABLE 19·3 (B).—AVERAGE NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contractors				Number of persons other than workers	Total number of persons employed
	Men	Women	Children	Total		
	6	7	8	9		
	10	11				
1. Bombay . . . . .	..	..	..	..	276	6,498
2. East Punjab . . . . .	103	25	..	128	271	4,891
3. Madras, U. P. and Bihar . . . . .	} ..	..	..	..	545	5,361
TOTAL . . . . .	103	25	..	128	1,092	16,750

TABLE 19·4 (A).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province 1	Number of man-hours worked directly for factory			
	Men 2	Women 3	Children 4	Total 5
1. Bombay .	94,90,030	11,85,789	..	1,06,75,819
2. East Punjab .	1,07,81,986	3,29,747	32,086	1,11,43,819
3. Madras, U. P. and Bihar } }	1,13,33,196	1,06,590	..	1,14,39,786
TOTAL	3,16,05,212	16,22,126	32,086	3,32,59,424

TABLE 19·4 (B).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked 10
	Men 6	Women 7	Children 8	Total 9	
1. Bombay .	..	..	..	..	1,06,75,819
2. East Punjab	3,23,496	62,000	..	3,85,496	1,1,29,315
3. Madras, U. P. and Bihar } }	..	..	..	..	1,14,39,786
TOTAL	3,23,496	62,000	..	3,85,496	3,36,44,920

TABLE 19.5 (A).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers							
	Directly by factory				Through Contractors			
	Men	Women	Children	Total	Men	Women	Children	Total
1	2	3	4	5	6	7	8	9
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Bombay	43,04,587	4,46,151	..	47,50,738	..	..	..	..
2. East Punjab	25,55,461	78,142	4,602	26,38,205	55,081	11,404	..	66,485
3. Madras, U.P. and Bihar	26,37,092	24,491	..	26,61,583	..	..	..	..
TOTAL	94,97,140	5,48,784	4,602	1,00,50,526	55,081	11,404	..	66,485

TABLE 19.5 (B).—SALARIES AND WAGES PAID

Province	Total salaries and wages paid		Money value of other benefits or privileges	Total salaries, wages, etc.
	Workers	Persons other than workers		
	10	11	12	13
	Rs.	Rs.	Rs.	Rs.
1. Bombay	47,50,738	7,04,908	1,029	54,56,675
2. East Punjab	27,04,690	5,72,673	3,03,012	35,80,375
3. Madras, U.P. and Bihar	26,61,583	10,33,871	3,46,239	40,41,693
TOTAL	1,01,17,011	23,11,452	6,50,280	1,30,78,743

TABLE 19·6 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province 1	Coal 2	Coke 3	Charcoal 4	Firewood 5	Fuel oils 6
	Tons	Tons	Mds.	Mds.	Gallons
1. Bombay .	1,233	..	371	8,752	12,01,782
2. East Punjab .	21,935	18	600	10,212	6,188
3. Madras, U. P. and Bihar	} 12,819	..	..	277	1,560
TOTAL	35,987	18	971	19,241	12,09,530

TABLE 19·6 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal gas 7	Electricity 8	Water 9	Lubricants	
				Oils 10	Others 11
	1,000 Cub. ft	K.W.H.	1,000 Gallons	Gallons	Cwt.
1. Bombay .	..	69,43,677	1,35,017	7,442	3
2. East Punjab .	..	5,40,147	20	15,152	19
3. Madras, U. P. and Bihar	} ..	5,92,858	56,480	12,591	100
TOTAL	..	80,76,682	1,91,517	35,185	122

TABLE 19.7 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel oils	Coalgas
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Bombay .	52,286	..	1,662	12,862	2,88,833	..
2. East Punjab .	6,32,513	835	1,500	24,600	4,636	..
3. Madras, U.P. and Bihar } }	2,97,585	..	..	281	888	..
<b>TOTAL</b> .	<b>9,82,384</b>	<b>835</b>	<b>3,162</b>	<b>37,743</b>	<b>2,94,357</b>	<b>..</b>

TABLE 19.7 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Other fuels	Electricity	Water	Lubricants		Total fuel, etc., consumed
				Oils	Others	
				8	9	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Bombay .	..	1,96,655	2,15,033	20,718	227	7,88,276
2. East Punjab .	9,382	54,371	20	65,437	1,492	7,94,786
3. Madras, U. P. and Bihar } }	5,173	48,836	26,578	36,371	5,881	4,21,598
<b>TOTAL</b>	<b>14,555</b>	<b>2,99,862</b>	<b>2,41,631</b>	<b>1,22,526</b>	<b>7,600</b>	<b>20,04,655</b>

TABLE 19.8 (A).—MATERIALS CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province 1	Basic materials			
	Wool raw	Scoured wool	Wool tops	Worsted yarn
	2	3	4	5
	Lbs.	Lbs.	Lbs.	Lbs.
1. Bombay	23,42,221	8,66,778	24,92,837	..
2. East Punjab	54,71,351	3,96,375	2,36,035	5,85,061
3. Madras, U. P. and Bihar	61,43,332	3,34,813	3,96,493	97,079
<b>TOTAL</b>	<b>1,39,56,904</b>	<b>15,97,966</b>	<b>31,25,365</b>	<b>6,82,140</b>

TABLE 19.8 (B).—MATERIALS CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province	Chemicals and auxiliary materials			
	Soda Ash	Sulphuric Acid	Dyes	Oils
	6	7	8	9
	Lbs.	Lbs.	Lbs.	Lbs.
1. Bombay	1,88,584	32,690	76,055	3,05,414
2. East Punjab	2,12,255	1,21,166	50,045	5,55,196
3. Madras, U.P. and Bihar	3,83,717	1,04,895	1,01,164	4,22,226
<b>TOTAL</b>	<b>7,84,556</b>	<b>2,58,751</b>	<b>2,27,264</b>	<b>12,82,836</b>

TABLE 19.9 (A).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Basic materials					Total basic materials
	Wool raw	Scoured wool	Wool tops	Worsted yarn	Other basic materials*	
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Bombay.	21,71,677	11,26,003	69,18,793	..	1,01,147	1,03,17,620
2. East Punjab	47,53,815	7,90,904	7,74,730	33,36,411	6,82,613	1,03,38,473
3. Madras, U. P. and Bihar	65,66,131	8,67,729	12,01,312	4,54,224	.	90,89,396
TOTAL	1,34,91,623	27,84,636	88,94,835	37,90,635	7,83,760	2,97,45,489

\*The corresponding quantity is not shown in Table 19.8 as all the materials are not reported in the same system of units.

TABLE 19.9 (B).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Chemicals and auxiliary materials					
	Soda Ash	Sulphuric Acid	Dyes	Oils	Other chemicals and auxiliary materials*	Total chemicals and auxiliary materials
	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Bombay . .	15,758	6,132	3,91,291	1,67,888	3,15,381	8,96,456
2. East Punjab .	26,412	18,895	3,31,437	4,27,718	2,93,143	10,97,605
3. Madras, U. P. and Bihar	39,709	10,210	5,97,486	2,74,093	3,83,218	13,04,716
TOTAL . .	81,879	35,237	13,20,214	8,69,699	9,91,742	32,98,571

\*The corresponding quantity is not shown in Table 19.8 as all these chemicals and auxiliary materials are not reported in the same system of units.

TABLE 19·9 (C).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Packing materials	All other materials	Total materials consumed
	14	15,	16
	Rs.	Rs.	Rs.
1. Bombay . . . . .	2,03,919	9,36,867	1,23,54,856
2. East Punjab . . . . .	1,11,292	7,74,183	1,23,21,553
3. Madras, U.P. and Bihar . . . . .	1,43,706	6,22,114	1,11,59,932
<b>TOTAL</b> . . . . .	4,58,917	23,33,164	3,58,36,341

TABLE 19. 9 D.—TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED

Province	Total value of materials consumed	Cost of transport of materials to factory, commission to purchasing agents, etc., which are not included in previous column.	Total ex-factory value of materials consumed
1	2	3	4
	Rs.	Rs.	Rs.
1. Bombay . . . . .	1,23,54,856	..	1,23,54,856
2. East Punjab . . . . .	1,23,21,553	1,728	1,23,23,281
3. Madras, U. P. and Bihar . . . . .	1,11,59,932	..	1,11,59,932
<b>TOTAL</b> . . . . .	3,58,36,341	1,728	3,58,38,069



# PRODUCTION OF WOOLLEN CLOTH

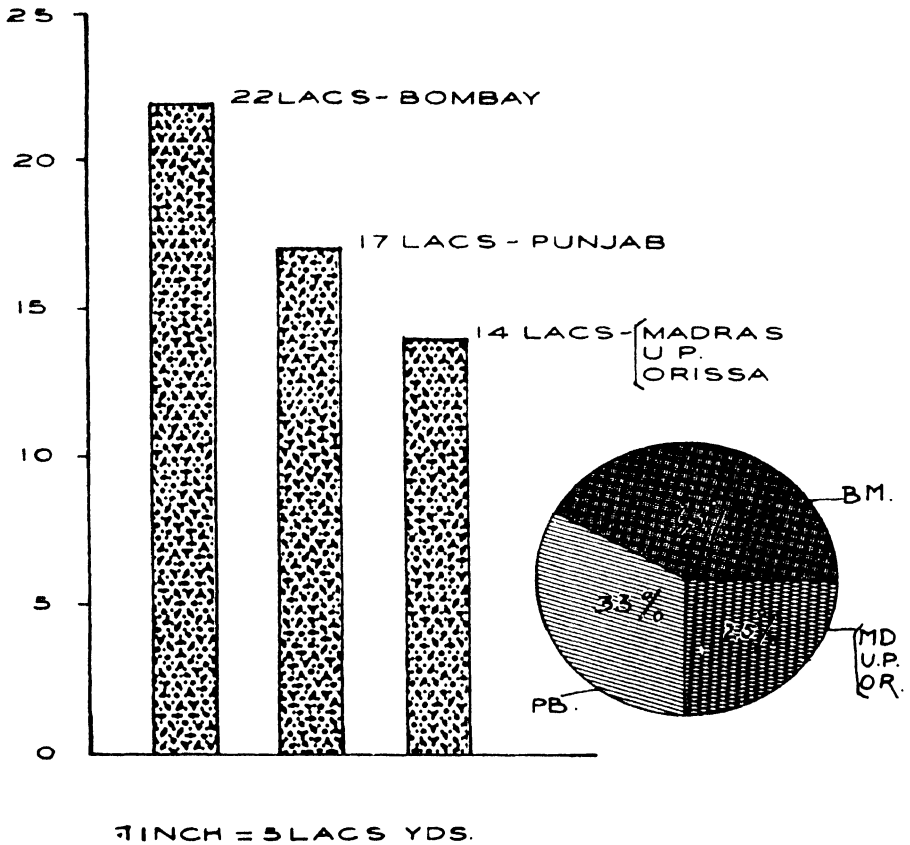


TABLE 19.10 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Yarn				Woven materials	
	Woollen yarn	Knitting wool	Worsted yarn for weaving	Worsted yarn for hosiery manufacture	Suitings	Tweeds
	1	2	3	4	5	6
	Lbs.	Lbs.	Lbs.	Lbs.	Yards	Yards
1. Bombay	1,05,285	5,46,833	5,41,260	2,28,111	8,54,123	1,84,921
2. East Punjab	14,07,730	1,16,550	986	..	3,99,883	1,86,731
3. Madras, U. P. and Bihar	7,62,712	2,50,176	..	..	6,65,722	36,952
TOTAL	22,75,727	9,13,559	5,42,246	2,28,111	19,19,728	4,08,604

TABLE 19.10 (B).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Woven materials					
	Broad cloths and twills	Blazer cloth	Woollen flannels	Overcoating	Serges	Gaberdi-nes
	8	9	10	11	12	13
	Yards	Yards	Yards	Yards	Yards	Yards
1. Bombay	..	123	5,36,744	34,798	5,77,849	..
2. East Punjab	1,67,590	73,981	3,79,603	3,48,507	1,72,715	5,440
3. Madras, U. P. and Bihar	2,58,395	49,338	52,319	64,774	2,32,217	2,705
TOTAL	4,25,985	1,23,442	9,68,666	4,48,079	9,82,781	8,145

TABLE 19·10 (C).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products, used in the factory are excluded)

Province	Woven materials				
	Mechanical cloths-rol- ler cloth, cleaner cloth and sizing flannel	Lohis and shawls	Shawl cloth and ruffle cloth	R igs(t ra- velling) and blankets	Other woven materials
	14	15	16	17	18.
	Yards	No.	Yards	No.	Lbs.
1. Bombay . . . . .	18,053	5,18,017	..	3,30,380	2,86,853
2. East Punjab . . . . .	..	2,25,719	57,308	2,52,286	2,798
3. Madras, U.P. and Bihar . . . . .	491	2,39,020	768	3,53,008	2,43,490
TOTAL . . . . .	18,544	9,82,756	58,076	9,35,674	5,33,141

TABLE 19·10 (D).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Hosiery and knitted goods			By-pro- ducts
	Socks, stockings, and hose	Jerseys, pullovers, sweaters, cardigans, slipovers	Comforters, mufflers and scarves	Wool waste
	19	20	21	22
	Pair	No	No.	Lbs.
1. Bombay . . . . .	4,00,398	15,969	3,01,315	1,42,196
2. East Punjab . . . . .	3,42,343	1,41,660	83,576	..
3. Madras, U. P. and Bihar . . . . .	4,44,849	5,50,157	3,66,266	49,799
TOTAL . . . . .	11,87,590	7,07,786	7,51,157	1,91,995

TABLE 19·11 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Yarns					Total yarn
	Woollen yarn	Knitting wool	Worsted yarn for weaving	Worsted yarn for hosiery manufacture	Other yarns	
	1	2	3	4	5	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Bombay	3,04,888	28,90,847	21,29,200	11,07,538	..	64,32,473
2. East Punjab	26,43,275	5,14,695	4,042	.	..	31,62,012
3. Madras, U. P. and Bihar	11,01,947	10,00,999	.	..	1,38,887	22,41,833
TOTAL	40,50,110	44,06,541	21,33,242	11,07,538	1,38,887	1,18,36,318

TABLE 19·11 (B) PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Woven materials				
	Suitings	Tweeds	Broad cloths and twills	Blazer cloth	Woollen flannel
	8	9	10	11	12
	Rs.	Rs.	Rs.	Rs.	Rs.
1. Bombay	45,03,833	9,24,799	.	738	14,11,098
2. East Punjab	14,68,979	13,12,287	10,49,581	4,32,744	18,12,303
3. Madras, U.P. and Bihar.	24,35,451	2,01,484	11,13,919	2,24,884	2,23,153
TOTAL	84,08,263	24,38,570	21,63,500	6,58,366	34,47,454

TABLE 19'11 (C).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Woven materials					
	Over-coating	Serges	Gaber-dines	Mechanical cloth-roller cloth etc.	Lohis and shawls	Shawl cloth and ruffle cloth
	13	14	15	16	17	18
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Bombay	2,44,673	33,07,309	..	1,17,584	38,02,720	..
2. East Punjab	16,68,305	10,18,347	1,08,800	..	23,52,790	4,71,395
3. Madras, U.P. and Bihar	3,45,413	13,37,597	19,577	2,148	17,98,825	2,448
TOTAL	22,58,391	56,63,253	1,28,377	1,19,732	79,54,335	4,73,848

TABLE 19'11 (D).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Woven materials			Hostery and knitted goods		
	Rugs (traveling) and blankets	Other woven articles	Total woven materials	Socks, stockings, and hose	Jerseys, pullovers, sweaters, cardigans and slip-overs	Comforters, mufflers and scarves
	19	20	21	22	23	24
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Bombay	43,53,544	6,71,031	1,93,38,229	7,88,280	1,02,281	6,79,923
2. East Punjab	29,36,741	28,811	1,46,61,083	3,69,866	5,30,500	1,67,052
3. Madras, U.P. and Bihar	2,10,161	14,09,500	1,33,24,650	6,12,279	23,04,916	7,47,279
TOTAL	15,00,446	21,09,432	4,73,23,962	17,70,425	29,37,697	15,94,254

TABLE 19·11 (E).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Hosiery and knitted goods		Other product*	By-Products			
	Other hosiery and knitted goods	Total hosiery and knitted goods		Wool waste	All other by-products*	Total by products	Total products and by-products
	25	26	27	28	29	30	31
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Bombay . . . . .	5,586	15,76,070	..	63,210	.	63,210	2,74,09,982
2. East Punjab . . . . .	.	10,67,418	18,33,708	.	11,05,653	11,05,653	2,18,29,874
3. Madras, U.P. and Bihar . . . . .	6,01,524	42,65,998	62,553	12,153	.	12,153	1,99,07,187
<b>TOTAL</b> . . . . .	<b>6,07,110</b>	<b>69,09,486</b>	<b>18,96,261</b>	<b>75,363</b>	<b>11,05,653</b>	<b>11,81,016</b>	<b>6,91,47,643</b>

\*The corresponding quantity is not shown in Table 19·10 as all these products and by-products are not reported in the same system of units.

TABLE 19·11 (F).—TOTAL EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS

Province	Total Value of products and by-products	Cost of transport of products from factory, commission to selling agents, etc., which are included in previous column	Total ex-factory value of products and by-products
1	2	3	4
	Rs.	Rs.	Rs.
1. Bombay . . . . .	2,74,09,982	.	2,74,09,982
2. East Punjab . . . . .	2,18,29,874	13,700	2,18,16,174
3. Madras, U. P. and Bihar . . . . .	1,99,07,187	4,970	1,99,02,217
<b>TOTAL</b> . . . . .	<b>6,91,47,043</b>	<b>18,670</b>	<b>6,91,28,373</b>

TABLE 19·12.—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC., CONSUMED AND WORK DONE FOR THE INDUSTRY BY OTHER CONCERNS

Province	Fuels, electricity and lubricants	Raw materials chemicals, etc.	Work done for the industry by other concerns	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. Bombay . . . . .	7,88,276	1,23,54,856	3,056	1,31,46,188
2. East Punjab . . . . .	7,94,786	1,23,23,281	8,39,716	1,39,57,783
3. Madras, U.P. and Bihar . . . . .	4,21,593	1,11,59,932	37,294	1,16,18,819
TOTAL . . . . .	20,04,655	3,58,38,069	8,80,066	3,87,22,790

TABLE 19·13.—EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS AND WORK DONE BY THE INDUSTRY FOR CUSTOMERS

Province	Products and by-products	Work done for customers	Total
1	2	3	4
	Rs.	Rs.	Rs.
1. Bombay . . . . .	2,74,09,982	1,40,640	2,75,50,622
2. East Punjab . . . . .	2,18,16,174	8,82,132	2,26,98,306
3. Madras, U. P. and Bihar . . . . .	1,99,02,217	32,041	1,99,34,258
TOTAL . . . . .	6,91,28,373	10,54,813	7,01,83,186

TABLE 9-14.—VALUE ADDED BY MANUFACTURE

Province	Ex-factory value of products and work done by the industry for customers	Ex-factory value of fuels, raw materials, etc. consumed and work done for the industry by other concerns	Depreciation of fixed assets at the rate allowed for purposes of income-tax	Value of products less cost of materials and fuels less depreciation [col. (2)—col. (3)—col. (4)]
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. Bombay . . .	2,75,50,622	1,31,46,188	3,65,017	1,40,39,417
2. East. Punjab . .	2,26,98,306	1,39,57,783	1,05,740	86,34,783
3. Madras, U.P. and Bihar . . .	1,99,34,258	1,16,18,819	1,34,286	81,81,153
<b>TOTAL . . .</b>	<b>7,01,83,186</b>	<b>3,87,22,790</b>	<b>6,05,043</b>	<b>3,08,55,353</b>



## CHAPTER XXIII

### 20. JUTE TEXTILES



## 20. JUTE TEXTILES

The jute industry is located almost entirely in West Bengal. Nearly 90% of the jute mills in India and over 90% of the capital and labour employed in them are in this one province. The consolidated figures relate to 95% of the factories.

The productive capital employed is over 50 crores of rupees, of which about 40% was fixed capital and the balance working capital. The working capital was employed in maintaining stocks of raw jute and its products. The industry held stocks of jute of the value of 22 crores of rupees, at the end of the year. These stocks accounted for 44% of the total productive capital of the industry.

The industry employed over 3 lakhs of persons, most of whom were directly employed by factories. About 14% of the workers were women.

The chief raw material of the industry was raw jute, the value of raw jute consumed being over 40 crores of rupees. The importance of the industry to the agricultural economy of West Bengal is thus obvious. Raw jute accounted for 85% of the industry expenditure on materials and half the value of its gross output. The major products were hessian cloth and sacking bags.

The value added by manufacture was about 37 crores of rupees, or 41 lakhs of rupees per factory, Rs. 1,156/- per person employed, and annas -/8/- per man-hour. Employees received 43% of the value added as salaries, wages and other benefits. The average amount received per day by a worker as wages and other benefits was Rs. 1/14/-.



TABLE 20-1.—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns)
		Number	% per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal	85	83	97·6	1	264
2. Bombay .	..	..	..	..	..
3. Madras .	4	3	75·0	..	277
4. U P. .	3	3	100·0	..	289
5. Bihar .	3	1	33·3	..	221
6. East Punjab	..	..	..	..	..
7. C. P. and Berar.	..	..	..	..	..
8. Delhi .	..	..	..	..	..
9. Orissa .	..	..	..	..	..
10. Assam .	..	..	..	..	..
11. Ajmer-Merwara .	} ..	..	..	..	..
TOTAL .	95	90	94·7	1	265

TABLE 20·2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province	Fixed capital			
	Land and buildings	Plant and machinery	Other fixed assets	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal.	10,87,90,230	7,52,81,635	46,80,471	18,87,52,336
2. Madras, U P. and Bihar	37,34,988	69,47,963	4,23,461	1,11,06,412
<b>TOTAL.</b>	<b>11,25,25,218</b>	<b>8,22,29,598</b>	<b>51,03,932</b>	<b>19,98,58,748</b>

TABLE 20·2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital			Total productive capital employed*	Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels	Stock of products and by-products	Total*		
	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal.	20,54,84,367	7,34,68,207	27,89,52,574	46,77,04,910	1,71,438
Madras, U.P. and Bihar.	1,88,11,681	29,49,285	2,17,60,966	3,28,67,378	412
<b>TOTAL</b>	<b>22,42,96,048</b>	<b>7,64,17,492</b>	<b>39,07,13,540</b>	<b>50,05,72,288</b>	<b>1,71,850</b>

\*Cash in hand and at banks and value of semi-finished products and materials in process have been excluded, as reliable estimates of these are not available.

TABLE 20.3 (A).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day directly by factory			
	Men	Women	Children	Total
	2	3	4	5
1. West Bengal	2,46,732	41,022	410	2,88,164
2. Madras, U.P. and Bihar.	13,144	1,428	31	14,603
<b>TOTAL</b>	<b>2,59,876</b>	<b>42,450</b>	<b>441</b>	<b>3,02,767</b>

TABLE 20.3 (B).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contractors				Number of persons other than workers	Total number of persons employed
	Men	Women	Children	Total		
	6	7	8	9		
1. West Bengal	4,935	113	..	5,048	10,686	3,03,898
2. Madras, U.P. and Bihar.	348	9	..	357	992	15,952
<b>TOTAL</b>	<b>5,283</b>	<b>122</b>	<b>..</b>	<b>5,405</b>	<b>11,678</b>	<b>3,19,850</b>

TABLE 20·4 (A).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked directly for factory			
	Men	Women	Children	Total
	2	3	4	5
1. West Bengal	59,97,47,998	9,94,88,345	7,15,964	69,99,52,307
2. Madras, U. P. and Bihar.	3,13,63,299	34,84,077	80,228	3,49,27,604
<b>TOTAL</b>	<b>63,11,11,297</b>	<b>10,29,72,422</b>	<b>7,96,192</b>	<b>73,48,79,911</b>

TABLE 20·4 (B).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked
	Men	Women	Children	Total	
	6	7	8	9	
1. West Bengal.	1,21,80,822	2,91,605	..	1,24,72,427	71,24,24,734
2. Madras, U.P. and Bihar.	8,28,206	21,332	..	8,49,538	3,57,77,142
<b>TOTAL</b>	<b>1,30,09,028</b>	<b>3,12,937</b>	<b>..</b>	<b>1,33,21,965</b>	<b>74,82,01,876</b>

TABLE 20·5 (A).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers			
	Directly by factory			
	Men	Women	Children	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal	10,63,99,454	1,21,53,084	1,11,183	11,86,63,721
2. Madras, U. P. and Bihar.	53,40,887	2,91,892	12,865	56,45,644
TOTAL . . .	11,17,40,341	1,24,44,976	1,24,048	12,43,09,365

TABLE 20·5 (B).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers			
	Through contractors			
	Men	Women	Children	Total
	6	7	8	9
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . .	23,24,781	39,741	..	23,64,522
2. Madras, U. P. and Bihar.	1,16,127	1,684	..	1,17,811
TOTAL . . .	24,40,908	41,425	..	24,82,333

TABLE 20·5 (C).—SALARIES AND WAGES PAID

Province	Total salaries and wages paid		Money value of other benefits or privileges	Total salaries, wages, etc.
	Workers	Persons other than workers		
	10	11		
	Rs.	Rs.	Rs.	Rs.
1. West Bengal	12,10,28,243	1,47,53,303	1,69,64,076	15,27,45,622
2. Madras, U. P. and Bihar.	57,63,455	15,81,390	5,89,859	79,34,704
<b>TOTAL</b>	12,67,91,698	1,63,34,693	1,75,53,935	16,06,80,326

TABLE 20·6 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED (QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel oils	Coal gas
1	2	3	4	5	6	7
	Tons	Tons	Mds	Mds.	Gallons	1,000 Cub. ft.
1. West Bengal.	5,20,129	2,955	1,26,675	7,72,179	53,506	13,697
2. Madras, U. P. and Bihar.	21,066	120	..	4,09,720	560	..
<b>TOTAL</b>	5,41,195	3,075	1,26,675	11,81,899	54,066	13,697

TABLE 20·6 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Electricity 8	Water 9	Lubricants	
			Oils 10	Others 11
	K.W.H.	1,000 Gallons	Gallons	Cwt.
1. West Bengal	18,70,28,820	30,260	8,40,138	1,501
2. Madras, U.P. and Bihar.	} 72,44,944	16,751	50,772	1,813
TOTAL	19,42,73,764	47,011	8,90,910	3,314

TABLE 20·7 (A) —FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel oils	Coal gas
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	1,14,32,580	85,560	1,71,068	9,71,662	21,858	23,610
2. Madras, U.P. and Bihar.	} 6,58,471	4,553	..	2,93,335	168	..
TOTAL	1,20,91,051	90,113	1,71,068	12,64,997	22,026	23,610

TABLE 20·7 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Other fuels 8	Electricity 9	Water 10	Lubricants		Total fuels, etc., consumed 13
				Oils 11	Others 12	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	13,837	66,12,841	15,130	20,83,897	1,26,555	2,15,58,598
2. Madras, U.P. and Bihar. }	..	2,68,904	7,183	1,35,625	91,738	14,59,977
TOTAL .	13,837	68,81,745	22,313	22,19,522	2,18,293	2,30,18,575

TABLE 20·8 (A).—MATERIALS PURCHASED AND CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province	Basic materials				
	Jute 2	Jute yarn and twist 3	Cotton selvedge yarn 4	Hessian cloth 5	Sacking cloth 6
	Tons	Tons	Tons	Tons	Tons
1. West Bengal .	10,47,236	1,357	1,443	11,299	17,609
2. Madras, U. P. and Bihar. }	51,031	..	11	..	..
TOTAL .	10,98,267	1,357	1,454	11,299	17,609

TABLE 20·8 (B).—MATERIALS PURCHASED AND CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province	Chemicals and auxiliary materials					
	Starch	Starching syrup	Batching oil	Batching oil emulsifier	Dyes	Cement
	7	8	9	10	11	12
	Cwt.	Cwt.	Gallons	Gallons	Cwt.	Cwt.
1. West Bengal .	72,554	6,611	82,63,337	2,58,309	703	87,988
2. Madras, U. P. and Bihar, }	1,426	91	3,72,754	10,678	18	7,109
TOTAL .	73,980	6,702	86,36,091	2,68,987	721	95,097

TABLE 20·8 (C).—MATERIALS PURCHASED AND CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province	Packing materials			Other materials includ- ing consumable stores	
	Sacking cloth	Hoops, iron	Buckles, pins, etc.	Bobbins	Shuttles
	13	14	15	16	17
	Yards	Tons	Tons	Gross	Gross
1 West Bengal .	25,30,283	7,357	986	2,60,897	672
2. Madras, U. P. and Bihar. }	..	70	2	2,141	28
TOTAL .	25,30,283	7,427	988	2,63,038	700

TABLE 20·9 (A).—MATERIALS PURCHASED AND CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Basic materials			
	Jute	Jute yarn and twist	Cotton selvedge yarn	Hessian cloth
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal	38,89,89,563	7,80,076	36,83,732	33,88,880
2. Madras, U.P. and Bihar.	1,84,72,149	..	22,348	..
TOTAL	40,74,61,712	7,80,076	37,06,080	33,88,880

TABLE 20·9 (B).—MATERIALS PURCHASED AND CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Basic materials		
	Sacking cloth	Other basic materials*	Total basic materials
	6	7	8
	Rs.	Rs.	Rs.
1. West Bengal	1,14,63,394	20,625	40,83 26,270
2. Madras, U.P. and Bihar.	..	..	1,84,94,497
TOTAL	1,14,63,394	20,625	42,68,20,767

\*The corresponding quantity is not shown in Table 20·8 as all the materials are not reported in the same system of units.

TABLE 20·9 (C).—MATERIALS PURCHASED AND CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Chemicals and auxiliary materials			
	Starch	Starching syrup	Batching oil	Batching oil emulsifier
	9	10	11	12
	Rs.	Rs.	Rs.	Rs.
1. West Bengal	26,77,895	2,47,224	74,52,653	10,03,069
2. Madras, U.P. and Bihar.	} 38,101	3,584	4,16,322	34,358
TOTAL	27,15,996	2,50,808	78,68,975	10,37,427

TABLE 20·9 (D).—MATERIALS PURCHASED AND CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Chemicals and auxiliary materials			
	Dyes	Cement	Other chemicals and auxiliary materials*	Total chemicals and auxiliary materials
	13	14	15	16
	Rs.	Rs.	Rs.	Rs.
1. West Bengal	4,87,023	2,95,452	7,86,686	1,29,50,002
2. Madras, U.P. and Bihar.	} 10,799	20,578	9,108	5,32,850
TOTAL	4,97,822	3,16,030	7,95,794	1,34,82,852

\*The corresponding quantity is not shown in Table 20·8 as all these chemicals and auxiliary materials are not reported in the same system of units.

**TABLE 20·9 (E).—MATERIALS PURCHASED AND CONSUMED  
(VALUE)**  
(Materials produced in the factory are excluded)

Province	Packing materials				
	Sacking cloth	Hoops, iron	Buckles, pins, etc.	Other packing materials*	Total packing materials
	17	18	19	20	21
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	3,73,619	48,88,319	5,76,089	92,831	59,30,858
2. Madras, U.P. and Bihar.	..	23,029	1,006	..	24,035
<b>TOTAL</b>	<b>3,73,619</b>	<b>49,11,348</b>	<b>5,77,095</b>	<b>92,831</b>	<b>59,54,893</b>

\* The corresponding quantity is not shown in Table 20·8 as all these materials are not reported in the same system of units.

**TABLE 20·9 (F).—MATERIALS PURCHASED AND CONSUMED  
(VALUE)**  
(Materials produced in the factory are excluded)

Province	Other materials including consumable stores			
	Bobbins	Shuttles	Other wooden stores	Belting
	22	23	24	25
	Rs.	Rs.	Rs.	Rs.
1. West Bengal	49,78,222	4,98,544	21,10,061	16,71,970
2. Madras, U. P. and Bihar.	} 1,52,239	21,187	84,834	59,814
<b>TOTAL</b>	<b>51,30,461</b>	<b>5,19,731</b>	<b>21,94,895</b>	<b>17,31,784</b>

TABLE 20·9 (G).—MATERIALS PURCHASED AND CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Other materials including consumable stores				Total materials consumed
	Other transmission gears	Machine parts	Other materials and consumable stores	Total	
	26	27	28	29	
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	7,44,199	51,63,100	1,48,02,897	2,99,68,993	45,71,76,123
2. Madras, U.P. and Bihar.	57,398	4,38,968	10,37,601	18,52,041	2,09,03,423
TOTAL	8,01,597	56,02,068	1,58,40,498	3,18,21,034	47,80,79,546

TABLE 20·9 (H).—TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED

Province	Total value of materials consumed	Cost of transport of materials to factory, commission to purchasing agents, etc., which have not been included in previous column	Total ex-factory value of materials consumed
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal	45,71,76,123	8,653	45,71,84,776
2. Madras, U.P. and Bihar	2,09,03,423	..	2,09,03,423
TOTAL	47,80,79,546	8,653	47,80,88,199

TABLE 20.10 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Yarn and twist	Canvas (excluding cotton jute canvas)	Gunny Cloth			
			Hessian		Sacking	
			4	5	6	7
1	2	3	4	5	6	7
	Tons	Tons	Tons	Yards	Tons	Yards
1. West Bengal.	21,273	2,499	4,19,223	1,52,71,93,071	33,195	7,38,51,406
2. Madras, U. P. and Bihar.	3,369	39	4,614	1,60,74,416	3,741	1,13,75,162
TOTAL	24,642	2,538	4,23,837	1,54,32,67,487	36,936	8,52,26,568

TABLE 20.10 (B).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Gunny bags				Ropes	Twine
	Hessian		Sacking			
	8	9	10	11		
	Tons	No.	Tons	No.	Tons	Tons
1. West Bengal	36,775	7,94,32,457	4,57,355	49,38,09,690	284	5,773
2. Madras, U. P. and Bihar.	14	15,000	37,725	4,89,42,637	58	40
TOTAL	36,789	7,94,47,457	4,95,080	54,27,52,327	342	5,813

# PRODUCTION OF JUTE TEXTILES

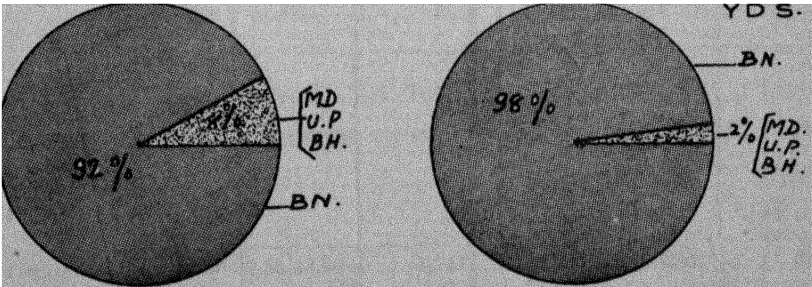
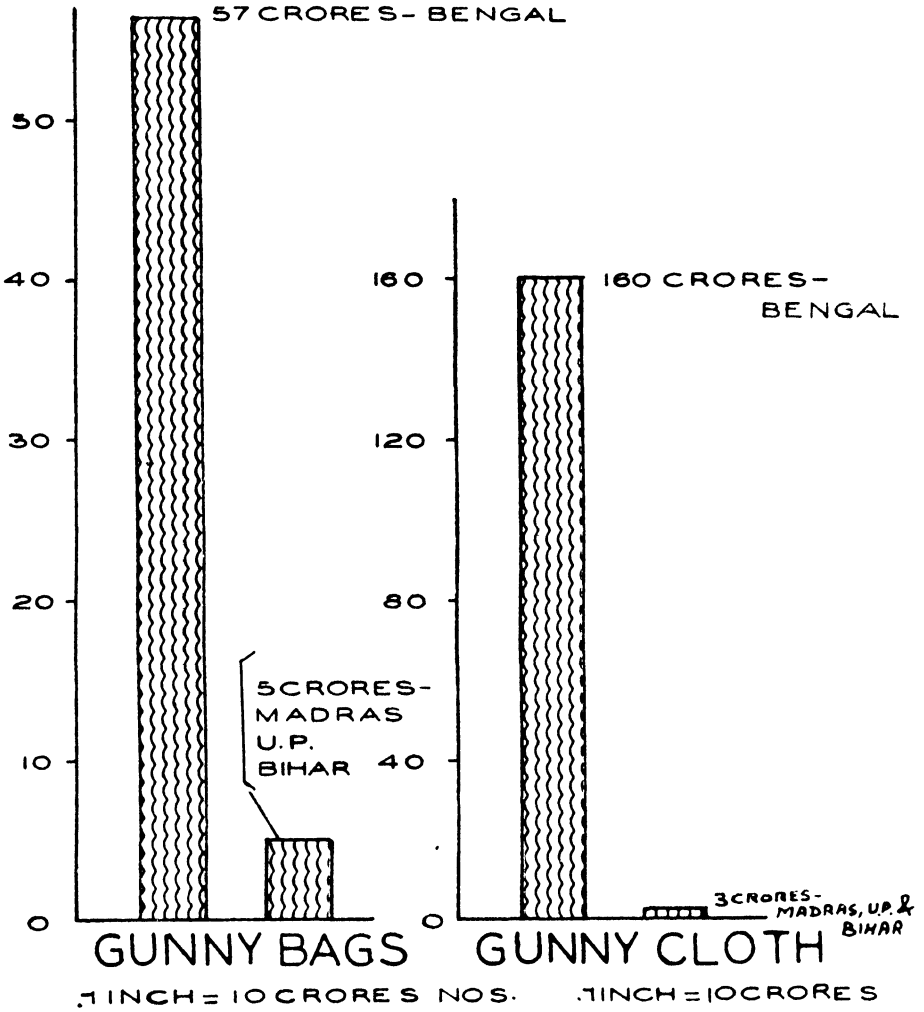




TABLE 20·10 (C).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded)

Province	Jute carpets		Jute blankets		Cotton bagging cloth	
	14	15	16	17	18	19
	Tons	No.	Tons	No.	Tons	Yards
1. West Bengal .	405	1,01,358	78	57,610	2,640	29,56,980
2. Madras, U.P. and Bihar. }	..	..	..	..	..	..
<b>TOTAL</b> .	<b>405</b>	<b>1,01,358</b>	<b>78</b>	<b>57,610</b>	<b>2,640</b>	<b>29,56,980</b>

TABLE 20·10 (D).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded)

Province	Jute webbing		P. B. S.* manufac- tures, all kinds	D. W. tarpaulin		Rope
	20	21		22	23	
	Tons	Yards	Tons	Tons	Yards	Tons
1. West Bengal .	796	1,36,28,000	1,621	2,437	45,91,980	583
2. Madras, U. P. and Bihar. }	..	..	..	..	..	..
<b>TOTAL</b> .	<b>796</b>	<b>1,36,28,000</b>	<b>1,621</b>	<b>2,437</b>	<b>45,91,980</b>	<b>583</b>

\*Prefabricated Bituminized Surfacing/Sacking.

TABLE 20·11 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Yarn and twist	Canvas (excluding cotton jute canvas)	Gunny cloth		Gunny bags—hessian
			Hessian	Sacking	
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	1,35,44,152	31,78,538	49,03,32,010	2,34,00,051	2,52,46,333
2. Madras, U. P. and Bihar.	22,32,190	53,007	47,34,006	54,44,219	13,322
TOTAL	1,57,76,342	32,31,545	49,50,66,016	2,88,44,270	2,52,59,655

TABLE 20·11 (B).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Gunny bags—sacking	Ropes	Twine	Jute carpets	Jute blankets
	7	8	9	10	11
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	28,13,88,681	1,17,061	28,69,726	9,46,358	1,95,727
2. Madras, U. P. and Bihar.	2,31,62,146	32,745	42,115	..	..
TOTAL	30,45,50,827	1,49,806	29,11,841	9,46,358	1,95,727

TABLE 20·11 (C).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products etc. used in the factory are excluded)

Province	Cotton bagging cloth	Webbing	P.B.S.* manufactures all kinds	D.W. tarpaulin	Other	All other products and by-products †	Total products and by-products
	12	13	14	15	16	17	18
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	9,18,560	11,94,708	5,10,534	24,93,051	4,57,072	4,22,802	84,72,15,364
2. Madras, U.P. and Bihar	..	..	..	..	..	2,912	3,57,16,662
TOTAL	9,18,560	11,94,708	5,10,534	24,93,051	4,57,072	, 714	88,29,32,026.

\*Prefabricated Bituminized Surfacing/Sacking.

†The corresponding quantity is not shown in Table 20·10 as all these products and by-products are not reported in the same system of units.

TABLE 20·11 (D).—TOTAL EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS

Province	Total value of products and by-products	Cost of transport of products from the factory, commission to selling agents, etc., which are included in previous column	Total ex-factory value of products and by-products
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal	84,72,15,364	43,680	84,71,71,684
2. Madras, U. P. and Bihar	3,57,16,662	..	3,57,16,662
TOTAL	88,29,32,026	43,680	88,28,88,346

**TABLE 20·12.—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC., CONSUMED AND WORK DONE FOR THE INDUSTRY BY OTHER CONCERNS**

Province	Fuels, elec- tricity and lubricants	Raw mate- rials, chemi- cals, etc.	Work done for the industry by other concern-	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal	2,15,58,598	45,71,84,776	4,51,901	47,91,95,275
Madras, U. P. and Bihar. }	14,59,977	2,09,03,423	..	2,23,63,400
<b>TOTAL</b>	<b>2,30,18,575</b>	<b>47,80,88,199</b>	<b>4,51,901</b>	<b>50,15,58,675</b>

**TABLE 20·13.—EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS AND WORK DONE BY THE INDUSTRY FOR CUSTOMERS**

Province	Products and by-products	Work done for customers	Total
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal	84,71,71,684	1,35,561	84,73,07,245
2. Madras, U. P. and Bihar.	3,57,16,662	..	3,57,16,662
<b>TOTAL</b>	<b>88,28,88,346</b>	<b>1,35,561</b>	<b>88,30,23,907</b>

TABLE 20·14.—VALUE ADDED BY MANUFACTURE

Province	Ex-factory value of products and work done by the industry for customers	Ex-factory value of fuels, raw materials, etc., consumed and work done for the industry by other concerns	Depreciation of fixed assets at the rate allowed for purposes of income-tax	Value of products less cost of materials and fuels less depreciation [col. (2) - col. (3) - col. (4)]
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	84,73,07,245	47,91,95,275	1,09,90,052	35,71,21,918
2. Madras, U. P. and Bihar.	} 3,57,16,662	2,23,63,400	6,98,520	1,26,54,742
TOTAL .	88,30,23,907	50,15,58,675	1,16,88,572	36,97,76,660



## CHAPTER XXIV

### 21. CHEMICALS



## 21. CHEMICALS

The industry is concentrated in the provinces of Bombay and West Bengal, 73% of the factories being located in these provinces. The consolidated figures relate to 87% of the factories.

The total productive capital was nearly 12 crores of rupees, of which nearly 70% was in Bombay and West Bengal. Over half the productive capital was employed as working capital. The industry employed over 25,000 persons. Most of the workers were employed directly by factories, only 3% being employed through contractors. Over 4% of the workers were women. The number of children employed was negligible.

The industry had a large range of products. It also consumed a large variety of materials. The chief materials used were crude sulphur, zinc, lead, ammonium sulphate, coal-tar and vegetable oils. The major products were sulphuric acid, alumina ferric, alums, coal-tar and coal-tar products, snows, hair oils, gases like oxygen, chlorine, carbon-dioxide, coal gas and acetylene, inks, zinc oxide, white lead, soaps, fertilisers and quinine and other drugs and pharmaceuticals.

The value added by manufacture was about 7 crores of rupees, or over 4 lakhs of rupees per factory, 2,760 rupees per person employed, and Rs. 1/7/- per man-hour. Employees received about 30% of the value added as salaries, wages and other benefits. The average amount received per day by a worker as wages and other benefits was Rs. 2/4/-.



TABLE 21.1.—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns)
		Number	% per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal	67	63	94	2	291
2. Bombay .	60	50	83	1	283
3. Madras .	6	5	83	..	276
4. U. P. .	16	13	81	..	267
5. Bihar .	13	12	92	..	348
6. East Punjab	6	3	50	..	278
7. C.P. & Berar	..	..	..	..	..
8. Delhi . .	6	5	83	..	308
9. Orissa . .	..	..	..	..	..
10. Assam . .	..	..	..	..	..
11. Ajmer-Merwara .	..	..	..	..	..
TOTAL .	174	151	87	3	291

TABLE 21·2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province	Fixed capital			
	Land and buildings	Plant and machinery	Other fixed assets	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal	1,18,06,389	97,07,339	25,80,238	2,40,93,966
2. Bombay	65,80,704	68,33,136	63,60,004	1,97,73,844
3. U. P.	14,68,628	14,06,634	6,63,858	35,39,120
4. Bihar	6,46,378	14,84,672	3,36,575	24,67,625
5. Madras, East Punjab and Delhi.	13,96,686	15,98,084	2,85,958	32,80,728
<b>TOTAL</b>	<b>2,18,98,785</b>	<b>2,10,29,865</b>	<b>1,02,26,633</b>	<b>5,31,55,283</b>

TABLE 21·2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital				Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels	Stock of products and by-products	Total*	Total productive capital employed*	
	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	1,44,58,312	1,26,04,065	2,70,62,377	5,11,56,343	2,06,157
2. Bombay	76,94,067	50,48,854	1,27,42,921	3,25,16,765	4,21,324
3. U. P.	1,41,07,203	26,00,847	1,67,08,050	2,02,47,170	28,759
4. Bihar	16,76,708	9,61,195	26,37,903	51,05,528	49,408
5. Madras, East Punjab and Delhi.	37,48,362	31,04,105	68,52,467	1,01,33,195	3,784
<b>TOTAL</b>	<b>4,16,84,652</b>	<b>2,43,19,066</b>	<b>6,60,03,718</b>	<b>11,91,59,001</b>	<b>7,00,432</b>

\* Cash in hand and at banks and value of semi-finished products and materials in process have been excluded, as reliable estimates of these are not available.

TABLE 21·3 (A).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day directly by factory			
	Men	Women	Children	Total
	2	3	4	5
1. West Bengal . . . . .	9,404	207	3	9,614
2. Bombay . . . . .	5,081	477	2	5,560
3. U. P. . . . .	1,861	22	3	1,886
4. Bihar . . . . .	1,449	185	..	1,634
5. Madras, East Punjab and Delhi. } . . . . .	1,517	..	5	1,522
TOTAL . . . . .	19,312	891	13	20,216

TABLE 21·3 (B).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contractors				Number of persons other than workers	Total number of persons employed
	Men	Women	Children	Total		
	6	7	8	9		
1. West Bengal . . . . .	82	..	..	82	1,719	11,415
2. Bombay . . . . .	..	..	..	..	1,234	6,794
3. U. P. . . . .	..	..	..	..	626	2,512
4. Bihar . . . . .	510	176	..	686	210	2,530
5. Madras, East Punjab and Delhi. } . . . . .	10	..	..	10	393	1,925
TOTAL . . . . .	602	176	..	778	4,182	25,176

TABLE 21.4 (A).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province 1	Number of man-hours worked directly for factory			
	Men	Women	Children	Total
	2	3	4	5
1. West Bengal . . . . .	2,14,83,440	4,52,848	6,936	2,19,43,224
2. Bombay . . . . .	1,23,30,464	11,36,998	2,242	1,34,69,704
3. U. P. . . . .	29,65,658	52,096	4,440	30,22,194
4. Bihar . . . . .	41,89,198	5,19,848	..	47,09,046
5. Madras, East Punjab and Delhi. } . . . . .	35,20,808	208	8,188	35,29,204
TOTAL . . . . .	4,44,89,568	21,61,998	21,806	4,66,73,372

TABLE 21.4 (B).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked 10
	Men	Women	Children	Total	
	6	7	8	9	
1. West Bengal . . . . .	..	..	..	2,16,524	2,21,59,748
2. Bombay . . . . .	..	..	..	..	1,34,69,704
3. U. P. . . . .	..	..	..	..	30,22,194
4. Bihar . . . . .	11,75,554	3,96,600	..	15,72,154	62,81,200
5. Madras, East Punjab and Delhi. } . . . . .	32,117	..	..	32,117	35,61,311
TOTAL . . . . .	14,24,195	3,96,600	..	18,20,795	4,84,94,167

TABLE 21.5 (A).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)— workers			
	Directly by factory			
	Men	Women	Children	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	59,72,527	69,742	900	60,43,169
2. Bombay . . . . .	39,98,770	2,98,051	282	42,97,103
3. U. P. . . . .	7,39,817	8,540	1,080	7,49,437
4. Bihar . . . . .	7,73,222	47,167	..	8,20,389
5. Madras, East Punjab and Delhi. } . . . . .	9,21,530	65	1,545	9,23,140
TOTAL . . . . .	1,24,05,866	4,23,565	3,807	1,28,33,238

TABLE 21.5 (B).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)— workers			
	Through contractors			
	Men	Women	Children	Total
	6	7	8	9
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	49,148	..	..	49,148
2. Bombay . . . . .	..	..	..	..
3. U. P. . . . .	..	..	..	..
4. Bihar . . . . .	1,92,606	40,223	..	2,32,834
5. Madras, East Punjab and Delhi. } . . . . .	7,139	..	..	7,139
TOTAL . . . . .	2,48,893	40,223	..	2,89,121

TABLE 21·5 (C).—SALARIES AND WAGES PAID

Province	Total salaries and wages paid		Money value of other benefits or privileges	Total salaries, wages, etc.
	Workers 10	Persons other than workers 11		
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	60,92,317	27,70,375	4,78,078	93,40,770
2. Bombay . . . . .	42,97,103	25,78,720	84,739	69,60,562
3. U. P. . . . .	7,49,437	6,39,385	42,391	14,31,213
4. Bihar . . . . .	10,53,223	3,86,088	1,98,970	16,38,281
5. Madras, East Punjab and Delhi } . . . . .	9,30,279	5,18,975	29,250	14,78,504
TOTAL . . . . .	1,31,22,359	68,93,543	8,33,428	2,08,49,330

TABLE 21·6 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED (QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel oil
1	2	3	4	5	6
	Tons	Tons	Mds.	Mds.	Gallons
1. West Bengal . . . . .	1,32,748	2,864	4,809	1,00,488	64,492
2. Bombay . . . . .	4,439	843	2,595	21,390	22,34,964
3. U. P. . . . .	9,047	94	555	4,021	8,739
4. Bihar . . . . .	14,128	1,459	..	..	160
5. Madras, East Punjab and Delhi } . . . . .	8,438	..	9,018	11,356	10,436
TOTAL . . . . .	1,68,800	5,260	16,977	1,37,255	23,18,791

**TABLE 21·6 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)**

(Fuels, etc., produced in the factory are excluded)

Province	Coal gas	Electricity	Water	Lubricants	
				Oils	Others
				7	8
	1,000 Cub. ft.	K.W.H.	1,000 Gallons	Gallon-	Cwt.
1. West Bengal .	25,834	1,16,37,883	11,549	15,434	244
2. Bombay .	9,705	29,80,496	1,03,654	8,831	30
3. U. P. . . .	..	6,15,353	5,800	1,113	13
4. Bihar . . .	48	28,16,451	1,07,175	8,231	59
5. Madras, East Punjab and Delhi. }	..	5,19,354	2,536	3,449	5
<b>TOTAL</b> . . .	<b>35,587</b>	<b>1,85,69,537</b>	<b>2,30,714</b>	<b>37,058</b>	<b>351</b>

**TABLE 21·7 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)**

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel oils	Coal gas
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	22,67,750	1,14,481	19,912	55,356	20,596	87,879
2. Bombay .	1,52,820	51,026	8,461	38,080	5,59,713	38,657
3. U. P. . . .	2,37,903	4,574	3,034	4,563	14,423	.
4. Bihar . . .	1,88,793	27,060	.	..	185	240
5. Madras, East Punjab and Delhi. }	3,06,920	..	35,769	19,008	12,550	..
<b>TOTAL</b> . . .	<b>31,54,186</b>	<b>1,97,141</b>	<b>67,176</b>	<b>1,17,007</b>	<b>6,07,467</b>	<b>1,26,776</b>

**TABLE 21·7 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED**  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Other fuels	Electricity	Water	Lubricants		Total fuels, etc., consumed
				Oils	Others	
				8	9	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	3,949	5,08,743	6,335	47,900	11,292	31,44,193
2. Bombay .	16,916	1,85,408	79,375	34,454	2,373	11,67,283
3. U. P. .	211	46,179	3,228	4,511	900	3,19,526
4. Bihar .	..	1,46,334	17,634	24,724	3,979	4,08,949
5. Madras, East Punjab and Delhi.	727	49,708	761	21,747	363	4,47,553
<b>TOTAL</b> .	<b>21,803</b>	<b>9,36,372</b>	<b>1,07,333</b>	<b>1,33,336</b>	<b>18,907</b>	<b>54,87,504</b>

**TABLE 21·8 (A).—MATERIALS CONSUMED**  
(QUANTITY)

(Materials, produced in the factory are excluded)

Province	Minerals and metals					
	Bauxite	Sulphur crude	Lead	Zinc & zinc scrap	Other minerals & metals	Total minerals & metals
	1	2	3	4	5	6
	Tons	Tons	Tons	Tons	Tons	Tons
1. West Bengal .	2,339	5,449	2,032	3,304	9,529	22,653
2. Bombay .	760	3,017	180	2	31,136	35,095
3. U. P. .	1,566	1,026	76	..	2,953	5,621
4. Bihar .	661	843	3	..	319	1,821
5. Madras, East Punjab, and Delhi.	1,482	2,913	31	2	3,717	8,145
<b>TOTAL</b> .	<b>6,808</b>	<b>13,248</b>	<b>2,322</b>	<b>3,308</b>	<b>47,654</b>	<b>73,346</b>

TABLE 21·8 (B).—MATERIALS CONSUMED

(QUANTITY)

(Materials produced in the factory are excluded)

Province	Acids				Alcohols		
	Sulphuric acid (in terms of 100% strength)	Acetic acid (glacial)	Other acids	Total acids	Ethyl alcohol industrial (in terms of 95% strength)	Other alcohols	Total alcohols
	8	9	10	11	12	13	14
	Tons	Cwt.	Lbs.	Lbs.	Gallons	Gallons	Gallons
1. West Bengal	419	1,654	4,92,585	16,16,393	15,558	4,404	19,962
2. Bombay	868	145	1,27,219	20,87,779	30,041	256	30,297
3. U. P.	8	43	11,831	34,567	1,634	4,885	6,519
4. Bihar	114		120	2,55,480			
5. Madras, East Punjab and Delhi.	127	14	10,594	2,96,642	16,031	93	16,124
<b>TOTAL</b>	<b>1,536</b>	<b>1,856</b>	<b>6,42,349</b>	<b>42,90,861</b>	<b>63,264</b>	<b>9,638</b>	<b>72,902</b>

TABLE 21·8 (C).—MATERIALS CONSUMED

(QUANTITY)

(Materials produced in the factory are excluded)

Province	Ammonia and ammonium compounds		Calcium compounds		Coal-tar
	Ammonium sulphate	Other ammonium compounds	Calcium carbide	Other calcium compounds	
	15	16	17	18	
	Tons	Cwt.	Cwt.	Cwt.	Tons
1. West Bengal	17,145	8,664	16,526	6,574	5,346
2. Bombay	85	484	11,305	17,753	10
3. U. P.	137	80	1,908	92	
4. Bihar	6	6	1,832	1,757	28,157
5. Madras, East Punjab and Delhi.	4,982	354		213	1
<b>TOTAL</b>	<b>22,355</b>	<b>9,588</b>	<b>31,571</b>	<b>26,349</b>	<b>33,514</b>

TABLE 21·8 (D).—MATERIALS CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province	Oils and fats					Drugs & pharmaceuticals	
	Unrefined vegetable oils	Refined vegetable oils	Stearine	Tallow	Sandal wood oil	Quinine	Emetine
	20	21	22	23	24	25	26
	Cwt.	Cwt.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
1. West Bengal	25,387	2,937	1,66,181	1,85,042	22,342	2,615	227
2. Bombay . . .	6,430	558	224	7,110	77	2,525	40
3. U. P. . . . .	1,166	34	..	298	6	129	1
4. Bihar . . . . .	..	727	..	..	..	..	..
5. Madras, East Punjab and Delhi.	5,465	66	..	12,218	226	1,049	18
TOTAL . . . . .	38,448	4,322	1,66,405	2,04,668	22,651	6,318	286

TABLE 21·8 (E).—MATERIALS CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province	Packing materials				Wooden crates
	Drums	Metal cans	Lead tubes for tooth paste	Glass jars, carboys, bottles and other glass containers	
	27	28	29	30	
	No.	No.	Gross	No.	No.
1. West Bengal . . . . .	1,84,672	7,98,698	6,728	94,03,165	2,64,224
2. Bombay . . . . .	32,516	2,28,72,976	607	60,48,253	93,137
3. U. P. . . . .	526	1,92,578	..	30,81,343	41,798
4. Bihar . . . . .	1,53,713	4,388	..	..	10,705
5. Madras, East Punjab and Delhi.	1,551	2,74,028	..	12,82,449	46,747
TOTAL . . . . .	3,72,978	2,41,42,668	7,335	1,98,15,210	4,56,611

TABLE 21·8 (F).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Packing materials			
	Gunny bags	Paper all kinds	Strawboard and other boards (including cartons)	Hoops, nails and wire lacing
	32	33	34	35
	Tons	Cwt.	Tons	Cwt.
1. West Bengal . . . . .	1,193	9,127	298	1,588
2. Bombay . . . . .	145	312	479	687
3. U. P. . . . .	26	183	119	98
4. Bihar . . . . .	15	20	..	146
5. Madras, East Punjab and Delhi.	274	175	14	418
<b>TOTAL</b> . . . . .	<b>1,653</b>	<b>9,817</b>	<b>910</b>	<b>2,937</b>

TABLE 21·9 (A).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Minerals and metals					
	Bauxite	Sulphur, crude	Lead	Zinc and zinc scrap	Other minerals and metals	Total minerals and metals
	1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	79,389	5,54,825	12,62,340	20,91,700	7,40,327	47,28,581
2. Bombay . . . . .	21,530	5,17,223	1,00,174	1,257	5,16,041	11,56,225
3. U. P. . . . .	35,483	98,953	19,020	..	4,56,908	6,10,364
4. Bihar . . . . .	14,915	1,48,763	948	..	51,620	2,16,246
5. Madras, East Punjab and Delhi	47,855	3,32,010	32,182	1,781	7,36,848	11,50,676
<b>TOTAL</b> . . . . .	<b>1,90,172</b>	<b>16,51,774</b>	<b>14,14,664</b>	<b>20,94,738</b>	<b>25,01,744</b>	<b>78,62,092</b>

TABLE 21·9 (B).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Acids			
	Sulphuric acid (in terms of 100% strength)	Acetic acid (glacial)	Other acids	Total acids
	8	9	10	11
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,10,049	1,43,470	3,00,262	5,53,781
2. Bombay . . . . .	2,01,905	65,283	1,77,336	4,44,524
3. U. P. . . . .	3,991	5,709	6,907	16,607
4. Bihar . . . . .	33,009	..	93	33,102
5. Madras, East Punjab and Delhi . . . . .	36,222	2,372	18,192	56,786
TOTAL . . . . .	3,85,176	2,16,834	5,02,790	11,04,800

TABLE 21·9 (C).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Alcohols		
	Ethyl alcohol, industrial (in terms of 95% strength)	Other alcohols	Total alcohols
	12	13	14
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,51,978	37,951	1,89,929
2. Bombay . . . . .	1,68,436	1,949	1,70,385
3. U. P. . . . .	9,489	7,346	16,835
4. Bihar . . . . .	..	..	..
5. Madras, East Punjab and Delhi . . . . .	40,448	369	40,817
TOTAL . . . . .	3,70,351	47,615	4,17,966

TABLE 21·9 (D).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Aluminium compounds	Alums	Ammonia and Ammonium compounds		Arsenic compounds
			Ammonium sulphate	Other ammonium compounds	
	15	16	17	18	19
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	20,334	120	39,96,842	2,25,206	16,651
2. Bombay . . . . .	8,131	30	21,247	50,055	86
3. U. P. . . . .	..	..	35,811	3,611	16
4. Bihar . . . . .	..	..	1,616	664	..
5. Madras, East Punjab and Delhi	43,622	..	12,61,364	83,343	..
<b>TOTAL</b> . . . . .	72,087	150	53,16,880	3,72,879	16,753

TABLE 21·9 (E).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Barium compounds	Bleaching chemicals	Bromine and bromine compounds	Calcium compounds	
				Calcium carbide	Other calcium compounds
	20	21	22	23	24
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	4,574	15,677	11,091	3,13,264	1,48,616
2. Bombay . . . . .	765	1,668	1,948	2,78,559	78,854
3. U. P. . . . .	..	980	552	51,854	758
4. Bihar . . . . .	..	450	..	43,532	2,790
5. Madras, East Punjab and Delhi.	4,982	..	..	..	1,784
<b>TOTAL</b> . . . . .	10,321	18,775	13,591	6,87,409	2,32,602

TABLE 21·9 (F).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Coal tar and coal tar products				Copper salts
	Carbon	Coal tar	Other coal tar products	Total coal tar products	
	25	26	27	28	
	Rs.	Rs.	Rs.	Rs.	Rs.
1 West Bengal .	28,817	3,89,228	1,44,495	5,33,723	9,624
2. Bombay .	287	1,730	1,49,071	1,50,801	6,513
3. U. P. . . .	1,286	..	7,643	7,643	..
4. Bihar . . .	..	15,45,526	1,25,121	16,70,647	..
5. Madras, East Punjab and Delhi.	..	293	37,839	38,132	..
TOTAL .	30,390	19,36,777	4,64,169	24,00,946	16,137

TABLE 21·9 (G).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Disinfectants and insecticides	Gases	Glycerine	Lead compounds	Magnesium compounds	Manganese compounds
	30	31	32	33	34	35
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	4,379	78,608	3,17,263	38,317	2,10,949	3,313
2. Bombay . .	7,391	52,118	1,02,606	69,106	13,872	852
3. U. P. . . .	..	48,041	7,945	136	773	..
4. Bihar . . .	..	1,420	..	..	..	..
5. Madras, East Punjab and Delhi.	..	284	4,128	784	257	9
TOTAL .	11,770	1,80,471	4,31,942	1,08,343	2,25,851	4,174

TABLE 21·9 (H).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Oils and fats						
	Unrefined vegetable oils	Refined vegetable oils	Stearine	Tallow	Sandal wood oil	Other oils and fats	Total oils and fats
	36	37	38	39	40	41	42
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	19,22,676	2,34,124	1,66,181	1,59,566	4,83,609	6,14,919	35,81,075
2. Bombay	4,50,097	43,380	560	5,333	2,920	68,853	5,71,143
3. U. P.	65,729	2,503	..	330	81	11,405	80,048
4. Bihar	..	34,367	..	..	..	..	34,367
5. Madras, East Punjab and Delhi	3,73,457	4,009	.	8,501	8,155	57,422	4,51,544
<b>TOTAL</b>	28,11,959	3,18,383	1,66,741	1,73,730	4,94,765	7,52,599	47,18,177

TABLE 21·9 (I).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Paints, pigments and colours	Potassium Compounds			
		Potassium nitrate	Potassium iodide	Other potassium compounds	Total potassium compounds
		43	44	45	46
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	5,19,364	84,150	1,13,298	1,15,360	3,12,808
2. Bombay	35,687	1,58,345	5,792	83,645	2,47,782
3. U. P.	1,091	..	1,445	1,837	3,282
4. Bihar	425	7,460	..	..	7,460
5. Madras, East Punjab and Delhi	1,759	57,803	791	5,695	64,289
<b>TOTAL</b>	5,58,326	3,07,758	1,21,326	2,06,537	6,35,621

TABLE 21·9 (J).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Sodium Compounds			
	Caustic soda	Sodium nitrate	Other sodium compounds	Total sodium compounds
	48	49	50	51
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	2,03,952	2,07,363	2,59,876	6,71,191
2. Bombay . . . . .	54,884	80,000	6,04,278	7,39,162
3. U. P. . . . .	4,856	32,324	1,15,650	1,52,830
4. Bihar . . . . .	36,035	14,624	34,479	85,138
5. Madras, East Punjab and Delhi	19,991	1,59,211	1,52,340	3,31,542
TOTAL . . . . .	3,19,718	4,93,522	11,66,623	19,79,863

TABLE 21·9 (K).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Solvents	Starches and starch products
	52	53
	Rs.	Rs.
1. West Bengal . . . . .	1,70,308	2,62,912
2. Bombay . . . . .	60,233	2,45,349
3. U. P. . . . .	17,521	2,590
4. Bihar . . . . .	5,760	..
5. Madras, East Punjab and Delhi . . . . .	1,331	521
TOTAL . . . . .	2,55,153	5,11,372

TABLE 21·9 (L).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Drugs and pharmaceuticals			
	Quinine	Emetine	Other drugs and pharmaceuticals	Total drugs and pharmaceuticals
	54	55	56	57
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,56,906	5,87,921	8,48,283	15,93,110
2. Bombay . . . . .	1,47,966	69,012	36,44,669	38,61,647
3. U. P. . . . .	9,101	2,100	41,84,382	41,95,583
4. Bihar . . . . .	..	..	..	..
5. Madras, East Punjab and Delhi. } . . . . .	35,058	23,153	4,97,236	5,55,447
TOTAL . . . . .	3,49,031	6,82,786	91,74,570	1,02,05,787

TABLE 21·9 (M).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Packing Materials					
	Drums	Metal cans	Lead tubes for tooth paste	Glass jars, carboys, bottles & other containers	Wooden crates	Gunny bags
	58	59	60	61	62	63
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	3,41,768	1,64,154	1,42,819	20,65,099	4,06,599	6,84,062
2. Bombay . . . . .	2,20,668	5,98,616	14,050	16,39,121	1,80,310	1,12,183
3. U. P. . . . .	3,612	8,108	..	2,26,275	47,370	11,647
4. Bihar . . . . .	9,70,704	3,144	..	..	56,220	9,373
5. Madras, East Punjab and Delhi. } . . . . .	9,278	20,258	..	1,47,072	1,20,899	2,09,411
TOTAL . . . . .	15,46,030	7,94,280	1,56,869	40,77,567	8,11,398	10,26,676

TABLE 21·9 (N).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Packing materials				
	Paper all kinds	Strawboard and other boards (including cartons)	Hoops, nails and wire lacing	Other packing materials	Total packing materials
	64	65	66	67	68
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	3,05,974	2,98,408	1,05,066	6,54,915	51,68,864
2. Bombay .	64,913	4,56,726	24,727	30,59,270	63,70,584
3. U. P .	10,630	13,988	4,485	55,559	3,81,674
4. Bihar .	1,688	..	7,734	79,863	11,28,726
5. Madras, East Punjab and Delhi. }	17,715	65,083	12,633	3,30,978	9,33,327
TOTAL .	4,00,920	8,34,205	1,54,645	41,80,585	1,39,83,175

TABLE 21·9 (O).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

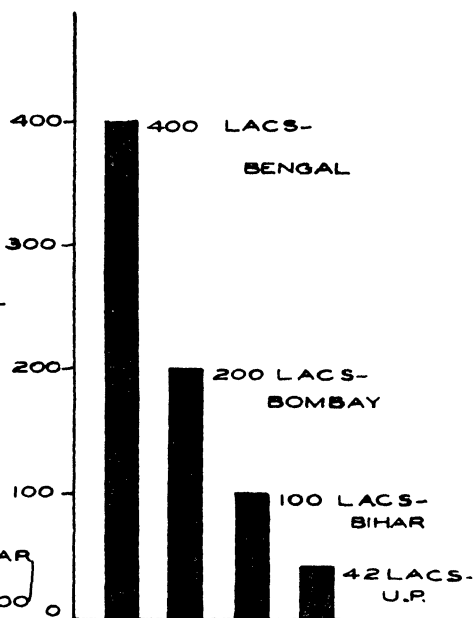
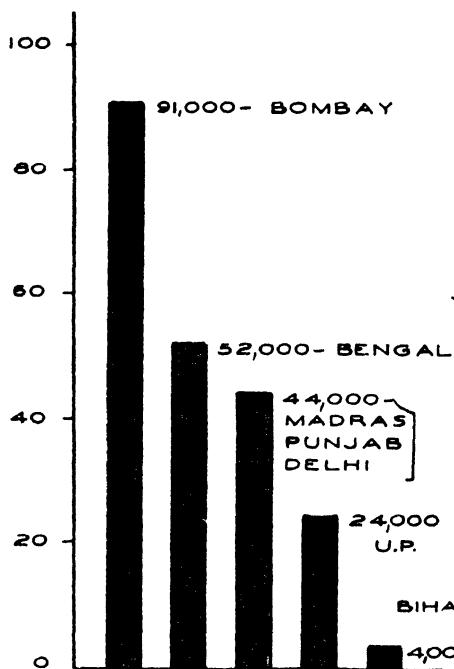
Province	All other materials 69	Total materials consumed 70
	Rs.	Rs.
1. West Bengal .	61,37,517	2,98,76,808
2. Bombay .	32,89,922	1,80,37,332
3. U. P. .	1,73,603	58,11,434
4. Bihar .	26,99,730	59,32,273
5. Madras, East Punjab and Delhi .	21,61,866	71,88,594
TOTAL .	1,44,62,638	6,68,46,441



# PRODUCTION OF

## SULPHURIC ACID

## OXYGEN



1 INCH = 20,000 CWT

1 INCH = 100 LACS CUB. FT

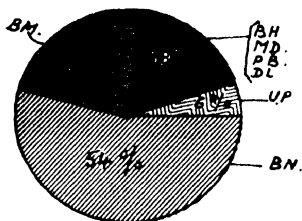
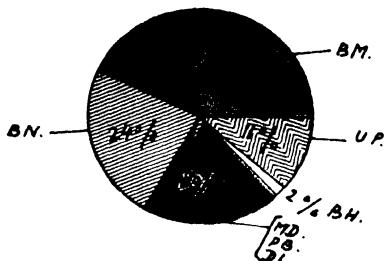


TABLE 21·9 (P).—TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED

Province	Total value of materials consumed	Cost of transport of materials to factory, commission to purchasing agents, etc., which are not included in previous column	Total ex-factory value of materials consumed
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	2,98,76,808	2,33,919	3,01,10,727
2. Bombay . . . . .	1,80,37,332	43,201	1,80,80,533
3. U. P. . . . .	58,11,434	..	58,11,434
4. Bihar . . . . .	59,32,273	203	59,32,476
5. Madras, East Punjab and Delhi . . . . .	71,88,594	..	71,88,594
TOTAL . . . . .	6,68,46,441	2,77,323	6,71,23,764

TABLE 21·10 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded)

Province	Acids				
	Sulphuric acid (in terms of 100 per cent. strength)	Hydrochloric acid (in terms of 1·14 specific gravity)	Nitric acid (in terms of 100 per cent. strength)	Other acids	Total acids
1	2	3	4	5	6
	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.
1. West Bengal . . . . .	51,880	6,320	1,340	194	59,734
2. Bombay . . . . .	91,200	22,860	5,800	212	1,20,072
3. U. P. . . . .	24,240	1,720	1,280	8	27,248
4. Bihar . . . . .	3,780	..	..	..	3,780
5. Madras, East Punjab and Delhi. } . . . . .	43,520	12,780	3,018	13	59,331
TOTAL . . . . .	2,14,620*	43,680†	11,438‡	427	2,70,165

\*The quantity made in the year whether for sale or for further manufacture was 5,46,640 Cwt.

†The quantity made in the year whether for sale or for further manufacture was 46,800 Cwt.

‡The quantity made in the year whether for sale or for further manufacture was 16,260 Cwt.

TABLE 21·10 (B).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded)

Province	Alcohols	Aluminium compounds			
		Aluminium sulphate	Alumina ferric	Other aluminium compounds	Total aluminium compounds
		7	8	9	10
	Gallons	Cwt.	Cwt.	Cwt.	Cwt.
1. West Bengal .	7,522	253	98,272	..	98,525
2. Bombay .	40	15,881	8,621	..	24,502
3. U. P. .	140	16,933	33,867	..	50,800
4. Bihar .	..	..	31,029	..	31,029
5. Madras, East Punjab and Delhi. }	..	..	39,204	..	39,204
TOTAL .	7,702	33,067*	2,10,993	..	2,44,060

\*The quantity made in the year whether for sale or for further manufacture was 1,31,393 cwt.

TABLE 21·10 (C).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded)

Province	Alums	Coal tar and coal tar products			
		Coal tar refined	Coal tar crude	Road tar	Asphalt
		12	13	14	15
	Cwt.	Tons	Tons	Tons	Tons
1. West Bengal .	4,738	380	3,192	3,372	3,356
2. Bombay .	14,811	149	2,132	923	..
3. U. P. .	17,221	..	..	..	..
4. Bihar .	1,187	1,200	736	17,948	..
5. Madras, East Punjab and Delhi. }	23,036	..	..	..	..
TOTAL .	60,993	1,729	6,060	22,243	3,356

TABLE 21·10 (D).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded )

Province	Cosmetics and toilet preparations				
	Powder	Snow	Hair oils	Hair lotions	Perfumes
	17	18	19	20	21
	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
1. West Bengal .	1,00,761	80,198	7,91,759	5,05,005	30,305
2. Bombay .	2,832	1,39,401	1,16,522	7,040	4,864
3. U. P. . . .	..	..	1,557	.	..
4. Bihar . . .	111	16	7,162	.	35
5. Madras, East Punjab and Delhi . . . }	..	22,000	17,466	..	..
TOTAL .	1,03,704	2,41,615	9,34,466	5,12,045	35,204

TABLE 21·10 (E).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded)

Province	Cosmetics and toilet preparations		Disinfectants and insecticides	Gases	
	Tooth powder	Tooth paste	Phenyle	Chlorino	Oxygen
	22	23	24	25	26
	Cwt.	Cwt.	Gallons	Tons	Cu. ft.
1. West Bengal .	1,030	976	1,49,050	1,722	3,96,34,525
2. Bombay .	3	34	1,01,477	..	1,60,58,407
3. U. P. . . .	..	..	746	..	41,67,000
4. Bihar . . .	..	..	1,67,610	..	1,29,14,373
5. Madras, East Punjab and Delhi . . . }	..	..	1,204	..	..
TOTAL .	1,033	1,010	4,20,077	1,722	7,27,74,305

TABLE 21·10 (F).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded)

Province	Gases—(contd.)			
	Carbon dioxide	Coal gas	Acetylene gas	Acetylene dissolved
	27	28	29	30
	Cwt.	Cu. ft.	Cu. ft.	Lbs.
1. West Bengal	9,262	80,44,47,700	7,59,960	46,844
2. Bombay	36,754	98,82,49,300	50,39,349	..
3. U. P.	664	..	8,24,582	..
4. Bihar	..	..	8,92,020	..
5. Madras, East Punjab & Delhi.	7,438	..	..	..
TOTAL	54,118	1,79,26,97,000	75,15,911	46,844

TABLE 21·10 (G).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products used in the factory are excluded)

Province	Inks		Paints, pigments and colours and paints		Soaps	
	Writing ink	Printing and duplicating ink	Zinc oxide	White lead	Toilet soap	Laundry soap
	31	32	33	34	35	36
	Gallons	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.
1. West Bengal	13,517	10,115	78,920	2,961	8,444	11,420
2. Bombay	..	25	..	..	900	2,718
3. U. P.	..	..	..	..	..	..
4. Bihar	17	..	..	..	5	327
5. Madras, East Punjab and Delhi.	..	..	..	..	419	5,264
TOTAL	13,534	10,140	78,920	2,961	9,768	19,729

**TABLE 21·10 (H).—PRODUCTS AND BY-PRODUCTS FOR SALE**  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Soaps— (contd.)		Sodium compounds		Solvents	Starch & star- ch products	
	Medi- cinal soap	Indus- trial soap	Caustic soda	Sodium silicate		Glucose	Dext- rine
	37	38	39	40	41	42	43
	Cwt.	Cwt.	Cwt.	Cwt.	Lbs.	Cwt.	Cwt.
1. West Bengal . . .	1,480	5,903	80,320	14,397	20,119	135	..
2. Bombay . . . . .	1,211	1,422	43	33,362	..	..	1,735
3. U. P. . . . .		2,030	..	760	..	..	579
4. Bihar . . . . .	57	..	..	10,730	13,005	..	..
5. Madras, East Punjab and Delh. } . . . . .		4	..	..	..	..	..
<b>TOTAL</b> . . . . .	2,748	9,359	80,363	59,249	33,124	135	2,314

**TABLE 21·10 (I).—PRODUCTS AND BY-PRODUCTS FOR SALE**  
(QUANTITY)

(Products used in the factory are excluded)

Province	Tanning extracts, all kinds	Fertiliz- ers	Sodium bichromate	Drugs and pharmaceutical	
				Quinine	Strychnine
	44	45	46	47	48
	Cwt.	Tons.	Tons.	Lbs.	Lbs.
1. West Bengal . . .	76,080	27,800	63	86,386	8,912
2. Bombay . . . . .	..	1,090	..	14,930	9
3. U. P. . . . .	..	..	..	..	..
4. Bihar . . . . .	..	..	..	..	..
5. Madras, East Punjab and Delhi. } . . . . .	..	3,159	..	..	..
<b>TOTAL</b> . . . . .	76,080	32,049	63	1,01,316	8,921

TABLE 21·10 (J).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Drugs and pharmaceuticals—(contd.)				Coke
	Emetine	Tinctures and galenicals	Proprietary medicines	Injectules containing glandular preparations	
	49	50	51	52	
	C. C.	Lbs.	Lbs.	C. C.	Cwt.
1. West Bengal	89,817	28,99,876	8,33,009	14,39,493	6,57,549
2. Bombay	65,464	9,10,277	9,99,064	47,04,252	5,52,160
3. U. P.	..	1,94,843	18,370	3,41,954	..
4. Bihar	..	..	..	..	21,65,660
5. Madras, Punjab and Delhi.	} ..	2,11,614	..	..	3,000
TOTAL	1,55,281	42,16,610	18,50,443	64,85,699	33,78,369

TABLE 21·11 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Acids				Total acids
	Sulphuric acid (in terms of 100 per cent. strength)	Hydrochloric acid (in terms of 1·14 specific gravity)	Nitric acid (in terms of 100 per cent. strength)	Other acids	
	2	3	4	5	
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	11,31,383	2,41,469	1,36,776	33,223	15,42,851
2. Bombay	12,42,840	4,29,752	3,81,605	20,940	20,75,137
3. U. P.	3,53,323	44,582	1,04,559	1,316	5,03,780
4. Bihar	40,302	..	..	..	40,302
5. Madras, Punjab and Delhi.	} 4,38,587	1,22,495	2,41,436	3,593	8,06,111
TOTAL	32,06,435	8,38,298	64,376	59,072	49,68,181

**TABLE 21.11 (B).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)**

(Products used in the factory are excluded)

Province	Aluminium compounds					Alum
	Alcohols	Aluminium sulphate	Alumina ferric	Other aluminium compounds	Total aluminium compounds	
	7	8	9	10	11	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	76,776	6,072	8,38,850	..	8,44,922	91,018
2. Bombay .	400	3,36,310	74,473	..	4,10,783	4,24,609
3. U. P. . . .	1,400	1,70,000	3,28,000	..	4,98,000	2,74,352
4. Bihar . . .	..	..	2,02,486	..	2,02,486	16,633
5. Madras, East Punjab and Delhi. } ..	..	..	3,37,209	..	3,37,209	5,84,797
<b>TOTAL</b>	78,576	5,12,382	17,81,018	..	22,93,400	13,91,409

**TABLE 21.11 (C).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)**

(Products used in the factory are excluded)

Province	Coal tar and coal tar products					
	Coal tar refined	Coal tar crude	Road tar	Asphalt	Other coal tar products	Total coal tar products
	13	14	15	16	17	18
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	96,880	4,78,893	5,31,090	5,73,670	1,40,423	18,20,956
2. Bombay .	35,270	3,19,800	1,56,910	..	59,310	5,71,290
3. U. P. . . .	..	..	..	..	..	..
4. Bihar . . .	2,80,112	73,620	24,21,558	..	19,74,077	47,49,367
5. Madras, East Punjab and Delhi. } ..	..	..	..	..	..	..
<b>TOTAL</b>	4,12,262	8,72,313	31,09,558	5,73,670	21,73,811	71,41,613

TABLE 21·11 (D).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Cosmetics and toilet preparations				
	Powder	Snow	Hair oils	Hair lotions	Perfumes
	19	20	21	22	23
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,53,006	5,12,034	23,20,028	8,50,058	5,48,365
2. Bombay . . . . .	10,200	18,98,211	2,53,239	31,648	1,03,518
3. U. P. . . . .	..	..	2,428	..	..
4. Bihar . . . . .	389	80	10,743	..	420
5. Madras, East Punjab and Delhi. } ..	..	80,000	35,236	..	..
<b>TOTAL</b> . . . . .	<b>1,63,595</b>	<b>24,90,325</b>	<b>26,21,674</b>	<b>8,81,706</b>	<b>6,52,303</b>

TABLE 21·11 (E).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Cosmetics and toilet preparations—(contd.)			
	Tooth powder	Tooth paste	Other cosmetics	Total
	24	25	26	27
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	2,97,926	7,11,764	96,696	54,89,877
2. Bombay . . . . .	360	25,500	1,75,497	24,98,173
3. U. P. . . . .	48	..	..	2,476
4. Bihar . . . . .	..	..	250	11,882
5. Madras, East Punjab and Delhi. } ..	..	..	15,000	1,30,236
<b>TOTAL</b> . . . . .	<b>2,98,334</b>	<b>7,37,264</b>	<b>2,87,443</b>	<b>81,32,644</b>

TABLE 21.11 (F).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Disinfectants and insecticides			Gases		
	Phenyle	Other disinfectants	Total	Chlorine	Oxygen	Carbon dioxide (excluding dry ice)
	28	29	30	31	32	33
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . .	3,98,613	1,72,661	5,71,274	14,38,828	9,54,707	4,53,073
2. Bombay . . .	3,04,012	1,12,413	4,16,425	..	5,23,499	12,86,390
3. U. P. . . .	1,760	278	2,038	..	1,35,940	32,507
4. Bihar . . .	2,05,090	..	2,05,090	..	2,42,321	..
5. Madras, East Punjab and Delhi. } . . .	3,612	1,22,425	1,26,037	..	..	2,99,757
TOTAL . . .	9,13,087	4,07,777	13,20,864	14,38,828	18,56,467	20,71,72

TABLE 21.11 (G).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Gases—(contd.)				
	Coal gas	Acetylene gas	Acetylene dissolved	Other gases	Total gases
	34	35	36	37	38
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . .	27,93,324	1,12,291	7,50,101	1,29,849	66,32,173
2. Bombay . . .	36,57,123	7,12,614	..	..	61,70,626
3. U. P. . . .	..	1,20,673	..	..	2,89,120
4. Bihar . . .	..	1,30,341	..	..	3,72,662
Madras, East Punjab and Delhi. } . . .	..	..	..	..	2,99,757
TOTAL . . .	64,50,447	10,75,919	7,50,101	1,29,849	1,37,738

TABLE 21.11 (H).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Inks			
	Writing ink	Printing and duplicating ink	Other inks	Total inks
	39	40	41	42
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,61,944	34,73,687	29,885	36,65,516
2. Bombay . . . . .	..	5,341	..	5,341
3. U. P. . . . .	..	..	..	..
4. Bihar . . . . .	85	..	..	85
5. Madras, East Punjab and Delhi. } . . . . .	..	..	..	..
TOTAL . . . . .	1,62,029	34,79,028	29,885	36,70,942

TABLE 21.11 (I).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Paint pigments and colours and paints			
	Zinc oxide	White lead	Other paint pigments and colours, and paints	Total
	43	44	45	46
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	30,38,420	12,87,759	1,99,660	45,25,839
2. Bombay . . . . .	..	..	2,29,016	2,29,016
3. U. P. . . . .	..	..	..	..
4. Bihar . . . . .	..	..	1,26,741	1,26,741
5. Madras, East Punjab and Delhi. } . . . . .	..	..	..	..
TOTAL . . . . .	30,38,420	12,87,759	5,55,417	48,81,596

TABLE 21.11 (J).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Soaps				
	Toilet soaps	Laundry soaps	Medicinal soaps	Industrial soaps	Total
	47	48	49	50	51
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	16,93,266	7,41,626	2,52,254	2,17,586	29,04,732
2. Bombay	1,56,486	1,35,873	1,57,508	71,110	5,20,977
3. U. P.	..	..	..	91,046	91,046
4. Bihar	310	15,065	3,710	..	21,085
5. Madras, East Punjab and Delhi.	58,006	2,60,462	..	112	3,18,580
TOTAL	19,08,068	11,53,026	4,15,472	3,79,854	38,56,420

TABLE 21.11 (K).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Sodium compounds			
	Caustic soda	Sodium silicate	Other sodium compounds	Total
	52	53	54	55
	Rs.	Rs.	Rs.	Rs.
1. West Bengal	7,27,645	1,90,817	1,16,718	10,35,180
2. Bombay	430	2,47,709	9,56,043	12,04,182
3. U. P.	..	11,400	8,08,410	8,19,810
4. Bihar	..	1,28,760	55	1,28,815
5. Madras, East Punjab and Delhi.	..	..	87,047	87,047
TOTAL	7,28,075	5,78,686	19,68,273	32,75,034

TABLE 21·11 (L).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Solvents	Starches and starch products			
		Glucose	Dextrine	Other starches and starch products	Total
		56	57	58	59
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	68,532	56,308	..	..	56,308
2. Bombay . . . . .	..	..	1,33,430	..	1,33,430
3. U. P. . . . .	..	..	35,489	1,28,014	1,63,503
4. Bihar . . . . .	8,128	..	..	..	..
5. Madras, East Punjab and Delhi. } . . . . .	..	..	..	..	..
<b>TOTAL . . . . .</b>	<b>76,660</b>	<b>56,308</b>	<b>1,68,919</b>	<b>1,28,014</b>	<b>3,53,241</b>

TABLE 21·11 (M).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Tanning extracts, all kinds	Fertilisers	Sodium bi-carbonate
	61	62	63
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	14,03,688	68,11,000	1,17,943
2. Bombay . . . . .	..	2,18,000	..
3. U. P. . . . .	..	..	..
4. Bihar . . . . .	..	..	..
5. Madras, East Punjab and Delhi. . . . .	..	6,90,480	..
<b>TOTAL . . . . .</b>	<b>14,03,688</b>	<b>77,19,480</b>	<b>1,17,943</b>

TABLE 21·11 (N).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Drugs and pharmaceuticals			
	Quinine	Strychnine	Emetine	Tinctures and galenicals
	64	65	66	67
	Rs.	Rs.	Rs.	Rs.
1. W. Bengal . . . . .	27,76,094	3,39,087	64,612	53,66,404
2. Bombay . . . . .	4,62,840	368	49,109	17,97,095
3. U. P. . . . .	..	..	..	4,00,925
4. Bihar . . . . .	..	..	..	..
5. Madras, East Punjab and Delhi. } . . . . .	..	..	..	2,26,349
TOTAL . . . . .	32,38,934	3,39,455	1,13,721	77,90,773

TABLE 21·11 (O).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Drugs and pharmaceuticals—(contd.)			
	Proprietary medicines	Injectules containing glandular preparations	Other drugs and pharmaceuticals	Total
	68	69	70	71
	Rs.	Rs.	Rs.	Rs.
1. W. Bengal . . . . .	66,52,160	5,98,015	60,85,402	2,18,81,774
2. Bombay . . . . .	57,48,735	8,67,232	90,28,013	1,79,53,392
3. U. P. . . . .	53,676	16,458	1,30,00,256	1,34,71,315
4. Bihar . . . . .	..	..	..	..
5. Madras, East Punjab and Delhi. } . . . . .	..	..	7,48,023	9,72,372
TOTAL . . . . .	1,24,54,571	14,81,705	2,88,59,694	5,42,78,853

TABLE 21.11 (P).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Coke	Other products and by-products	Total products and by-products
	72	73	74
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	11,01,983	38,29,131	6,44,71,473
2. Bombay . . . . .	15,18,440	99,93,280	4,43,52,501
3. U. P. . . . .	..	9,33,033	1,70,49,873
4. Bihar . . . . .	42,14,766	9,26,989	1,10,25,031
5. Madras, East Punjab and Delhi . . . . .	375	51,34,032	94,87,033
<b>TOTAL</b> . . . . .	68,35,564	2,08,16,465	14,63,85,911

TABLE 21.11 (Q).—TOTAL EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS

Province	Total products and by-products	Cost of transport of products from factory, commission to selling agents, etc., which are included in previous column	Total ex-factory value of products and by-products
		3	
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	6,44,71,473	5,39,516	6,39,31,957
2. Bombay . . . . .	4,43,52,501	4,91,171	4,38,61,330
3. U. P. . . . .	1,70,49,873	..	1,70,49,873
4. Bihar . . . . .	1,10,25,031	..	1,10,25,031
5. Madras, East Punjab and Delhi . . . . .	94,87,033	..	94,87,033
<b>TOTAL</b> . . . . .	14,63,85,911	10,30,687	14,53,55,224

**TABLE 21.12.—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC. CONSUMED AND WORK DONE FOR THE INDUSTRY BY OTHER CONCERNS**

Province	Fuels, electricity and lubricants	Raw materials, chemicals, etc.	Work done for the industry by other concerns	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	31,44,193	3,01,10,727	94,547	3,33,49,467
2. Bombay . . . . .	11,67,283	1,80,80,533	3,034	1,92,50,850
3. U. P. . . . .	3,19,526	58,11,434	..	61,30,960
4. Bihar . . . . .	4,08,949	59,32,476	15,494	63,56,919
5. Madras, East Punjab and Delhi.	4,47,553	71,88,594	1,289	76,37,436
TOTAL . . . . .	54,87,504	6,71,23,764	1,14,364	7,27,25,632

**TABLE 21.13.—EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS AND WORK DONE BY THE INDUSTRY FOR CUSTOMERS**

Province	Products and by-products	Work done for customers	Total
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	6,39,31,957	1,10,805	6,40,42,762
2. Bombay . . . . .	4,38,61,330	4,86,896	4,43,48,226
3. U. P. . . . .	1,70,49,873	..	1,70,49,873
4. Bihar . . . . .	1,10,25,031	8,858	1,10,33,889
5. Madras, East Punjab and Delhi.	94,87,033	..	94,87,033
TOTAL . . . . .	14,53,55,224	6,06,559	14,59,61

TABLE 21.14.—VALUE ADDED BY MANUFACTURE

Province	Ex-factory value of products and work done by the industry for customers	Ex-factory value of fuels, raw materials, etc., consumed and work done for the industry by other concerns	Depreciation of fixed assets at the rate allowed for purposes of income-tax	Value of products less cost of materials and fuels less depreciation [col. (2) — col. (3) — col. (4)]
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	6,40,42,762	3,33,49,467	17,15,867	2,39,77,428
2. Bombay . . . . .	4,43,48,226	1,92,50,850	13,93,949	2,37,03,427
3. U. P. . . . .	1,70,49,873	61,30,960	2,53,926	1,06,64,987
4. Bihar . . . . .	1,10,33,889	63,56,919	2,00,981	44,75,989
5. Madras, East Punjab and Delhi. } . . . . .	94,87,033	76,37,436	2,46,799	16,02,798
<b>TOTAL</b> . . . . .	<b>14,59,61,783</b>	<b>7,27,25,632</b>	<b>38,11,522</b>	<b>6,94,24,629</b>

## **CHAPTER XXV**

### **22. ALUMINIUM, COPPER AND BRASS**



## 22. ALUMINIUM, COPPER AND BRASS

The output of aluminium and copper in India was small. There were 133 factories engaged in this industry, but primary producers manufacturing virgin metal from ore and scrap were few. Most of the factories were engaged in processing virgin metals and scrap. West Bengal was the only province in which aluminium was produced from bauxite. Copper was produced from ore only in Bihar.

The productive capital employed in the industry was over 11½ crores of rupees, 56% of which was working capital and the rest fixed capital. The industry employed nearly 20,000 persons. Most of the workers were directly employed by factories, only 7% being employed through contractors. There was a small proportion of women and child workers.

The major products were aluminium and brass domestic utensils, brass sheets and strips, and copper rods, bars and wire.

The value added by manufacture was 4½ crores of rupees or 4½ lakhs of rupees per factory, Rs. 2,406 per person employed, and Rs. 1-2-0 per man hour. Employees received about 40% of the value added as salaries, wages and other benefits. The average amount received by a worker per day as wages and other benefits was Rs. 2-12-0.



TABLE 22·1.—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns)
		Number	% per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal	20	19	95·0	..	268
2. Bombay .	65	59	90·0	..	294
3. Madras .	4	4	100·0	..	208
4. U. P. .	26	17	65·0	..	273
5. Bihar .	1	1	100·0	..	365
6. East Punjab	15	9	60·0	1	297
7. C.P. & Berar	1	1	100·0	..	303
8. Delhi .	1	1	100·0	..	299
9. Orissa .	..	..	..	..	..
10. Assam .	..	..	..	..	..
11. Ajmer-Merwara	} ..	..	..	..	..
TOTAL .	133	111	83·5	1	298

TABLE 22·2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province	Fixed capital			
	Land and buildings	Plant and machinery	Other fixed assets	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . .	1,27,22,860	1,50,78,279	9,89,751	2,87,90,890
2. Bombay . . .	38,86,217	63,80,145	12,86,721	1,15,53,083
3. U. P. . . .	1,76,706	5,28,290	41,612	7,46,608
4. East Punjab . . .	1,26,694	4,48,442	51,449	6,26,585
5. Madras, Bihar, C. P. & Berar and Delhi. } . . .	20,89,039	73,01,298	1,96,937	95,87,274
TOTAL . . .	1,90,01,516	2,97,36,454	25,66,470	5,13,04,440

TABLE 22·2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital			Total productive capital employed*	Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels	Stock of products and by-products	Total*		
	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . .	1,53,20,884	2,32,17,316	3,85,38,200	6,73,29,090	1,63,400
2. Bombay . . .	1,11,47,351	11,39,321	1,52,86,672	2,68,39,755	1,66,468
3. U. P. . . .	3,65,669	2,50,747	6,16,416	13,63,024	9,331
4. East Punjab . . .	7,52,937	3,09,419	10,62,356	16,88,941	34,821
5. Madras, Bihar, C.P. & Berar and Delhi. } . . .	51,08,158	50,60,112	1,01,68,270	1,97,55,544	11,794
TOTAL . . .	3,26,94,999	3,29,76,915	6,56,71,914	11,69,76,354	3,85,814

\*Cash in hand and at banks and value of semi-finished products and materials in process have been excluded, as reliable estimates of these are not available.

TABLE 22.3 (A).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day directly by factory			
	Men	Women	Children	Total
	2	3	4	5
1. West Bengal . . . . .	6,799	67	34	6,900
2. Bombay . . . . .	5,223	461	..	5,684
3. U. P. . . . .	631	1	35	667
4. East Punjab . . . . .	583	2	10	595
5. Madras, Bihar, C.P. & Berar and Delhi	2,151	225	..	2,376
TOTAL . . . . .	15,387	756	79	16,222

TABLE 22.3 (B).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contractors				Number of persons other than workers	Total number of persons employed
	Men	Women	Children	Total		
	6	7	8	9		
1. West Bengal	357	101	..	458	939	8,297
2. Bombay . . . . .	551	85	..	636	830	7,150
3. U. P. . . . .	18	..	..	18	78	763
4. East Punjab.	91	..	..	91	144	830
5. Madras, Bihar, C.P. & Berar and Delhi, }	..	..	..	..	463	2,839
TOTAL . . . . .	1,017	186	..	1,203	2,454	19,879

TABLE 22.4 (A).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked directly for factory			
	Men	Women	Children	Total
1	2	3	4	5
1. West Bengal . . . . .	1,68,15,902	1,73,262	63,989	1,70,53,153
2. Bombay . . . . .	1,27,34,199	10,54,971	..	1,37,89,170
3. U. P. . . . .	14,90,907	1,638	51,518	15,44,063
4. East Punjab . . . . .	14,78,967	6,145	16,502	15,01,614
5. Madras, Bihar, C. P. & Berar and Delhi. } . . . . .	50,93,341	5,50,744	..	56,44,085
TOTAL . . . . .	3,76,13,316	17,86,760	1,32,009	3,95,32,085

TABLE 22.4 (B).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked
	Men	Women	Children	Total	
	6	7	8	9	10
1. West Bengal . . . . .	9,13,008	2,61,186	..	11,74,194	1,82,27,347
2. Bombay . . . . .	12,69,128	1,93,175	..	14,62,303	1,52,51,473
3. U. P. . . . .	34,398	..	..	34,398	15,78,461
4. East Punjab . . . . .	2,36,372	..	..	2,36,372	17,37,986
5. Madras, Bihar, C. P. & Berar and Delhi. } . . . . .	..	..	..	..	56,44,085
TOTAL . . . . .	24,52,906	4,54,361	..	29,07,267	4,24,39,352

TABLE 22·5 (A).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers			
	Directly by factory			
	Men	Women	Children	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	57,87,529	13,536	10,289	58,11,354
2. Bombay . . . . .	39,40,885	2,73,462	..	42,14,347
3. U. P. . . . .	4,53,143	114	3,481	4,56,738
4. East Punjab . . . . .	4,67,716	669	2,000	4,70,385
5. Madras, Bihar, C. P. & Berar and Delhi. } . . . . .	15,90,520	78,126	..	16,68,646
TOTAL . . . . .	1,22,39,793	3,65,907	15,770	1,26,21,470

TABLE 22·5 (B).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers			
	Through contractors			
	Men	Women	Children	Total
	6	7	8	9
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,28,554	20,405	..	1,48,959
2. Bombay . . . . .	7,27,040	38,245	..	7,65,285
3. U. P. . . . .	2,633	..	..	2,633
4. East Punjab . . . . .	1,19,186	..	..	1,19,186
5. Madras, Bihar, C. P. & Berar and Delhi. } . . . . .	..	..	..	..
TOTAL . . . . .	9,77,413	58,650	..	10,36,063

TABLE 22.5 (C).—SALARIES AND WAGES PAID

Province	Total Salaries and wages paid		Money value of other benefits or privileges	Total salaries, wages, etc.
	Workers	Persons other than workers		
	10	11		
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	59,60,313	19,03,592	1,20,915	79,84,820
2. Bombay . . . . .	49,79,632	16,17,451	26,337	66,23,420
3. U. P. . . . .	4,59,371	63,243	..	5,22,614
4. East Punjab . . . . .	5,89,571	1,65,294	..	7,54,865
5. Madras, Bihar, C. P. & Berar and Delhi. } . . . . .	16,68,646	12,93,623	45,403	30,07,672
TOTAL . . . . .	1,36,57,533	50,43,203	1,92,655	1,88,93,391

TABLE 22.6 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC. CONSUMED (QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firowood	Fuel oi
1	2	3	4	5	6
	Tons	Tons	Mds.	Mds.	Gallons
1. West Bengal . . . . .	55,893	3,372	8,724	19,259	1,30,471
2. Bombay . . . . .	645	2,526	9,332	69,862	15,85,713
3. U. P. . . . .	99	87	1,636	52,495	10,924
4. East Punjab . . . . .	155	489	554	1,08,310	3,930
5. Madras, Bihar, C. P. & Berar and Delhi. } . . . . .	55,138	345	7,015	6,572	3,11,717
TOTAL . . . . .	1,11,930	6,819	27,261	2,56,498	20,42,755

TABLE 22·6 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal gas	Electricity	Water	Lubricants	
	7	8	9	Oils 10	Others 11
	1,000 Cub. ft.	K. W. H.	1,000 Gallons	Gallons	Cwt.
1. West Bengal . . . . .	40,367	35,55,838	38,612	16,762	393
2. Bombay . . . . .	851	42,76,724	18,021	31,168	418
3. U. P. . . . .	..	58,216	260	1,826	46
4. East Punjab . . . . .	..	19,057	525	12,155	50
5. Madras, Bihar, C. P. & Berar and Delhi. } ..	..	2,88,833	652	9,979	335
TOTAL	41,218	81,98,668	58,070	71,890	1,242

TABLE 22·7 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	3,41,672	1,34,827	37,926	27,123
2. Bombay . . . . .	27,114	1,35,449	32,934	1,41,508
3. U. P. . . . .	6,090	4,893	8,248	97,870
4. East Punjab . . . . .	5,234	27,121	2,722	1,95,376
5. Madras, Bihar, C. P. & Berar and Delhi	8,86,245	18,595	21,448	9,716
TOTAL	12,66,355	3,20,885	1,03,278	4,71,593

TABLE 22·7 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)  
(Fuels, etc., produced in the factory are excluded)

Province	Fuel oils	Coal gas	Other fuels	Electricity
	6	7	8	9
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,84,038	1,21,283	1,053	2,14,693
2. Bombay . . . . .	4,09,510	3,374	17,248	2,41,170
3. U. P. . . . .	11,549	..	4,415	14 779
4. East Punjab . . . . .	3,289	..	..	12,818
5. Madras, Bihar, C. P. & Berar and Delhi	1,20,140	..	3,183	17,718
TOTAL . . . . .	7,28,526	1,24,657	25,899	5,01,178

TABLE 22·7 (C).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)  
(Fuels, etc., produced in the factory are excluded)

Province	Water 10	Lubricants		Total fuel etc. consumed 13
		Oils 11	Others 12	
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	10,665	63,169	25,777	11,62,226
2. Bombay . . . . .	15,324	90,165	35,094	11,48,890
3. U. P. . . . .	576	7,555	2,457	1,58,432
4. East Punjab . . . . .	1,972	26,821	4,512	2,79,865
5. Madras, Bihar, C. P. & Berar and Delhi	283	27,589	18,378	11,24,295
TOTAL . . . . .	28,820	2,15,299	87,218	38,73,708

TABLE 22·8 (A).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Basic materials					
	Aluminium materials					
	Bauxite	Scrap	Ingots	Sheets and strips	Discs and circles	Other aluminium materials
1	2	3	4	5	6	7
	Tons	Tons	Tons	Tons	Tons	Tons
1. West Bengal .	6,441	133	982	150	1,411	31
2. Bombay .	..	277	2,820	199	1,131	49
3. U. P. . . . .	..	39	..	..	20	..
4. East Punjab .	..	48	188	..	2	..
5. Madras, Bihar, C. P. & Berar and Delhi. }	..	..	838	31	364	2
<b>TOTAL</b> .	<b>6,441</b>	<b>497</b>	<b>4,828</b>	<b>380</b>	<b>2,928</b>	<b>82</b>

TABLE 22·8 (B).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Basic materials					
	Copper materials					
	Ore	Scrap	Ingots, billets, slabs, etc.	Sheets and strips	Rods and bars	Other copper materials
	8	9	10	11	12	13
	Tons	Tons	Tons	Tons	Tons	Tons
1. West Bengal .	..	409	1,471	74	8,150	333
2. Bombay .	..	1,107	2,658	468	5	53
3. U. P. . . . .	..	60	11	..	..	..
4. East Punjab .	..	180	204	..	..	23
5. Madras, Bihar, C. P. & Berar and Delhi. }	3,68,486	70	..	68	..	19
<b>TOTAL</b> .	<b>3,68,486</b>	<b>1,826</b>	<b>4,344</b>	<b>610</b>	<b>8,155</b>	<b>428</b>

TABLE 22·8 (C).—MATERIALS CONSUMED  
(QUANTITY)

(Materials, produced in the factory are excluded)

Province	Basic materials			
	Brass materials			
	Scrap	Ingots	Sheets and strips	Discs and circles
	14	15	16	17
	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	792	753	44	1
2. Bombay . . . . .	2,186	245	3,169	89
3. U. P. . . . .	56	12	95	..
4. East Punjab . . . . .	382	107	161	99
5. Madras, Bihar, C. P. & Berar and Delhi	289	..	801	263
<b>TOTAL</b> . . . . .	<b>3,705</b>	<b>1,117</b>	<b>4,270</b>	<b>452</b>

TABLE 22. 8(D).—MATERIALS CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province	Basic materials		
	Brass materials		
	Rods and bars	Other brass materials	Total brass materials
	18	19	20
	Tons	Tons	Tons
1. West Bengal . . . . .	24	77	1,691
2. Bombay . . . . .	95	719	6,503
3. U. P. . . . .	..	12	175
4. East Punjab . . . . .	4	..	753
5. Madras, Bihar, C. P. & Berar and Delhi . . . . .	..	1	1,354
<b>TOTAL</b> . . . . .	<b>123</b>	<b>809</b>	<b>10,476</b>

TABLE 22·8 (E).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Basic materials				
	Tin	Zinc	Lead	Steel	Other basic materials
	21	22	23	24	25
	Tons	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	268	1,556	450	11	630
2. Bombay . . . . .	425	1,076	737	539	17,337
3. U. P. . . . .	1	63	4	9	49
4. East Punjab . . . . .	2	197	1	57	..
5. Madras, Bihar, C. P. & Berar and Delhi. } . . . . .	6	3,521	13	5	28
<b>TOTAL</b>	<b>702</b>	<b>6,413</b>	<b>1,205</b>	<b>621</b>	<b>18,044</b>

TABLE 22·8 (F).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Chemicals		Packing materials	
	Carbon	Caustic soda	Gunny bags.	Timber
	26	27	28	29
	Cwt.	Cwt.	No.	Cub. ft.
1. West Bengal . . . . .	21,921	8,296	3,71,385	3,99,111
2. Bombay . . . . .	..	1,252	1,40,494	1,059
3. U. P. . . . .	..	..	10	135
4. East Punjab . . . . .	..	38	29,415	2,400
5. Madras, Bihar, C. P. & Berar and Delhi . . . . .	..	..	3,700	366
<b>TOTAL</b>	<b>21,921</b>	<b>9,586</b>	<b>5,45,004</b>	<b>4,03,071</b>

TABLE 22·9 (A).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province  1	Basic materials			
	Aluminium materials			
	Bauxite  2	Scrap  3	Ingots  4	Sheets and strips  5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	96,615	1,98,566	20,27,199	4,18,409
2. Bombay . . . . .	..	4,12,653	55,80,393	5,68,127
3. U. P. . . . .	..	44,357	278	..
4. East Punjab . . . . .	..	93,100	3,69,079	..
5. Madras, Bihar, C. P. & Berar and Delhi	..	1,054	16,80,029	91,814
TOTAL . . . . .	96,615	7,49,730	96,56,978	10,78,350

TABLE 22·9 (B).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Basic materials		
	Aluminium materials		
	Discs and circles  6	Other aluminium materials  7	Total aluminium materials  8
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	44,86,848	1,41,032	73,68,669
2. Bombay . . . . .	36,35,132	1,83,448	1,03,79,753
3. U. P. . . . .	66,850	..	1,11,485
4. East Punjab . . . . .	7,700	..	4,69,879
5. Madras, Bihar, C. P. & Berar and Delhi . . . . .	11,23,430	10,903	29,07,230
TOTAL . . . . .	93,19,960	3,35,383	2,12,37,016

TABLE 22·9 (C).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Basic materials						
	Copper materials						
	Ore	Scrap	Ingots, billets, slabs, etc.	Sheets and strips	Rods and bars	Other copper materials	Total copper materials
	9	10	11	12	13	14	15
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	..	4,83,612	18,96,943	1,32,236	91,13,203	5,23,186	1,2,39,180
2. Bombay	..	15,91,176	37,98,67	9,92,391	7,083	65,126	64,54,446
3. U. P.	..	83,412	19,418	2,400	..	14	1,05,244
4. East Punjab	..	3,42,528	2,95,355	915	..	36,773	6,75,571
5. Madras, Bihar C.P. & Berar and Delhi.	} 48,00,716	96,470	..	1,35,500	..	37,800	50,70,486
TOTAL	48,00,716	25,97,198	60,00,386	12,63,442	91,20,286	6,62,899	2,44,44,927

TABLE 22·9 (D).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Basic materials			
	Brass materials			
	Scrap	Ingots	Sheets and strips	Discs and circles
	16	17	18	19
	Rs.	Rs.	Rs.	Rs.
1. West Bengal	8,65,107	9,70,248	1,06,238	1,083
2. Bombay	22,36,248	3,45,034	55,30,796	1,66,946
3. U. P.	84,697	17,454	1,92,009	..
4. East Punjab	5,95,394	1,61,539	2,66,478	1,85,686
5. Madras, Bihar, C. P. & Berar and Delhi.	} 2,87,271	..	15,49,629	4,74,068
TOTAL	40,68,717	14,94,275	76,45,150	8,27,783

TABLE 22-9 (E).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Basic materials				
	Brass materials			Tin	Zinc
	Rods and bars	Other brass materials	Total brass materials		
	20	21	22	23	24
Rs.	Rs.	Rs.	Rs.	Rs.	
1. West Bengal . . . . .	61,317	83,619	20,87,612	15,80,214	11,99,871
2. Bombay . . . . .	1,26,273	8,55,340	92,60,637	28,53,321	7,48,343
3. U. P. . . . .	1,230	19,183	3,14,573	7,313	41,026
4. East Punjab . . . . .	7,931	..	12,17,028	18,754	2,75,903
5. Madras, Bihar, C.P. & Berar and Delhi. } ..		634	23,11,602	44,417	23,58,134
TOTAL . . . . .	1,96,751	9,58,776	1,51,91,452	45,04,019	46,23,277

TABLE 22-9 (F).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Basic materials			
	Lead	Steel	Other basic materials	Total basic materials
	25	26	27	28
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	2,92,180	7,816	11,71,320	2,58,46,862
2. Bombay . . . . .	4,54,757	3,43,572	19,96,567	3,24,91,396
3. U. P. . . . .	3,404	10,032	14,207	6,07,284
4. East Punjab . . . . .	500	18,471	754	26,76,860
5. Madras, Bihar, C. P. & Berar and Delhi. } 8,808		14,924	36,496	1,27,52,097
TOTAL . . . . .	7,59,649	3,94,815	32,19,344	7,43,74,499

TABLE 22·9 (G).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Chemicals			Total chemicals 32
	Carbon 29	Caustic soda 30	Other chemicals* 31	
	Rs.	Rs.	Rs.	
1. West Bengal . . . . .	2,43,917	2,01,912	4,36,804	8,82,633
2. Bombay . . . . .	..	31,833	1,33,849	1,65,682
3. U. P. . . . .	..	12	11,930	11,942
4. East Punjab . . . . .	..	1,450	22,192	23,642
5. Madras, Bihar, C. P. & Berar and Delhi } ..	..	..	30,488	30,488
TOTAL . . . . .	2,43,917	2,35,207	6,35,263	11,14,387

TABLE 22·9 (H).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Packing materials <sup>a</sup>					
	Gunny bags 33	Timber 34	Other packing materials* 35	Total packing materials 36	Other materials 37	Total materials consumed 38
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	2,03,019	1,44,997	1,73,172	5,21,188	1,76,678	2,74,27,361
2. Bombay . . . . .	97,989	11,624	2,13,247	3,22,860	6,94,746	3,36,74,684
3. U. P. . . . .	5	691	11,251	11,947	17,128	6,48,301
4. East Punjab . . . . .	37,259	6,000	9,331	52,590	2,76,865	30,29,957
5. Madras, Bihar, C. P. & Berar and Delhi } 2,108	2,108	1,098	59,369	62,575	53,984	1,28,99,144
TOTAL . . . . .	3,40,380	1,64,410	4,66,370	9,71,160	12,19,401	7,76,79,447

\*The corresponding quantity is not shown in Table 22·8 as all the materials are not stated in the same system of units.

TABLE 22·9 (I).—TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED

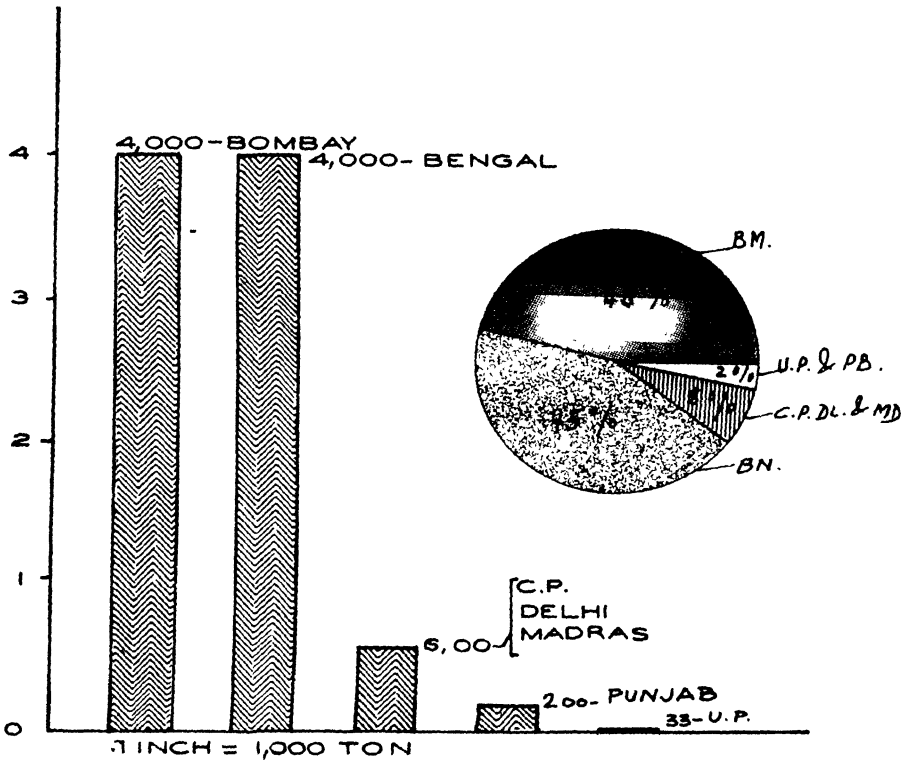
Province	Total value of materials consumed	Cost of transport of materials to the factory, commission to purchasing agents, etc., which are not included in the previous column	Ex-factory value of materials consumed
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	2,74,27,361	7,494	2,74,34,855
2. Bombay . . . . .	3,36,74,684	67,457	3,37,42,141
3. U. P. . . . .	6,48,301	..	6,48,301
4. East Punjab . . . . .	30,29,957	4,000	30,33,957
5. Madras, Bihar, C.P. & Berar and Delhi .	1,28,99,144	23,799	1,29,22,943
TOTAL .	7,76,79,447	1,02,750	7,77,82,197

TABLE 22·10 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products, used in the factory are excluded)

Province	Aluminium products					
	Ingots	Sheets and strips	Discs and circles	Foil	Domestic utensils	Other aluminium products
1	2	3	4	5	6	7
	Tons	Tons	Tons	Tons	Tons	Tons
1. West Bengal .	1,574	110	201	81	1,803	89
2. Bombay .	30	212	562	..	2,952	243
3. U. P. . . . .	..	..	..	..	33	..
4. East Punjab .	..	..	..	..	160	..
5. Madras, Bihar, C. P. & Berar and Delhi. } .	..	..	..	..	577	65
TOTAL .	1,604	322	763	81	5,525	397

# PRODUCTION OF ALUMINIUM







# PRODUCTION OF COPPER

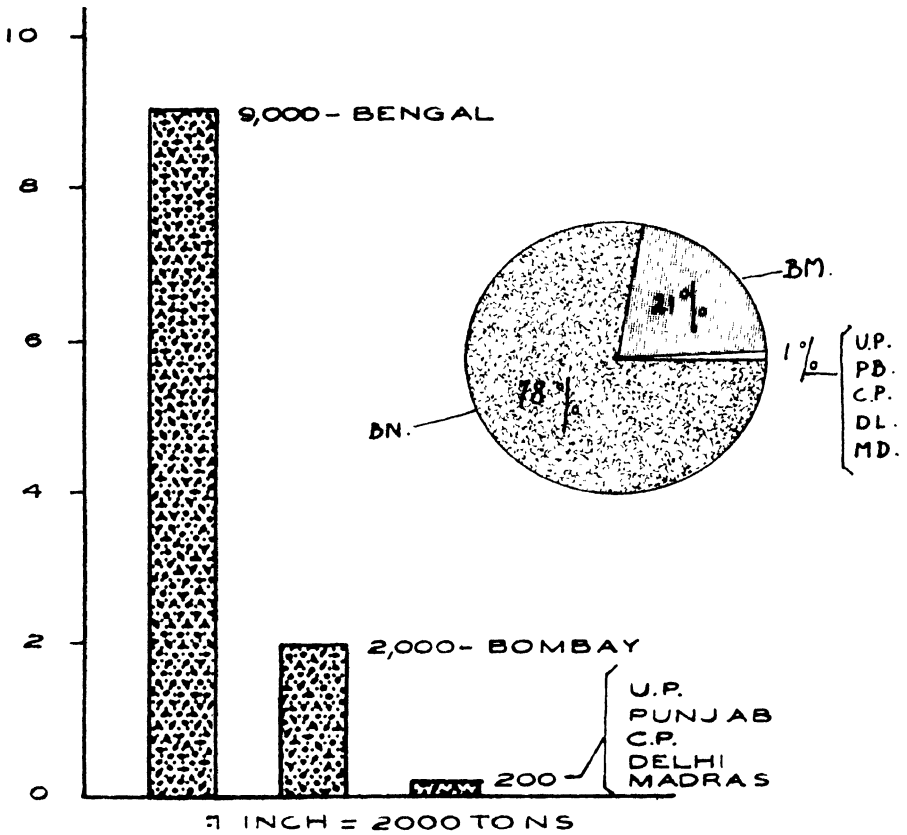


TABLE 22·10 (B).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products, used in the factory are excluded)

Province	Copper products			
	Ingots, slabs, billets, etc.	Sheets and strips	Discs and circles	Rods and bars
	8	9	10	11
	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	316	46	1	4,589
2. Bombay . . . . .	11	1,179	7	..
3. U. P. . . . .	..	..	5	..
4. East Punjab . . . . .	..	1	69	..
5. Madras, Bihar, C. P. & Berar and Delhi	6,357	85	..	..
TOTAL . . . . .	6,684	1,311	82	4,589

TABLE 22·10 (C).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products, used in the factory are excluded)

Province	Copper products			
	Wire	Copper alloys other than brass	Domestic utensils	Other copper products
	12	13	14	15
	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	3,539	..	10	465
2. Bombay . . . . .	58	482	306	340
3. U. P. . . . .	..	..	..	1
4. East Punjab . . . . .	..	..	4	..
5. Madras, Bihar, C.P. & Berar and Delhi	18	..	32	..
TOTAL . . . . .	3,615	482	352	806

TABLE 22·10 (D).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products, used in the factory are excluded)

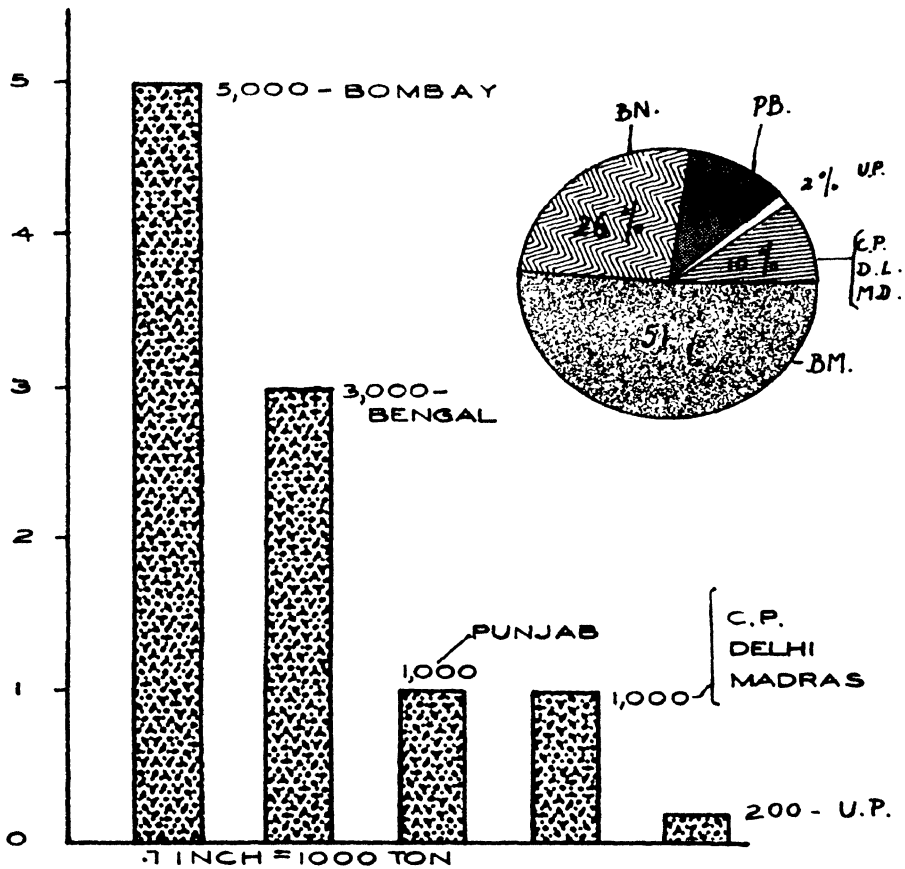
Province	Brass products			
	Ingots	Sheets and strips	Discs and circles	Rods and bars
	16	17	18	19
	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	2,074	1	47	136
2. Bombay . . . . .	454	845	272	..
3. U. P. . . . .	..	..	27	..
4. East Punjab . . . . .	..	21	271	..
5. Madras, Bihar, C. P. & Berar and Delhi	130	8,018	458	..
TOTAL . . . . .	2,658	8,885	1,075	136

TABLE 22·10 (E).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products, used in the factory are excluded)

Province	Brass products		
	Wire	Domestic utensils	Other brass products
	20	21	22
	Tons	Tons	Tons
1. West Bengal . . . . .	99	121	192
2. Bombay . . . . .	36	3,372	208
3. U. P. . . . .	..	105	109
4. East Punjab . . . . .	..	680	100
5. Madras, Bihar, C. P. & Berar and Delhi . . . . .	..	707	8
TOTAL . . . . .	135	4,985	617

# PRODUCTION OF BRASS





**TABLE 22·10 (F).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)**

(Products, used in the factory are excluded)

Province	Zinc sheets	Bell metal ingots	Gun metal	Lead	German silver ingots
	23	24	25	26	27
	Tons	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	493	121	543	72	82
2. Bombay . . . . .	4	..	202	91	..
3. U. P. . . . .	..	..	..	..	..
4. East Punjab . . . . .	..	..	..	..	..
5. Madras, Bihar, C.P. & Berar and Delhi. } ..	..	..	3	..	..
<b>TOTAL</b> . . . . .	<b>497</b>	<b>121</b>	<b>748</b>	<b>163</b>	<b>82</b>

**TABLE 22·11 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)**

(Products, used in the factory are excluded)

Province	Ingots	Aluminium products		Foil
		Sheets and strips	Discs and circles	
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	44,71,201	4,35,224	7,34,541	5,24,880
2. Bombay . . . . .	51,673	7,09,186	14,89,446	..
3. U. P. . . . .	..	..	..	..
4. East Punjab . . . . .	..	..	..	..
5. Madras, Bihar, C. P & Berar and Delhi. } 1,210	..	..	..	..
<b>TOTAL</b> . . . . .	<b>45,24,084</b>	<b>11,44,410</b>	<b>22,23,987</b>	<b>5,24,880</b>

**TABLE 22·11 (B).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)**

(Products, used in the factory are excluded)

Province	Aluminium products		
	Domestic utensils	Other aluminium products	Total aluminium products
	6	7	8
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	84,42,959	7,38,933	1,53,47,738
2. Bombay . . . . .	1,49,77,224	9,61,013	1,81,88,542
3. U. P. . . . .	1,54,359	25	1,54,384
4. East Punjab . . . . .	7,61,506	..	7,61,506
5. Madras, Bihar, C. P. & Berar and Delhi .	27,06,254	3,22,155	30,29,619
TOTAL . . . . .	2,70,42,302	20,22,126	3,74,81,789

**TABLE 22·11 (C).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)**

(Products, used in the factory are excluded)

Province	Copper products				
	Ingots, slabs, billets, etc.	Sheets and strips	Discs and circles	Rods and bars	Wire
	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	4,54,554	86,590	1,962	61,13,375	54,48,165
2. Bombay . . . . .	17,520	26,30,697	9,245	..	1,07,285
3. U. P. . . . .	..	..	8,976	..	..
4. East Punjab . . . . .	..	1,041	1,51,593	..	..
5. Madras, Bihar, C. P. & Berar and Delhi. } . . . . .	95,34,735	1,70,000	..	..	49,886
TOTAL . . . . .	1,00,06,809	28,88,328	1,71,776	61,13,375	56 05,336

TABLE 22·11 (D).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products, used in the factory are excluded)

Province	Copper products			
	Copper alloys other than brass	Domestic utensils	Other copper products	Total copper products
	14	15	16	17
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	26	39,200	13,20,062	1,34,63,934
2. Bombay . . . . .	11,03,140	9,99,524	11,65,267	60,32,678
3. U. P. . . . .	..	..	5,108	14,084
4. East Punjab . . . . .	..	8,138	..	1,60,772
5. Madras, Bihar, C. P. & Berar and Delhi } . . . . .	..	1,15,449	..	18,70,070
TOTAL . . . . .	11,03,166	11,62,311	24,90,437	2,95,41,538

TABLE 22·11 (E).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products, used in the factory are excluded)

Province	Brass products			
	Ingots	Sheets and strips	Discs and circles	Rods and bars
	18	19	20	21
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	29,39,262	5,072	95,438	2,52,638
2. Bombay . . . . .	5,35,926	17,42,174	5,71,730	68
3. U. P. . . . .	1,024	171	56,930	..
4. East Punjab . . . . .	..	43,564	6,27,390	..
5. Madras, Bihar, C. P. & Berar and Delhi. } . . . . .	1,77,360	2,39,06,856	9,16,000	..
TOTAL . . . . .	36,53,572	2,56,97,837	22,67,488	2,52,706

TABLE 22·11 (F).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products, used in the factory are excluded)

Province	Brass products			
	Wire	Domestic utensils	Other brass products	Total brass products
	22	23	24	25
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	2,28,613	4,65,896	7,15,275	47,02,194
2. Bombay . . . . .	1,24,730	95,12,576	9,13,074	1,34,00,278
3. U. P. . . . .	28	3,00,874	4,56,032	8,15,059
4. East Punjab . . . . .	..	19,78,884	2,00,000	28,49,838
5. Madras, Bihar, C. P. & Berar and Delhi. } . . . . .	..	23,61,221	71,137	2,74,32,574
TOTAL . . . . .	3,53,371	1,46,19,451	23,55,518	4,91,99,943

TABLE 22·11 (G).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products, used in the factory are excluded)

Province	Zinc sheets	Bell metal ingots	Gun metal	Lead	German silver ingots	Other products and by- products*	Total products and by- products
	26	27	28	29	30	31	32
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	4,95,427	6,68,597	12,50,753	91,692	2,10,000	22,95,520	3,85,25,855
2. Bombay . . . . .	10,000	..	8,76,962	91,157	..	80,76,707	4,66,76,324
3. U. P. . . . .	..	..	..	..	..	63,414	10,46,941
4. East Punjab . . . . .	..	..	..	..	..	11,643	37,83,759
5. Madras, Bihar, C.P. & Berar and Delhi. } . . . . .	..	..	7,044	..	..	7,75,857	4,11,15,164
TOTAL . . . . .	5,05,427	6,68,597	21,34,759	1,82,849	2,10,000	1,12,23,141	13,11,48,043

\*The corresponding quantity is not shown in Table 22·10 as all the products and by-products are not stated in the same system of units.

TABLE 22-11 (H).—TOTAL EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS

Province	Total value of products and by-products	Cost of transport of products from factory, commission to selling agents, etc., which are included in previous col.	Total ex-factory value of products and by-products
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	3,85,25,855	20,871	3,85,04,984
2. Bombay . . . . .	4,66,76,324	26,036	4,66,50,288
3. U. P. . . . .	10,46,941	9,932	10,37,009
4. East Punjab . . . . .	37,83,759	.	37,83,759
5. Madras, Bihar, C. P. & Berar and Delhi . . . . .	4,11,15,164	..	4,11,15,164
TOTAL . . . . .	13,11,48,043	56,839	13,10,91,204

TABLE 22-12.—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC., CONSUMED AND WORK DONE FOR THE INDUSTRY BY OTHER CONCERNS

Province	Fuels, electricity and lubricants	Raw-materials, chemicals, etc.	Work done for the industry by other concerns	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	11,62,226	2,74,34,855	2,02,279	2,87,99,360
2. Bombay . . . . .	11,48,890	3,37,42,141	18,50,849	3,67,41,880
3. U. P. . . . .	1,58,432	6,48,301	9,059	8,15,792
4. East Punjab . . . . .	2,79,865	30,33,957	36,471	33,50,293
5. Madras, Bihar, C.P. & Berar and Delhi . . . . .	11,24,295	1,29,22,943	2,11,267	1,42,58,505
TOTAL . . . . .	38,73,708	7,77,82,197	23,09,925	8,39,65,830

TABLE 22 ·13.—EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS AND WORK DONE BY THE INDUSTRY FOR CUSTOMERS

Province 1	Products and by-products 2	Work done for customers 3	Total 4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	3,85,04,984	1,43,500	3,86,48,484
2. Bombay . . . . .	4,66,50,288	34,49,947	5,01,00,235
3. U. P. . . . .	10,37,009	3,96,918	14,33,927
4. East Punjab . . . . .	37,83,759	1,08,939	38,92,698
5. Madras, Bihar, C. P. & Berar and Delhi . . . . .	4,11,15,164	6,89,440	4,18,04,604
TOTAL . . . . .	13,10,91,204	47,88,744	13,58,79,948

TABLE 22 ·14.—VALUE ADDED BY MANUFACTURE

Province 1	Ex-factory value of products and work done by the industry for customers 2	Ex-factory value of fuels, raw- materials, etc., consumed and work done for the industry by other concerns 3	Depreciation of fixed assets at the rate allowed for purposes of income- tax 4	Value of products less cost of materials and fuels less depreciation [col. (2) - col. (3) - col. (4)] 5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	3,86,48,484	2,87,99,360	22,03,356	76,45,768
2. Bombay . . . . .	5,01,00,235	3,67,41,880	9,09,348	1,24,49,007
3. U. P. . . . .	14,33,927	8,15,792	64,161	5,53,974
4. East Punjab . . . . .	38,92,698	33,50,293	54,266	4,88,139
5. Madras, Bihar, C. P. & Berar and Delhi. } . . . . .	4,18,04,604	1,42,58,505	8,46,397	2,66,99,702
TOTAL . . . . .	13,58,79,948	8,39,65,830	40,77,528	4,78,36,590

## CHAPTER XXVI

### 23. IRON AND STEEL



## 23. IRON AND STEEL

This group includes primary producers of iron and steel as well as rolling and re-rolling mills. Factories of the former type produce iron and steel starting with iron ore as the principal raw material. The rolling and re-rolling mills do not make iron and steel but only process iron or steel purchased from primary producers. The number of factories in the industry exceeded a hundred. Most of these were rolling or re-rolling mills, factories producing iron and steel from ore being relatively few. Primary production was confined to the two eastern provinces of Bihar and West Bengal. Of the total pig iron produced, 78 per cent. was in Bihar and the rest in West Bengal. Of the ingot steel output, 87 per cent. was in Bihar and the rest in West Bengal. The consolidated figures relate to about 90 per cent. of the factories.

The productive capital employed in the industry was nearly 31½ crores of rupees, of which 60 per cent. was in Bihar and 35 per cent. in W. Bengal. The number of factories in these two provinces was only 22 per cent. of the total number of factories. Thus 95 per cent. of the capital was employed in 22 per cent. of the factories. Three-fourths of the productive capital consisted of fixed assets.

The industry employed over 72,000 persons of whom 53 per cent. were in Bihar and 37 per cent. in W. Bengal. The large majority of workers were directly employed by factories, only 8 per cent. being employed through contractors. Women constituted 9 per cent. of the labour force. A small number of children were employed in West Bengal.

The industry produced over 14 lakhs tons of pig iron, which when further processed yielded over 12 lakhs tons of steel ingots. Pig iron and steel ingots are only intermediate products, but in view of their importance their total output (including production for further processing) are shown in Tables 23·10 (A) and 23·10(B). The production of finished steel products (excluding semi-finished products like blooms, billets, and slabs) was about nine lakhs tons.\* The main products were heavy and light structurals, rails, sheets—both black and galvanised, and plain and corrugated, plates, bars, wire, coal tar and Ammonium sulphate.

The value added by manufacture was 16 crores of rupees, of which 84 per cent. was in Bihar and 12½ per cent. in West Bengal. The average value added was about 17 lakhs of rupees per factory, 2,225/- rupees per person employed and Rs. 1/2/- per man-hour. Employees received about 42·7 per cent. of the value added, the industry's wage bill being nearly 7 crores of rupees. The average amount received by a worker as wages and other benefits was Rs. 3/3/- per day, which was probably the highest for any industry in India.

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\*The aggregate production of finished goods as shown in Tables 23·11 (A) to 23·11 (F) is 9·7 lakhs tons. But the totalling involves an element of double counting, since the product of one factory may constitute the raw material of another. In order to estimate the real production of finished steel goods it is necessary to deduct the quantity of steel goods used as raw material as shown in Tables 23·8(A) and 23·8(B). When this deduction is made, the output of finished steel goods becomes about 9 lakhs tons.



TABLE 23·1.—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns)
		Number	% <sup>as</sup> per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal	17	16	94·1	1	237
2. Bombay	19	17	89·5	..	288
3. Madras	2	2	100·0	..	258
4. U. P.	47	41	87·2	3	265
5. Bihar	6	5	83·3	..	290
6. East Punjab	12	11	91·7	1	135
7. C. P. and Berar.	..	..	..	..	..
8. Delhi	4	4	100·0	..	216
9. O issa	..	..	..	..	..
10. Assam	..	..	..	..	..
11. Ajmer-Merwara.	..	..	..	..	..
TOTAL	107	96	89·7	5	249

TABLE 23·2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province	Fixed capital			
	Land and buildings	Plant and machinery	Other fixed assets	Total
	2	3	4	5
1	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	2,32,82,737	6,25,79,512	30,52,830	8,89,15,079
2. Bombay . . . . .	5,21,371	10,19,882	92,812	16,34,065
3. U. P. . . . .	11,75,156	18,36,533	2,11,543	32,23,232
4. Bihar . . . . .	2,84,39,334	10,82,99,592	27,33,198	13,94,72,124
5. East Punjab . . . . .	88,545	1,57,345	3,543	2,49,433
6. Madras and Delhi . . . . .	2,50,644	11,52,255	16,563	14,19,462
TOTAL . . . . .	5,37,57,787	17,50,45,119	61,10,489	23,49,13,395

TABLE 23·2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital			Total productive capital employed *	Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels	Stock of products and by-products	Total*		
	6	7	8		
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,19,27,642	93,35,033	2,12,62,675	11,01,77,754	96,955
2. Bombay . . . . .	8,98,397	6,20,080	15,18,477	31,52,542	64,353
3. U. P. . . . .	20,61,532	38,36,499	58,98,031	91,21,263	36,406
4. Bihar . . . . .	3,92,36,829	1,05,12,057	4,97,48,886	18,92,21,010	4,284
5. East Punjab . . . . .	3,71,081	2,81,764	6,52,845	9,02,278	3,880
6. Madras and Delhi . . . . .	5,67,488	4,04,765	9,72,253	23,91,715	2,052
TOTAL . . . . .	5,50,62,969	2,49,90,198	8,00,53,167	31,49,66,562	2,07,930

\*Cash in hand and at banks and value of semi-finished products and materials process have been excluded, as reliable estimates of these are not available.

TABLE 23·3 (A).—NUMBER OF PERSONS EMPLOYED

Province 1	Average number of workers employed per day directly by factory			
	Men 2	Women 3	Children 4	Total 5
1. West Bengal . . . . .	17,666	735	163	18,564
2. Bombay . . . . .	1,645	35	..	1,680
3. U. P. . . . .	3,450	16	6	3,472
4. Bihar . . . . .	26,727	2,761	..	29,488
5. East Punjab . . . . .	313	..	..	313
6. Madras and Delhi . . . . .	497	6	..	503
<b>TOTAL</b> . . . . .	<b>50,298</b>	<b>3,553</b>	<b>169</b>	<b>54,020</b>

TABLE 23·3 (B).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contractors				Number of persons other than workers 10	Total number of persons employed 11
	Men 6	Women 7	Children 8	Total 9		
1. West Bengal	2,836	1,309	..	4,145	4,183	26,892
2. Bombay . . . . .	24	..	..	24	206	1,910
3. U. P. . . . .	137	..	..	137	683	4,292
4. Bihar . . . . .	364	302	..	666	8,004	38,248
5. East Punjab . . . . .	65	..	..	65	65	443
6. Madras and Delhi . . . . .	20	6	..	26	75	604
<b>TOTAL</b> . . . . .	<b>3,446</b>	<b>1,617</b>	<b>..</b>	<b>5,063</b>	<b>13,306</b>	<b>72,389</b>

TABLE 23·3 (A).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked directly for factory			
	Men	Women	Children	Total
1	2	3	4	5
1. West Bengal . . . . .	3,85,93,821	15,18,387	3,95,764	4,05,07,972
2. Bombay . . . . .	37,93,431	87,639	..	38,81,070
3. U. P. . . . .	82,50,864	38,940	15,136	83,04,940
4. Bihar . . . . .	7,27,68,480	68,75,360	..	7,96,43,840
5. East Punjab . . . . .	3,37,038	..	..	3,37,038
6. Madras and Delhi.	9,97,388	10,128	..	10,07,516
TOTAL . . . . .	12,47,41,022	85,30,454	4,10,900	13,36,82,376

TABLE 23·4 (B).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked
	Men	Women	Children	Total	
	6	7	8	9	10
1. West Bengal . . . . .	61,85,967	29,88,817	..	91,74,784	4,96,82,756
2. Bombay . . . . .	57,300	..	..	57,300	39,38,370
3. U. P. . . . .	3,15,497	..	..	3,15,497	86,20,437
4. Bihar . . . . .	8,59,040	7,12,720	..	15,71,760	8,12,15,630
5. East Punjab . . . . .	65,009	..	..	65,009	4,02,047
6. Madras and Delhi . . . . .	36,640	10,992	..	47,632	10,55,148
TOTAL . . . . .	75,19,453	37,12,529	..	1,12,31,982	14,49,14,358

TABLE 23·5 (A).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)— workers			
	Directly by factory			
	Men	Women	Children	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	72,01,401	1,46,637	27,684	73,75,722
2. Bombay . . . . .	10,24,098	10,668	..	10,34,766
3. U. P. . . . .	19,40,294	5,086	1,419	19,46,799
4. Bihar . . . . .	3,20,78,508	13,68,455	..	3,34,46,963
5. East Punjab . . . . .	1,06,472	..	..	1,06,472
6. Madras and Delhi . . . . .	2,66,898	1,854	..	2,68,752
TOTAL . . . . .	4,26,17,671	15,32,700	29,103	4,41,79,474

TABLE 23·5 (B).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)— workers			
	Through contractors			
	Men	Women	Children	Total
6	7	8	9	
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	5,93,318	1,39,246	..	7,32,564
2. Bombay . . . . .	12,738	..	..	12,738
3. U. P. . . . .	73,790	..	..	73,790
4. Bihar . . . . .	80,106	53,403	..	1,33,509
5. East Punjab . . . . .	30,259	..	..	30,259
6. Madras and Delhi . . . . .	4,683	1,145	..	5,828
TOTAL . . . . .	7,94,894	1,93,794	..	9,88,688

TABLE 23·5 (C).—SALARIES AND WAGES PAID

Province	Total salaries and wages paid		Money value of other benefits or privileges	Total salaries, wages, etc.
	Workers	Persons other than workers		
	10	11	12	13
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	81,08,286	57,81,674	4,90,481	1,43,80,441
2. Bombay . . . . .	10,47,504	2,72,977	2,435	13,22,916
3. U. P. . . . .	20,20,589	7,10,796	1,35,565	28,66,950
4. Bihar . . . . .	3,35,80,472	1,51,20,127	6,86,049	4,93,86,648
5. East Punjab . . . . .	1,36,731	51,288	.	1,88,019
Madras and Delhi	2,74,580	53,054	27,004	3,54,638
TOTAL . . . . .	4,51,68,162	2,19,89,916	13,41,534	6,84,99,612

TABLE 23·6(A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel Oils	Coal gas
1	2	3	4	5	6	7
	Tons	Tons	Mds.	Mds.	Gallons	1,000 Cub. ft
1. West Bengal	6,25,248	22,601	2,053	12,906	14,368	1,11,416
2. Bombay . . . . .	1,009	2,331	866	20,955	4,66,112	
3. U. P. . . . .	9,089	2,642	677	21,554	7,329	..
4. Bihar . . . . .	19,90,678	14	654	79,164	1,02,306	
5. East Punjab	1,462	19	40	1,030	4,356	..
6. Madras and Delhi. . . . .	} 2,458	58	..	5,436	..	..
TOTAL . . . . .	26,29,944	27,665	4,290	1,41,045	5,94,471	1,11,416

TABLE 23·6(B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)  
(Fuels, etc., produced in the factory are excluded)

Province	Electricity 8	Water 9	Lubricants	
			Oils 10	Others 11
	K.W. H.	1,000 Gallons	Gallons	Cwt.
1. West Bengal . . . . .	4,61,37,506	1,27,444	84,506	3,625
2. Bombay . . . . .	55,27,668	5,545	2,294	96
3. U. P. . . . .	94,53,267	687	8,257	230
4. Bihar . . . . .	2,79,29,571	2,25,004	2,94,798	9,356
5. East Punjab . . . . .	2,61,050	..	1,777	19
6. Madras and Delhi . . . . .	8,64,369	..	747	37
TOTAL . . . . .	9,01,73,431	3,58,680	3,92,379	13,363

TABLE 23·7(A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel oils	Coal gas
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	88,88,655	5,60,694	8,168	13,098	20,757	2,99,397
2. Bombay . . . . .	40,451	1,26,437	1,892	39,058	1,37,496	..
3. U. P. . . . .	2,33,634	1,19,727	4,100	36,690	6,936	..
4. Bihar . . . . .	3,32,00,119	553	2,079	55,140	43,834	..
5. East Punjab . . . . .	40,850	493	210	2,424	3,703	..
6. Madras and Delhi . . . . .	82,347	3,384	..	8,980	..	..
TOTAL . . . . .	4,24,86,056	8,11,288	16,449	1,55,390	2,12,726	2,99,397

TABLE 23·7(B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)  
(Fuels, etc. produced in the factory are excluded)

Province	Other fuels	Electricity	Water	Lubricants		Total fuels, etc. consumed
				Oils	Others	
				8	9	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	4,37,230	11,03,421	63,722	2,95,952	2,18,157	1,19,09,251
2. Bombay .	987	1,32,717	4,974	7,220	4,041	4,95,273
3. U. P. .	320	4,50,669	483	32,736	13,219	8,98,514
4. Bihar .	6,89,102	8,07,478	1,12,502	6,63,770	4,13,084	3,59,87,661
5. East Punjab .	375	18,123	..	5,776	974	72,928
6. Madras and Delhi .	..	44,221	..	2,249	2,170	1,43,351
TOTAL .	11,28,014	25,56,629	1,81,681	10,07,703	6,51,645	4,95,06,978

TABLE 23·8(A).—MATERIALS PURCHASED AND CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Principal materials				
	Iron ore	Iron and steel			
		Pig iron	scrap	Steel ingots	Blooms, billets and slabs
1	2	3	4	5	6
	Tons	Tons	Tons	Tons	Tons
1. West Bengal . . .	5,19,328	1,70,043	36,112	8	13,239
2. Bombay . . .	..	2,703	9,412	..	2,467
3. U. P. . . .	..	5,889	11,844	46	4,687
4. Bihar . . . .	18,53,885	..	..	..	40,091
5. East Punjab . . .	..	..	1,459	..	729
6. Madras and Delhi . .	..	49	404	..	8,303
TOTAL . . .	23,73,213	1,78,684	59,231	53	69,516

TABLE 23.8 (B).—MATERIALS PURCHASED AND CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Principal materials			
	Iron and steel			Other principal materials
	Bars	Other iron and steel products	Total iron and steel products	Aluminium
	7	8	9	10
	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	488	2,324	2,22,214	13
2. Bombay . . . . .	98	315	14,995	Nomina l
3. U. P. . . . .	863	4,477	27,805	1
4. Bihar . . . . .	74,266	3,262	1,17,619	109
5. East Punjab . . . . .	..	472	2,660	..
6. Madras and Delhi . . . . .	..	208	8,964	
TOTAL . . . . .	75,715	11,058	3,94,257	12

TABLE 23.8 (C).—MATERIALS PURCHASED AND CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Principal materials				
	Other principal materials				
	Tin	Spelter	Limestone	Sulphur ore	Manganose ore
	11	12	13	14	15
	Tons	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	7	1,936	1,46,585	384	16,457
2. Bombay . . . . .	Nominal	..	125	..	..
3. U. P. . . . .	6	13	285	..	52
4. Bihar . . . . .	522	6,999	5,52,313	5,417	38,747
5. East Punjab . . . . .	..	..	..	..	..
6. Madras and Dolhi . . . . .	..	..	..	..	6
TOTAL . . . . .	535	8,948	6,99,308	5,801	55,262

TABLE 23·8 (D).—MATERIALS PURCHASED AND CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Principal materials				
	Other principal materials				
	Chrome ore 16	Dolomite rock 17	Magnesite 18	Ferro-silicon 19	Ferro-chrome 20
	Tons	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	466	17,079	201	322	..
2. Bombay . . . . .	..	89	89	..	..
3. U. P. . . . .	..	718	53	..	..
4. Bihar . . . . .	1,468	55,065	7,021	2,369	184
5. East Punjab . . . . .	..	..	..	..	..
6. Madras and Delhi . . . . .	..	..	..	..	..
TOTAL . . . . .	1,934	72,951	7,364	2,691	184

TABLE 23·8 (E).—MATERIALS PURCHASED AND CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Chemicals		Packing materials	
	Sulphuric acid 21	Sulphur 22	Gunny bags 23	Timber 24
	Tons	Tons	Tons	Cub. ft.
1. West Bengal . . . . .	1,608	1,550	25	37,695
Bombay . . . . .	Nominal	..	Nominal	840
3. U. P. . . . .	Nominal	..	15	1,859
4. Bihar . . . . .	762	924	248	62,772
5. East Punjab . . . . .	..	..	..	..
6. Madras and Delhi . . . . .	..	..	..	..
TOTAL . . . . .	2,370	2,474	288	1,03,16

TABLE 23·9 (A).—MATERIALS PURCHASED AND CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Principal materials				
	Iron ore	Iron and steel			
		Pig iron	Scrap	Steel ingots	Blooms, billets and slabs
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	34,79,394	81,71,016	23,02,647	15,063	22,00,029
2. Bombay . . . . .	..	2,94,364	7,64,340	..	4,24,040
3. U. P. . . . .	..	6,09,952	10,69,623	11,745	10,64,725
4. Bihar . . . . .	80,75,553	..	..	..	81,55,790
5. East Punjab . . . . .	..	..	3,31,879	..	1,21,356
6. Madras and Delhi . . . . .	..	7,064	91,252	..	15,06,352
TOTAL . . . . .	1,15,54,947	90,82,396	45,59,741	26,808	1,34,72,

TABLE 23·9 (B).—MATERIALS PURCHASED AND CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Principal materials				
	Iron and steel			Other principal materials	
	Bars	Other iron and steel products	Total	Aluminium	Tin
7	8	9	10	11	
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,45,457	7,62,558	1,35,96,770	41,941	39,013
2. Bombay . . . . .	27,425	1,12,957	16,23,126	147	1,125
3. U. P. . . . .	1,78,507	11,51,289	40,85,841	2,456	33,413
4. Bihar . . . . .	1,39,62,784	10,80,155	2,31,98,729	1,79,987	31,14,916
5. East Punjab . . . . .	..	1,03,719	5,56,954	..	..
6. Madras and Delhi . . . . .	..	31,210	16,35,878	..	..
TOTAL . . . . .	1,43,14,173	32,41,888	4,46,97,298	2,24,531	31,88,467

TABLE 23·9 (C).—MATERIALS PURCHASED AND CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Principal materials				
	Other principal materials				
	Spelter	Lime- stone	Sulphur ore	Manganese ore	Chrome ore
	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	12,08,502	10,33,804	33,266	2,07,562	33,405
2. Bombay . . . . .	..	2,373	..	..	..
3. U. P. . . . .	8,342	16,832	..	20,488	..
4. Bihar . . . . .	43,83,019	29,43,369	9,90,429	6,46,683	1,09,557
5. East Punjab . . . . .	..	..	..	..	..
6. Madras and Delhi . . . . .	..	..	..	1,456	..
TOTAL . . . . .	55,99,863	39,96,378	10,23,695	8,76,189	1,42,962

TABLE 23·9 (D).—MATERIALS PURCHASED AND CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Principal materials					
	Other principal materials					
	Dolomite rock	Magnesite	Ferro- silicon	Ferro- chrome	All other principal materials*	Total of 'all other prin- cipal materials'
	17	18	19	20	21	22
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	1,55,208	84,833	2,62,384	..	43,90,052	74,89,970
2. Bombay . . . . .	1,958	45,123	..	..	2,65,265	3,15,991
3. U. P. . . . .	18,348	5,728	..	..	7,15,522	8,21,129
4. Bihar . . . . .	4,61,573	4,14,462	17,67,405	1,65,885	9,62,901	1,61,40,186
5. East Punjab	..	..	..	..	..	..
6. Madras and Delhi . . . . .	..	..	..	..	91,883	93,339
TOTAL . . . . .	6,37,087	5,50,146	20,29,789	1,65,885	64,25,623	2,48,60,615

\*The corresponding quantity has not been shown in Table 23·8 as all the materials are not reported in the same system of units.

TABLE 23-9 (E).—MATERIALS PURCHASED AND CONSUMED  
(VALUE).

(Materials produced in the factory are excluded)

Province	Chemicals			
	Sulphuric acid 23	Sulphur 24	All other chemicals* 25	Total 26
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . .	2,95,042	3,34,103	1,63,347	7,92,492
2. Bombay . . . . .	195	..	2,304	2,499
3. U. P. . . . .	27	..	1,431	1,458
4. Bihar . . . . .	1,70,025	1,92,387	1,90,394	5,52,806
5. East Punjab . . . .	..	..	..	..
6. Madras and Delhi . .	..	..	..	..
TOTAL . . . . .	4,65,289	5,26,490	3,57,472	13,49,255

\*The corresponding quantity has not been shown in Table 23-8 as those "all other chemicals" are not reported in the same system of units.

TABLE 23-9 (F).—MATERIALS PURCHASED AND CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Packing materials				Other materials including consumable stores.	Total materials purchased and consumed
	Gunny bags	Timber	All other packing materials	Total of packing materials		
	27	28	29	30		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	23,566	3,01,149	1,57,199	4,81,914	44,35,168	3,02,75,708
2. Bombay . . . . .	370	9,273	12,340	21,983	2,56,204	22,19,803
3. U. P. . . . .	9,638	5,765	2,570	17,973	2,05,774	51,32,175
4. Bihar . . . . .	2,37,993	1,84,740	92,214	5,14,947	1,84,13,565	6,68,95,786
5. East Punjab	..	..	..	..	10,516	5,67,470
6. Madras and Delhi.	} ..	..	..	..	25,483	17,54,700
TOTAL . . . . .		2,71,567	5,00,927	2,64,323	10,36,817	2,33,46,710

† The corresponding quantity is not shown in Table 23-8 as all the materials are not reported in the same system of units.

TABLE 23-9 (G).—TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED

Province	Total value of materials purchased and consumed	Cost of transport of materials to the factory, commission to purchasing agents, etc., which are not included in the previous column	Total ex-factory value of materials purchased and consumed
	Rs	Rs	Rs.
1. West Bengal . . . . .	3,02,75,708	8,499	3,02,84,207
2. Bombay . . . . .	22,19,803	21,816	22,41,619
3. U. P. . . . .	51,22,175	8,695	51,40,87
4. Bihar . . . . .	6,68,95,786	..	6,68,95,786
5. East Punjab . . . . .	5,67,470	14,745	5,82,216
6. Madras and Delhi . . . . .	17,54,700	.	17,54,700
TOTAL . . . . .	10,68,45,642	53,755	10,68,99,397

TABLE 23.10 (A).—TOTAL PRODUCTION OF PIG IRON, WHETHER FOR SALE OR FOR FURTHER MANUFACTURE (QUANTITY)

Province	Pig iron			
	Basic	Foundry	Others	Total
1	2	3	4	5
	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	71,58	2,35,054	1,197	3,07,833
2. Bombay . . . . .	..	..	..	.
3. U. P. . . . .	.	.	.	..
4. Bihar . . . . .	1,57,613	36,272	9,16,157	11,10,042
5. East Punjab . . . . .	..	.	..	..
6. Madras and Delhi . . . . .	} .	..	..	..
TOTAL . . . . .	2,29,195	2,71,326	9,17,354	14,17,875

# PRODUCTION OF

## PIG IRON

## STEEL INGOTS

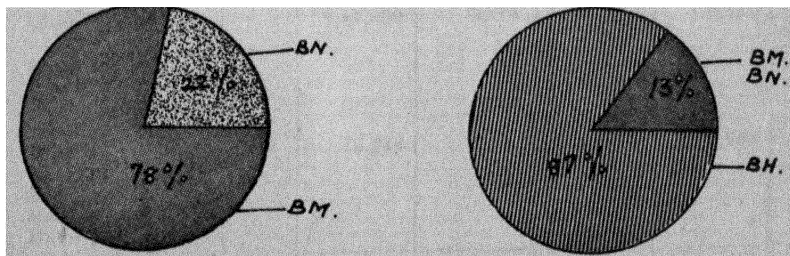
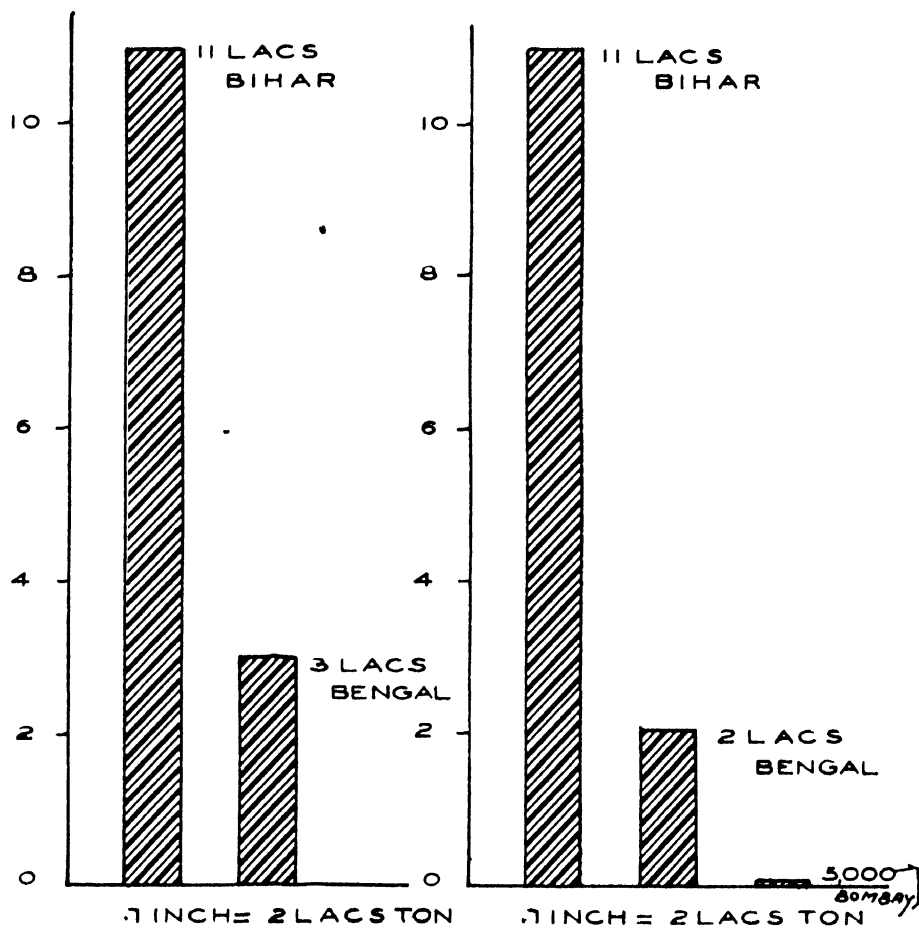




TABLE 23-10 (B).—TOTAL PRODUCTION OF INGOT STEEL, AND STEEL BLOOMS, BILLETS AND SLABS WHETHER FOR SALE OR FOR FURTHER MANUFACTURE (QUANTITY)

Province	Steel ingots					Blooms, billets and slabs
	Plain carbon steel	Ferro-alloy steel	Other alloy steels and special steels	Tool steel	Total	
	6	7	8	9	10	
	Tons	Tons	Tons	Tons	Tons	Tons
1. West Bengal	1,52,435	..	..	2	1,52,437	1,21,349
2. Bombay	4,586	..	300	5	5,3	4,667
3. U.P.	..	..	..	..	..	..
4. Bihar	10,43,784	7,741	232	412	10,52,169	8,44,882
5. East Punjab	..	..	..	..	..	..
6. Madras and Delhi	..	..	..	..	..	..
TOTAL	12,00,805	7,741	532	839	12,09,917	9,70,898

TABLE 23-11(A) PRODUCTS AND BY-PRODUCTS FOR SALE (QUANTITY)  
(Products used in the factory are excluded)

Province	Iron and steel				
	Pig iron	Steel ingots	Blooms, billets and slabs	Heavy structurals (excluding rails and fish-plates)	Light structurals (excluding rails and fish-plates)
	2	3	4	5	6
1	Tons	Tons	Tons	Tons	Tons
1. West Bengal	2,47,039	5,698	22,390	3,559	7,763
2. Bombay	..	425	..	..	..
3. U. P.	..	..	..	..	12
4. Bihar	70,248	..	82,615	69,956	37,057
5. East Punjab	..	..	..	..	..
6. Madras and Delhi	..	..	..	..	..
TOTAL	3,17,287	6,123	1,05,005	73,515	44,832

TABLE 23·11 (B).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Iron and steel				
	Rails	Fish-plates	Sleepers	Tim-plate	Terne plate
	7	8	9	10	11
	Tons	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	10,818	..	18,962	..	..
2. Bombay . . . . .	..	..	..	..	..
3. U. P. . . . .	20	..	..	..	..
4. Bihar . . . . .	99,044	4,821	27,151	26,864	1,336
5. East Punjab . . . . .	..	..	..	..	..
6. Madras and Delhi . . . . .	..	..	..	..	..
<b>TOTAL</b> . . . . .	1,09,882	4,821	46,113	26,864	1,336

TABLE 23·11 (C).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Iron and steel				
	Black plate	Black plain	Sheets, corrugated	Galvanisod plain	Sheets corrugated
	12	13	14	15	16
	Tons	Tons	Tons	Tons	Tons
1 West Bengal . . . . .	..	9,991	2,227	2,791	19,792
2. Bombay . . . . .	..	..	..	..	..
3. U. P. . . . .	..	..	..	..	..
4. Bihar . . . . .	30,050	68,573	10,999	20,028	55,049
5. East Punjab . . . . .	..	..	..	..	..
6. Madras and Delhi . . . . .	..	..	..	..	..
<b>TOTAL</b> . . . . .	30,050	78,564	13,226	22,819	74,841

TABLE 23·11 (D).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Iron and steel			
	Plates	Tin-bars	Other bars	Rods
	17	18	19	20
	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	8,336	373	34,569	6,757
2. Bombay . . . . .	..	..	4,226	688
3. U. P. . . . .	..	804	2,499	4,106
4. Bihar . . . . .	55,602	70,743	1,41,387	12,442
5. East Punjab . . . . .	..	140	418	1,019
6. Madras and Delhi . . . . .	..	39	5,331	2,677
<b>TOTAL</b> . . . . .	<b>63,938</b>	<b>72,099</b>	<b>1,88,430</b>	<b>27,689</b>

TABLE 23·11 (E).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Iron and steel			
	Bolts, nuts, washers and rivets	Wire	Hoops	Pipes and tubes
	21	22	23	24
	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	33	..	..	25,836
2. Bombay . . . . .	76	..	79	79
3. U. P. . . . .	1	Nominal	5,771	239
4. Bihar . . . . .	1,329	20,245	..	..
5. East Punjab . . . . .	..	..	516	..
6. Madras and Delhi . . . . .	..	..	..	..
<b>TOTAL</b> . . . . .	<b>1,439</b>	<b>20,245</b>	<b>6,366</b>	<b>26,154</b>

TABLE 23.11 (F).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Iron and steel				
	Wheels	Tyres	Axles	Wheels and axles, complete sets	Other iron and steel products
	25	26	27	28	29
	Tons	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	..	..	..	..	9,602
2. Bombay . . . . .	..	..	..	..	3,181
3. U. P. . . . .	..	..	..	..	9,772
4. Bihar . . . . .	3,810	7,538	1,814	4,875	52
5. East Punjab . . . . .	..	..	..	..	..
6. Madras and Delhi . . . . .	..	..	..	..	56
TOTAL . . . . .	3,810	7,538	1,814	4,875	22,633

TABLE 23.11 (G).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Scrap	Defec- tives and cuttings	Coal tar	Sulphate of ammon a	Electrical energy
	30	31	32	32	34
	Tons	Tons	Tons	Tons	K. W. H.
1. West. Bengal. . . . .	980	12,174	12,744	2,855	2,76,74,518
2. Bombay . . . . .	35	65	..	..	..
3. U. P. . . . .	48	748	..	..	..
4. Bihar . . . . .	48,221	14,873	12,048	14,428	3,25,81,652
5. East Punjab. . . . .	5	44	..	..	..
6. Madras and Delhi . . . . .	..	383	..	..	..
TOTAL . . . . .	49,289	28,287	24,792	17,283	6,02,56,270

TABLE 23·12 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Iron and Steel				
	Pig iron	Steel ingots	Blooms, billets and slabs	Heavy structurals (excluding rails and (fish-plates)	Light structurals <sup>8</sup> (excluding rails and fish-plates)
	1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	1,51,28,307	8,01,162	43,35,401	8,66,230	20,34,976
2. Bombay .	..	1,57,853	..	..	..
3. U. P. . . .	..	..	..	..	4,003
4. Bihar . . .	54,88,125	..	1,56,06,262	1,52,06,685	80,80,742
5. East Punjab .	..	..	..	..	..
6. Madras and Delhi	} ..	..	..	..	..
TOTAL .	2,06,16,432	9,59,015	1,99,41,663	1,60,72,915	1,01,19,721 <sub>3</sub>

TABLE 23·12 (B).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Iron and steel				
	Rails	Fish-plates	Sleepers	Tin-plate	Terne-plate
	7	8	9	10	11
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	26,89,535	..	38,00,000	..	..
2. Bombay .	..	..	..	..	..
3. U. P. . . .	4,049	..	..	..	..
4. Bihar . . .	2,22,87,480	15,35,765	59,44,372	1,47,27,520	6,84,755
5. East Punjab .	..	..	..	..	..
Madras and Delhi	} ..	..	..	..	..
TOTAL .	2,49,81,064	15,35,765	97,44,372	1,47,27,520	6,84,755

TABLE 23·12 (C).— PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Iron and steel				
	Black plate	Black sheets		Galvanised sheets, plain	Galvanised sheets, corrugated
		Plain	Corrugated		
12	13	14	15	16	
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	..	27,13,407	7,64,343	10,41,506	66,38,038
2. Bombay . . . . .	..	..	..	..	..
3. U. P. . . . .	..	..	..	..	..
4. Bihar . . . . .	1,34,16,561	1,83,08,991	30,02,727	65,84,205	1,70,65,190
5. East Punjab . . . . .	..	..	..	..	..
6. Madras and Delhi . . . . .	} ..	} ..	} ..	} ..	} ..
TOTAL . . . . .	1,34,16,561	2,10,22,398	37,67,070	76,25,711	2,37,03,228

TABLE 23·12 (D).— PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Iron and steel				
	Plates	Tin bars	Other bars	Rods	Bolts, nuts, washers and rivets
	17	18	19	20	21
	Rs	Rs.	Rs.	Rs	Rs.
1. West Bengal	21,83,472	98,750	91,50,145	20,13,839	19,636
2. Bombay . . . . .	..	..	12,53,765	2,62,115	1,12,855
3. U. P. . . . .	..	2,87,832	7,60,047	13,41,665	1,486
4. Bihar . . . . .	1,23,12,368	1,32,20,098	3,15,55,811	32,97,130	13,61,082
5. East Punjab . . . . .	..	52,500	1,34,794	3,89,351	..
6. Madras and Delhi . . . . .	} ..	} 10,824	} 13,50,825	} 7,78,374	} ..
TOTAL . . . . .	1,44,95,840	1,36,70,004	4,42,05,387	80,82,474	14,95,059

TABLE 23·12 (E).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Iron and steel				
	Wire	Hoops	Pipes and tubes	Wheels	Tyres
	22	23	24	25	26
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	..	..	60,30,818	..	..
2. Bombay	..	17,775	41,240	..	..
3. U. P.	46	36,51,966	78,491	..	..
4. Bihar	1,11,01,242	..	..	34,23,761	42,86,295
5. East Punjab	..	1,93,821	..	..	..
6. Madras and Delhi	..	..	..	..	..
<b>TOTAL</b>	1,11,01,288	38,63,562	61,50,549	34,23,761	42,86,295

TABLE 23·12 (F).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Iron and steel				Scrap
	Axles	Wheels and axles, complete sets	Other iron and steel products	Total	
	27	28	29	30	
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	..	..	33,41,861	6,36,51,426	97,890
2. Bombay	..	..	22,89,292	41,34,895	3,520
3. U. P.	..	..	23,47,348	84,76,933	2,940
4. Bihar	13,47,575	46,65,375	81,676	23,45,91,793	60,83,929
5. East Punjab	..	..	..	7,70,466	208
6. Madras and Delhi	..	..	42,655	21,82,678	..
<b>TOTAL</b>	13,47,575	46,65,375	81,02,832	31,38,08,191	61,88,487

TABLE 23·12 (G).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Defectives and cuttings	Coal tar	Sulphate of ammonia	Electrical energy	All other products and by-products*	Total products and by-products
	32	33	34	35	36	37
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	31,84,087	6,84,356	6,53,974	5,54,957	41,19,730	7,29,46,420
2. Bombay . . .	9,130	..	..	..	1,12,041	42,59,586
3. U. P. . . . .	1,60,952	..	..	..	3,81,940	90,22,765
4. Bihar . . . .	30,73,325	6,12,189	30,58,736	10,18,177	11,17,440	24,95,55,589
5. East Punjab	12,806	..	..	..	95,884	8,79,364
6. Madras and Delhi	71,170	..	..	..	1,04,583	23,58,431
TOTAL . . . . .	65,11,470	12,96,545	37,12,710	15,73,134	59,31,618	33,90,22,153

\*The corresponding quantity is not shown in Table 23·11 as all these 'other products and by-products' are not reported in the same system of units.

TABLE 23·12 (H).—TOTAL EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS

Province	Total products and by-products	Cost of transport of products from factory, commission to selling agents, etc., which are included in previous column	Total ex-factory value of products and by-products
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . .	7,29,46,420	29,37,291	7,00,09,129
2. Bombay . . . .	42,59,586	1,513	42,58,073
3. U. P. . . . .	90,22,765	1,695	90,21,070
4. Bihar . . . . .	24,95,55,589	..	24,95,55,589
5. East Punjab . . .	8,79,364	..	8,79,364
6. Madras and Delhi	23,58,431	..	23,58,431
TOTAL . . . . .	33,90,22,155	29,40,499	33,60,81,656

TABLE 23·13.—EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS AND WORK DONE BY THE INDUSTRY FOR CUSTOMERS

Province 1	Products and by-products 2	Work done for customers 3	Total 4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	7,00,09,129	32,781	7,00,41,910
2. Bombay . . . . .	42,58,073	1,18,334	43,76,407
3. U. P. . . . .	90,21,070	2,06,516	92,27,586
4. Bihar . . . . .	24,95,55,589	7,81,283	25,03,36,872
5. East Punjab . . . . .	8,79,364	..	8,79,364
6. Madras and Delhi . . . . .	23,58,431	13,036	23,71,467
TOTAL . . . . .	33,60,81,656	11,51,950	33,72,33,606

TABLE 23·14.—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC., CONSUMED AND WORK DONE FOR THE INDUSTRY BY OTHER CONCERNS

Province 1	Fuels, electricity and lubricants 2	Raw materials, chemicals, etc. 3	Work done for the industry by other concerns 4	Total 5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,19,09,251	3,02,84,207	4,127	4,21,97,585
2. Bombay . . . . .	4,95,273	22,41,619	37,455	27,74,347
3. U. P. . . . .	8,98,514	51,40,870	49,035	60,88,419
4. Bihar . . . . .	3,59,87,661	6,68,95,786	.	10,28,83,447
5. East Punjab . . . . .	72,928	5,82,215	.	6,55,143
6. Madras and Delhi . . . . .	1,43,351	17,54,700	1,852	18,99,903
TOTAL . . . . .	4,95,06,978	10,68,99,397	92,469	15,64,98,844

TABLE 23.15.— VALUE ADDED BY MANUFACTURE

Province	Ex-factory value of products and work done by the industry for customers	Ex-factory value of fuels, raw materials etc., consumed and work done for the industry by other concerns	Depreciation of fixed assets at the rate allowed for purposes of income-tax	Value of products less cost of materials and fuels less depreciation [Col. (2) — Col. (3) — Col. (4)]
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	7,00,41,910	4,21,97,585	76,05,254	2,02,39,071
2. Bombay . . . . .	43,76,407	27,74,347	1,33,628	14,68,432
3. U. P. . . . .	92,27,586	60,88,419	2,55,103	28,84,064
4. Bihar . . . . .	25,03,36,872	10,28,83,447	1,24,15,916	13,50,37,509
5. East Punjab . . . . .	8,79,364	6,55,143	20,369	2,03,852
6. Madras and Delhi . . . . .	23,71,467	18,99,903	1,28,756	3,42,808
TOTAL . . . . .	33,72,33,606	15,64,98,844	2,05,59,026	16,01,75,736

## CHAPTER XXVII

### 24. BICYCLES



## 24. BICYCLES

This is a very small industry with 5 factories, 2 in Bombay and one each in West Bengal, Bihar and Delhi. The consolidated figures relate to all the 5 factories.

The productive capital employed was over 44 lakhs of rupees or nearly 9 lakhs of rupees per factory. Fixed capital accounted for 57% of the total productive capital. The industry employed over 1,700 persons. Most of the workers were men and were directly employed by factories.

The chief materials used were steel and rubber tyres and tubes. The main products were bicycles, tricycles and components and spares.

The value added by manufacture was over 23 lakhs of rupees or over 4½ lakhs of rupees per factory, 1,342 rupees per person employed and 11 annas per man-hour. Employees received 57% of the value added as salaries, wages and other benefits. The average amount received by a worker per day as wages and other benefits was Rs. 2-11-0.



TABLE 24·1.—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns)
		Number	% per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal .	1	1	100	..	276
2. Bombay .	2	2	100	..	276
3. Madras .	..	..	..	..	..
4. U. P. .	..	..	..	..	..
5. Bihar .	1	1	100	..	254
6. East Punjab .	..	..	..	..	..
7. C. P. & Berar .	..	..	..	..	..
8. Delhi .	1	1	100	..	70
9. Orissa .	..	..	..	..	..
10. Assam .	..	..	..	..	..
11. Ajmer-Merwara.	} ..	..	..	..	..
TOTAL .	5	5	100	..	230

TABLE 24.2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province	Fixed capital			
	Land and buildings	Plant and machinery	Other fixed assets	Total
	2	3	4	5
1				
	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	} 4,91,991	18,08,701	2,01,835	25,02,527
Bombay . . . . .				
Bihar . . . . .				
Delhi . . . . .				

TABLE 24.2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital			Total productive Capital employed*	Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels	Stock of products and by-products	Total*		
	6	7	8		
	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	} 8,49,393	10,72,340	19,21,733	44,24,260	13,826
Bombay . . . . .					
Bihar . . . . .					
Delhi . . . . .					

\*Cash in hand and at banks and value of semi-finished products and materials in process have been excluded, as reliable estimates of these are not available.

TABLE 24.3 (A).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day directly by factory			
	Men	Women	Children	Total
	2	3	4	5
West Bengal . . . . .	1,547	..	4	1,551
Bombay . . . . .				
Bihar . . . . .				
Delhi . . . . .				

TABLE 24.3 (B).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contract				Number of persons other than workers	Total number of persons employed
	Men	Women	Children	Total		
	6	7	8	9		
West Bengal . . . . .	..	..	..	..	196	1,747
Bombay . . . . .						
Bihar . . . . .						
Delhi . . . . .						

TABLE 24.4 (A).— NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked directly for factory			
	Men	Women	Children	Total
1	2		4	5
West Bengal . . . . .	33,88,715	..	2,240	33,90,955
Bombay . . . . .				
Bihar . . . . .				
Delhi . . . . .				

TABLE 24.4 (B).— NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked
	Men	Women	Children	Total	
	6	7	8	9	10
West Bengal . . . . .	..	..	..	..	33,90,955
Bombay . . . . .					
Bihar . . . . .					
Delhi . . . . .					

TABLE 24.5 (A).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers							
	Directly by factory				Through contractors			
	Men	Women	Children	Total	Men	Women	Children	Total
1	2	3	4	5	6	7	8	9
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	9,43,521	..	190	9,43,711	..	..	..	..
Bombay . . . . .								
Bihar . . . . .								
Delhi . . . . .								

TABLE 24.5 (B).—SALARIES AND WAGES PAID

Province	Total salaries and wages paid		Money value of other benefits or privileges	Total salaries, wages, etc.
	Workers	Persons other than workers		
	10	11	12	13
	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	9,43,711	3,75,322	19,852	13,38,885
Bombay . . . . .				
Bihar . . . . .				
Delhi . . . . .				

TABLE 24·6 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel oils	Coal gas
1	2	3	4	5	6	
	Tons	Tons	Mds.	Mds.	Gallons	1000 Cub. ft.
West Bengal	} 453	48	2,299	..	28,170	2,707
Bombay						
Bihar						
Delhi						

TABLE 24·6 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Electricity	Water	Lubricants	
			oils	Others
	8	9	10	11
	K. W. H.	1,000 Gallons	Gallons	Cwt.
West Bengal	} 8,04,006	3,121	4,969	9
Bombay				
Bihar				
Delhi				

TABLE 24·7 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel oils	Coal gas	Other fuels
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal	16,797	3,105	9,866	..	9,480	1,137	..
Bombay							
Bihar							
Delhi							

TABLE 24·7 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Electricity	Water	Lubricants		Total fuel, etc., consumed
			Oils	Others	
	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal . . .	51,890	2,731	18,881	580	1,14,467
Bombay . . .					
Bihar . . .					
Delhi . . .					

TABLE 24·8—MATERIALS CONSUMED  
(QUANTITY)  
(Materials, produced in the factory and excluded)

Province 1	Basic materials			Packing materials
	Steel 2 Tons	Tyres, rubber 3 No.	Tubes, rubber 4 No.	Wooden crates 5 No.
West Bengal . . . .	726	59,956	60,426	2,619
Bombay . . . .				
Bihar . . . .				
Delhi . . . .				

TABLE 24·9 (A).—MATERIALS CONSUMED

(VALUE)

(Materials produced in the factory are excluded)

Province	Basic materials				
	Steel	Tyres, rubber	Tubes, rubber	Other basic materials	Total basic materials
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal .	} 4,41,968	} 1,74,786	} 86,321	} 4,74,745	} 11,77,820
Bombay					
Bihar . . .					
Delhi . . .					

TABLE 24·9 (B).—MATERIALS CONSUMED

(VALUE)

(Materials produced in the factory are excluded)

Province	Chemicals*	Packing materials		
		Wooden crates	Other packing materials*	Total packing materials
	7	8	9	10
	Rs.	Rs.	Rs.	Rs.
West Bengal . . . .	} 1,00,462	} 66,505	} 31,240	} 97,745
Bombay . . . .				
Bihar . . . .				
Delhi . . . .				

\*The corresponding quantity is not shown in Table 24·8 as all the materials are not reported in the same system of units.

TABLE 24.9 (C).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Other materials*	Total materials consumed
	11	12
	Rs.	Rs.
West Bengal . . . . .	} 1,80,976	15,57,003
Bombay . . . . .		
Bihar . . . . .		
Delhi . . . . .		

TABLE 24.9 (D).—TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED

Province	Total value of materials consumed	Cost of transport of materials to factory, commission to purchasing agents, etc., which are not included in previous column	Total ex-factory value of materials consumed
1	2	3	4
	Rs.	Rs.	Rs.
West Bengal . . . . .	} 15,57,003	482	15,57,487
Bombay . . . . .			
Bihar . . . . .			
Delhi . . . . .			

\*The corresponding quantity is not shown in Table 24.8 as all the materials are not reported in the same system of units.

TABLE 24.10.—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Bicycles, complete			Tricycles	Bicycle components and spares
	Men's	Women's	Children's		
1	2	3	4	5	6
	No.	No.	No.	No.	No.
West Bengal . . . . .	} 42,958	25	..	7,667	36,26,329
Bombay . . . . .					
Bihar . . . . .					
Delhi . . . . .					

TABLE 24.11 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Bicycles, complete			
	Men's	Women's	Children's	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	} 34,85,432	3,500	..	34,88,932
Bombay . . . . .				
Bihar . . . . .				
Delhi . . . . .				

TABLE 24.11 (B).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products used in the factory are excluded)

Province	Tricycles	Bicycle components and spares	Other products and by-products*	Total products and by-products
	6	7	8	9
	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	} 1,78,934	6,94,004	75,191	44,37,061
Bombay . . . . .				
Bihar . . . . .				
Delhi . . . . .				

\*The corresponding quantity is not shown in Table 24.10 as all the products and by-products are not reported in the same system of units.

TABLE 24.11 (C).—TOTAL EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS

Province  1	Total value of products and by-products.  2	Cost of transport of products to factory, commission to selling agents, etc., which are included in the previous column  3	Total ex-factory value of products and by-products  4
	Rs.	Rs.	Rs.
West Bengal . . . . .	} 44,37,061	2,72,132	41,64,929
Bombay . . . . .			
Bihar . . . . .			
Delhi . . . . .			

**TABLE 24.12.—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC., CONSUMED AND WORK DONE FOR THE INDUSTRY BY OTHER CONCERNS**

Province	Fuels, electricity and lubricants	Raw materials, chemicals, etc.	Work done for the industry by other concerns	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	} 1,14,467	15,57,485	8,498	16,80,450
Bombay . . . . .				
Bihar and . . . . .				
Delhi . . . . .				

**TABLE 24.13.—EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS AND WORK DONE BY THE INDUSTRY FOR CUSTOMERS**

Province	Products and by-products	Work done for customers	Total
1	2	3	4
	Rs.	Rs.	Rs.
West Bengal . . . . .	} 41,64,929	23,280	41,88,209
Bombay . . . . .			
Bihar . . . . .			
Delhi . . . . .			

**TABLE 24. 14.—VALUE ADDED BY MANUFACTURE**

Province	Ex-factory value of products and work done by the industry for customers	Ex-factory value of fuels, raw materials, etc., consumed and work done for the industry by other concerns	Depreciation of fixed assets at the rate allowed for purposes of income-tax	Value of products less cost of materials and fuels less depreciation [col. (2)—col. (3)—col. (4)]
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	} 41,88,209	16,80,450	1,63,319	23,44,440
Bombay . . . . .				
Bihar . . . . .				
Delhi . . . . .				



## **CHAPTER XXVIII**

### **25. SEWING MACHINES**



## 25. SEWING MACHINES

This is a very small industry with only 3 factories, of which 2 were in West Bengal and one in East Punjab. The consolidated figures relate to all the 3 factories.

The productive capital employed was 33 lakhs of rupees of which two-third was fixed capital and the balance working capital. The industry employed 700 persons. All the workers were men and were employed directly by the factories.

The chief raw materials used were steel and cast iron, and the main products, hand-operated and foot-operated sewing machines. The number of machines manufactured was over 6,000.

The value added by manufacture was over 5 lakhs of rupees, or 1.8 lakhs of rupees per factory, 742 rupees per person employed, and 5 annas per manhour. Employees received 88% of the value added as salaries, wages and other benefits. The average amount received by a worker per day as wages and other benefits was Rs. 2-2.



TABLE 25.1.—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns)
		Number	% per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal	2	2	100	..	298
2. Bombay .	..	..	..	..	..
3. Madras .	..	..	..	..	..
4. U. P. .	..	..	..	..	..
5. Bihar .	..	..	..	..	..
6. East Punjab.	1	1	100	..	312
7. C.P. & Berar	..	..	..	..	..
8. Delhi .	..	..	..	..	..
9. Orissa .	..	..	..	..	..
10. Assam .	..	..	..	..	..
11. Ajmer-Merwara	} ..	..	..	..	..
TOTAL .	3	3	100	..	303

TABLE 25.2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province 1	Fixed capital			
	Land and buildings 2	Plant and machinery 3	Other fixed assets 4	Total 5
	Rs.	Rs.	Rs.	Rs.
West Bengal and East Punjab . . . . .	7,35,190	13,32,855	95,860	21,63,905

TABLE 25.2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital			Total productive capital employed*	Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels 6	Stock of products and by-products 7	Total* 8		
	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal and East Punjab . . . . .	6,12,691	5,39,729	11,52,420	33,16,325	4,221

\*Cash in hand and at banks and value of semi-finished products and materials in process have been excluded, as reliable estimates of these are not available.

TABLE 25.3 (A).—NUMBER OF PERSONS EMPLOYED

Province 1	Average number of workers employed per day directly by factory			
	Men 2	Women 3	Children 4	Total 5
West Bengal and East Punjab . . . . .	679	..	..	679

TABLE 25·3 (B).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contractors				Number of persons other than workers	Total number of persons employed
	Men	Women	Children	Total		
	6	7	8	9	10	11
West Bengal and East Punjab	..	..	..	..	38	717

TABLE 25·4 (A).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked directly for factory			
	Men	Women	Children	Total
1	2	3	4	5
West Bengal and East Punjab	16,25,430	..	..	16,25,430

TABLE 25·4 (B).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked
	Men	Women	Children	Total	
	6	7	8	9	10
West Bengal and East Punjab	..	..	..	..	16,25,430

TABLE 25·5 (A).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers					
	Directly by factory				Through contractors	
	Men	Women	Children	Total	Men	Women
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal and East Punjab	4,04,095	..	..	4,04,095	..	..

TABLE 25·5 (B).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers		Total salaries and wages paid		Money value of other benefits or privileges	Total salaries, wages, etc.
	Through contractors		Workers	Persons other than work re		
	Children	Total				
	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal and East Punjab	..	..	4,04,095	28,690	36,878	4,69,663

TABLE 25·6 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED,  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Fire-wood	Fuel oils
1	2	3	4	5	6
	Tons	Tons	Mds.	Mds.	Gallons
West Bengal and East Punjab	121	523	60	540	9,820

TABLE 25·6 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal gas	Electricity	Water	Lubricants	
				Oils	Others
	1000 Cub. ft.	K.W.H.	1,000 Gallons	Gallons	Cwt.
West Bengal and East Punjab	406	3,21,226	1,200	1,880	26

TABLE 25·7 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Fire-wood	Fuel oils	Coal gas
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal and East Punjab	4,397	26,654	102	620	6,613	1,675

TABLE 25.7 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Other fuels	Electri- city	Water	Lubricants		Total fuel, etc., consumed
				Oils	Others	
	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal and East Punjab	} ..	19,383	1,200	7,790	1,550	69,984

TABLE 25.3.—MATERIALS CONSUMED  
(QUANTITY)

(Materials, produced in the factory are excluded)

Province	Basic materials	
	Steel	Cast iron
1	2	3
	Tons	Tons
West Bengal and East Punjab	} 70	188

TABLE 25.9 (A).—MATERIALS CONSUMED  
(VALUE)

(Materials, produced in the factory are excluded)

Province	Basic materials				Auxiliary materials including chemicals*
	Steel	Cast iron	Other basic materials*	Total basic materials	
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal and East Punjab	} 36,628	89,106	40,093	1,65,827	37,697

\* The corresponding quantity is not shown in Table 25.8 as all the materials are not reported in the same system of units.

TABLE 25·9 (B).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Packing materials*	Other materials including consumable stores	Total materials consumed
	7	8	9
	Rs.	Rs.	Rs.
West Bengal and East Punjab	43,423	56,235	3,03,182

\*The corresponding quantity is not shown in Table 25·8 as all the materials are not reported in the same system of units.

TABLE 25·9 (C).—TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED

Province	Total value of materials consumed	Cost of transport of materials to factory, commission to purchasing agents, etc., which are not included in previous column	Total ex-factory value of materials consumed
	2	3	4
	Rs.	Rs.	Rs.
West Bengal and East Punjab	3,03,182	..	3,03,182

TABLE 25·10.—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products, used in the factory are excluded)

Province	Products		
	Sewing machines, hand-operated	Sewing machines, foot-operated	Sewing machines, power-operated
	2	3	4
	No.	No.	No.
West Bengal and East Punjab	3,614	2,507	..

TABLE 25·11 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products, used in the factory are excluded)

Province	Products					
	Sewing machines, hand-operated	Sewing machines, foot-operated	Sewing machines, power-operated	Total sewing machines	Other products and by-products*	Total products and by-products
	2	3	4	5	6	7
1	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal . and East Punjab .	4,51,750	4,32,348	..	8,84,098	1,57,040	1,41,138

\*The corresponding quantity is not shown in Table 25·10 as all the products and by-products are not reported in the same system of units.

TABLE 25·11 (B).—TOTAL EX-FACTORY VALUE OF PRODUCTS  
AND BY-PRODUCTS

Province	Total value of products and by-products	Cost of transport of products from factory, commission to selling agents, etc., which are included in the previous column	Total ex-factory value of products and by-products
1	2	3	4
	Rs.	Rs.	Rs.
West Bengal . . . . . and East Punjab . . . . .	10,41,138	..	10,41,138

TABLE 25·12.—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC.,  
CONSUMED AND WORK DONE FOR THE INDUSTRY BY OTHER CONCERNS

Province	Fuels, electricity and lubricants	Raw materials, chemicals, etc.	Work done for the industry by other concerns	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	} 69,984	3,03,182	..	3,73,166
East Punjab . . . . .				

TABLE 25·13.—EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS AND  
WORK DONE BY THE INDUSTRY FOR CUSTOMERS

Province	Products and by- products	Work done for customers	Total
1	2	3	4
	Rs.	Rs.	Rs.
West Bengal . . . . .	} 10,41,138	91	10,41,229
East Punjab . . . . .			

TABLE 25.14.—VALUE ADDED BY MANUFACTURE

Province	Ex-factory value of products and work done by the industry for customers	Ex-factory value of fuels, raw materials, etc., consumed and work done for the industry by other concerns	Depreciation of fixed assets at the rate allowed for purposes of income-tax	Value of products less cost of materials and fuels less depreciation. [col. (2)-col. (3)-col. (4)]
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
West Bengal . . . and East Punjab . . .	} 10,41,229	3,73,166	1,35,812	5,32,251

## CHAPTER XXIX

### 26. PRODUCER GAS PLANTS



## 26. PRODUCER GAS PLANTS

This is a very small industry with only 5 factories, 2 in Bombay, 2 in Madras and 1 in the U. P. The consolidated figures relate to 4 out of the 5 factories.

The productive capital employed in the industry was nearly 5 lakhs of rupees of which 61% was fixed capital. The industry employed over 400 persons. All the workers were men and were directly employed by factories.

The chief raw materials used were pig iron and steel and the products, producer gas plants, components and accessories. The number of complete plants manufactured was over 700.

The value added by manufacture was nearly 6 lakhs of rupees or  $1\frac{1}{2}$  lakhs of rupees per factory, Rs. 1,448 per person employed and 11 annas per man-hour. Employees received 55% of the value added, as salaries wages and other benefits. The average amount received by a worker per day, as wages and other benefits was Rs. 2-12-0.



TABLE 26.1.—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns)
		Number	% per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal .	..	..	..	..	..
2. Bombay .	2	2	100	..	289
3. Madras .	2	1	50	..	301
4. U. P. .	1	1	100	..	308
5. Bihar .	..	..	..	..	..
6. East Punjab .	..	..	..	..	..
7. C. P. & Berar .	..	..	..	..	..
8. Delhi .	..	..	..	..	..
9. Orissa .	..	..	..	..	..
10. Assam .	..	..	..	..	..
11. Ajmer-Merwara.	..	..	..	..	..
TOTAL .	5	4	80	..	276

TABLE 26·2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province	Fixed capital			
	Land and buildings	Plant and machinery	Other fixed assets	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
Bombay . . . . .	81,602	1,95,574	16,021	2,93,197
Madras . . . . .				
U. P. . . . .				

TABLE 26·2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital			Total productive capital employed*	Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels	Stock of products and by-products	Total*		
	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.
Bombay . . . . .	1,47,750	38,750	1,86,500	4,79,697	16,840
Madras . . . . .					
U. P. . . . .					

\* Cash in hand and at banks and value of semi-finished products and materials in process have been excluded, as reliable estimates of these are not available.

TABLE 26·3 (A).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day directly by factory			
	Men	Women	Children	Total
	2	3	4	5
Bombay . . . . .	} 346	..	..	346
Madras . . . . .				
U. P. . . . .				

TABLE 26·3 (B).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contractors				Number of persons other than workers	Total number of persons employed
	Men	Women	Children	Total		
	6	7	8	9		
Bombay . . . . .	}....	..	..	..	68	414
Madras . . . . .						
U. P. . . . .						

TABLE 26·4 (A).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked directly for factory			
	Men	Women	Children	Total
1	2	3	4	5
Bombay . . . . .	} 8,88,154	...	...	8,88,154
Madras . . . . .				
U. P. . . . .				

TABLE 26·4 (B).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked
	Men	Women	Children	Total	
	6	7	8	9	10
Bombay . . . . .	} ...	...	...	...	8,88,154
Madras . . . . .					
U. P. . . . .					

TABLE 26·5 (A).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers			
	Directly by factory			
	Men	Women	Children	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
Bombay . . . . .	} 2,48,764	...	...	2,48,764
Madras . . . . .				
U. P. . . . .				

TABLE 26·5 (B).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers			
	Through contractors			
	Men	Women	Children	Total
	6	7	8	9
	Rs.	Rs.	Rs.	Rs.
Bombay . . . . .	} ...	...	...	...
Madras . . . . .				
U. P. . . . .				

TABLE 26·5 (C).—SALARIES AND WAGES PAID

Province	Total salaries and wages paid		Money value of other benefits or privileges	Total salaries wages, etc.
	Workers	Persons other than workers		
	10	11		
			12	13
	Rs.	Rs.	Rs.	Rs.
Bombay . . . . .	} 2,48,764	67,990	12,652	3,29,406
Madras . . . . .				
U. P. . . . .				

TABLE 26.6 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)  
(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel oils					
1	2	3	4	5	6					
	Tons	Tons	Mds.	Mds.	Gallons					
Bombay . . .	}	}	}	}	}					
Madras . . .						27	95	1,229	2	3,000
U. P. . . .										

TABLE 26.6 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)  
(Fuels, etc., produced in the factory are excluded)

Province	Coal gas	Electricity	Water	Lubricants						
				Oils	Others					
	7	8	9	10	11					
	1,000 Cub. ft.	K. W. H.	1,000 Gallons	Gallons	Cwt.					
Bombay . . .	}	}	}	}	}					
Madras . . .						..	81,894	..	537	9
U. P. . . .										

TABLE 26.7 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC. CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood
	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
Bombay . . .	} 1,128	6,404	4,144	4
Madras . . .				
U. P. . . .				

TABLE 26.7 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Fuel oils	Coal gas	Other fuels	Electricity
	6	7	8	9
	Rs.	Rs.	Rs.	Rs.
Bombay . . .	} 2,160	..	180	8,790
Madras . . .				
U. P. . . .				

TABLE 26.7 (C).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Water	Lubricants		Total fuel, etc., consumed
		Oils	Others	
	10	11	12	13
	Rs.	Rs.	Rs.	Rs.
Bombay . . .	} ..	2,901	670	26,381
Madras . . .				
U. P. . . .				

TABLE 26·8—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Basic Materials.	
	Pig iron	Steel
1	2	3
	Tons	Tons
Bombay . . .	} 90	} 293
Madras . . .		
U. P. . . .		

TABLE 26·9 (A).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Basic materials				
	Pig iron	Steel	Other basic materials*	Total basic materials	Auxiliary materials
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Bombay . . .	} 15,072	} 1,03,146	} 95,156	} 2,13,374	} 68,064
Madras . . .					
U.P. . . . .					

\* The corresponding quantity is not shown in Table 26·8 as all these materials are not reported in the same system of units.

TABLE 26·9 (B).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Packing materials	Other materials	Total materials consumed
	7	8	9
	Rs.	Rs.	Rs.
Bombay . . . . .	} 4,777	} 7,843	} 2,94,058.
Madras . . . . .			
U. P. . . . .			

TABLE 26·9 (C). —TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED

Province	Total value of materials consumed	Cost of transport of materials to factory, commission to purchasing agent, etc., which are not included in previous column	Total ex-factory value of materials consumed
1	2	3	4
	Rs.	Rs.	Rs.
Bombay Madras U. P.	} 2,94,058	17,702	3,11,760

TABLE 26·10.—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)  
(Products used in the factory are excluded)

Province	Producer gas plants	Producer gas plant components and accessories
1	2	3
	No.	No.
Bombay . . . . .	} 734	1,882
Madras . . . . .		
U.P. . . . .		

TABLE 26·11 (A)—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)  
(Products used in the factory are excluded)

Province	Producer gas plants	Producer gas plant components and accessories	Other products and by-products *	Total products and by-products
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
Bombay . . . . .	} 6,83,664	2,71,561	1,000	9,56,225
Madras . . . . .				
U. P. . . . .				

TABLE 26·11 (B)—TOTAL EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS

Province	Total value of products and by-products	Cost of transport from factory, commission to selling agents, etc., which are included in previous column	Total ex-factory value of products and by-products
1	2	3	4
	Rs.	Rs.	Rs.
Bombay . . . . .	} 9,56,225	..	9,56,225
Madras . . . . .			
U. P. . . . .			

\* The corresponding quantity is not shown in Table 26·10 as all these products and by-products are not reported in the same system of units.

TABLE 26-12—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC., CONSUMED AND WORK DONE FOR THE INDUSTRY BY OTHER CONCERNS

Province	Fuels, electr city and lubricants	Raw materials, chemicals, etc.	Work done for the industry by other concerns	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
Bombay . . . . .	} 26,381	3,11,760	..	3,38,141
Madras . . . . .				
U. P. . . . .				

TABLE 26-13—EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS AND WORK DONE BY THE INDUSTRY FOR CUSTOMERS

Province	Products and by-products	Work done for customers	Total
1	2	3	4
	Rs.	Rs.	Rs.
Bombay . . . . .	} 9,56,225	..	9,56,225
Madras . . . . .			
U. P. . . . .			

TABLE 26-14—VALUE ADDED BY MANUFACTURE

Province	Ex-factory value of products and work done by the industry for customers	Ex-factory value of fuels, raw materials, etc., consumed and work done for the industry by other concerns	Depreciation of fixed assets at the rate allowed for purposes of income-tax	Value of products less cost of materials and fuels less depreciation [col. (2)—col. (3)—col. (4)]
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
Bombay .	} 9,56,225	3,38,141	18,731	5,99,353
Madras				
U. P.				



## CHAPTER XXX

### **27. ELECTRIC LAMPS**



## 27. ELECTRIC LAMPS

This is a very small industry with only 5 factories, 3 in West Bengal and one each in Bombay and Bihar. The consolidated figures relate to all the 5 factories.

The productive capital employed was over 32 lakhs of rupees, or over 6 lakhs of rupees per factory. Working capital accounted for two-thirds of the total productive capital. The industry employed over 800 persons. Most of the workers were men, directly employed by factories.

The chief raw materials used were glass bulbs, lamp caps and tungsten filaments. The main products were gas filled and vacuum incandescent filament lamps. The output of lamps was over 6 million.

The value added by manufacture was  $8\frac{1}{2}$  lakhs of rupees or nearly  $1\frac{1}{2}$  lakhs of rupees per factory, over a thousand rupees per person employed and 9 annas per man-hour. Employees received 88% of the value added as salaries, wages and other benefits. The average amount received by a worker as wages and other benefits was Rs. 2-8-0.



TABLE 27.1.—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns)
		Number	% per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal . . .	4	4	100	1	287
2. Bombay . . .	1	1	100	...	306
3. Madras . . .	...	...	...	...	...
4. U. P. . . .	...	...	...	...	...
5. Bihar . . .	1	1	100	...	260
6. East Punjab . . .	...	..	...	...	...
7. C. P. and Berar . . .	...	...	...	...	...
8. Delhi . . .	...	...	...	...	...
9. Orissa . . .	...	...	...	...	...
10. Assam . . .	...	...	...	...	...
11. Ajmer-Merwara . . .	...	...	...	...	...
TOTAL . . .	6	6	100	1	285

TABLE 27·2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province	Fixed capital			
	Land and buildings	Plant and machinery	Other fixed assets	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	} 2,51,032	7,57,123	65,367	10,73,522
Bombay . . . . .				
Bihar . . . . .				

TABLE 27·2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital			Total productive capital employed *	Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels	Stock of products and by-products	Total *		
	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	} 17,33,946	4,08,736	21,42,681	32,16,203	32,460
Bombay . . . . .					
Bihar . . . . .					

\*Cash in hand and at banks and value of semi-finished products and materials in process have been excluded, as reliable estimates of these are not available.

TABLE 27·3 (A).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day directly by factory			
	Men 2	Women 3	Children 4	Total 5
West Bengal . . . . .	} 643	..	3	646
Bombay . . . . .				
Bihar . . . . .				

TABLE 27·3 (B).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contractors				Number of persons other than workers 10	Total number of persons employed 11
	Men 6	Women 7	Children 8	Total 9		
West Bengal . . . . .	} ..	..	..	..	165	811
Bombay . . . . .						
Bihar . . . . .						

TABLE 27·4 (A).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked directly for factory			
	Men 2	Women 3	Children 4	Total 5
West Bengal . . . . .	} 15,63,059	..	3,180	15,66,239
Bombay . . . . .				
Bihar . . . . .				

TABLE 27·4 (B).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked
	Men	Women	Children	Total	
	6	7	8	9	10
West Bengal	}	...	...	...	15,66,239
Bombay		...	...	...	
Bihar		...	...	...	

TABLE 27·5 (A).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments) —workers						
	Directly by factory				Through contractors		
	Men	Women	Children	Total	Men	Women	
1	2	3	4	5	6	7	
West Bengal	}	Rs.	Rs.	Rs.	Rs.	Rs.	
Bombay		3,64,804	...	550	3,65,354	..	...
Bihar		...	...	...	...	...	...

TABLE 27·5 (B).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments) —workers		Total salaries and wages paid		Money value of other benefits or privileges	Total salaries, wages, etc.	
	Through contractors		Workers	Persons other than workers			
	Children	Total			10	11	
	8	9			12	13	
West Bengal	}	Rs.	Rs.	Rs.	Rs.	Rs.	
Bombay		...	...	3,65,354	2,93,151	94,193	7,52,698
Bihar		...	...	...	...	...	...

TABLE 27·6 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel Oils	Coal gas
1	2	3	4	5	6	7
	Tons	Tons	Mds.	Mds.	Gallons	1000 Cub. ft.
West Bengal . . . . .	} 180	55	...	69	87,865	9,500
Bombay . . . . .						
Bihar . . . . .						

TABLE 27·6 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)

(Fuels, etc., produced in the factory are excluded)

Province	Electri- city	Water	Lubricants	
			Oils	Others
	8	9	10	11
	K.W.H.	1000 Gallons	Gallons	Cwt.
West Bengal . . . . .	} 7,71,481	...	564	4
Bombay . . . . .				
Bihar . . . . .				

TABLE 27·7 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel oils	Coal gas
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	} 4,860	2,150	...	121	28,118	46,767
Bombay . . . . .						
Bihar . . . . .						

TABLE 27·7 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Other fuels	Electricity	Water	Lubricants		Total fuel, etc., consumed
				Oils	Others	
	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	} 16,791	36,444	...	2,810	210	1,38,271
Bombay . . . . .						
Bihar . . . . .						

TABLE 27·8(A).—MATERIALS CONSUMED  
(QUANTITY)

(Materials, produced in the factory are excluded)

Province	Basic materials					
	Glass bulbs	Glass tubings and rods	Tungsten filament	Molybdenum wire	Lamp caps	Soldering wire
1	2	3	4	5	6	7
	No.	Cwt.	Meters	Meters	No.	Lbs.
West Bengal . . . . .	} 78,82,123	1,174	67,22,615	7,89,666	65,03,138	8,919
Bombay . . . . .						
Bihar . . . . .						

TABLE 27·8(B).—MATERIALS CONSUMED  
(QUANTITY)

(Materials, produced in the factory are excluded)

Province	Chemicals		Packing materials		
	Argon gas	Nitrogen gas	Paper all kinds	Straw board and other boards	Wooden cases
	8	9	10	11	12
	Cub. ft.	Cub. ft.	Cwt.	Cwt.	No.
West Bengal . . . . .	} 37,313	37,840	299	2,050	13,776
Bombay . . . . .					
Bihar . . . . .					

TABLE 27·9 (A).—MATERIALS CONSUMED  
(VALUE)  
(Materials, produced in the factory are excluded)

Province	Basic materials			
	Glass bulbs	Glass tubings and rods	Tungsten filament	Molybdenum wire
	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
West Bengal	} 10,13,197	1,55,649	3,25,875	24,927
Bombay				
Bihar				

TABLE 27·9 (B).—MATERIALS CONSUMED  
(VALUE)  
(Materials, produced in the factory are excluded)

Province	Basic materials			
	Lamp caps	Soldering wire	Other basic materials*	Total basic materials
	6	7	8	9
	Rs.	Rs.	Rs.	Rs.
West Bengal	} 2,89,470	19,658	83,413	19,12,189
Bombay				
Bihar				

\*The corresponding quantity is not shown in Table 27.8 (A) as all the materials are not reported in the same system of units.

TABLE 27·9 (C).—MATERIALS CONSUMED  
(VALUE)  
(Materials, produced in the factory are excluded)

Province	Chemicals			
	Argon gas	Nitrogen gas	Other chemicals*	Total chemicals
	10	11	12	13
	Rs.	Rs.	Rs.	Rs.
West Bengal	} 62,796	11,051	66,899	1,40,746
Bombay				
Bihar				

\*The corresponding quantity is not shown in Table 27.8 (B) as all the materials are not reported in the same system of units.

**TABLE 27·9 (D).—MATERIALS CONSUMED  
(VALUE)**  
(Materials produced in the factory are excluded)

Province	Packing materials						
	Paper all kinds	Straw-board and other boards	Wooden cases	Other packing materials*	Total packing materials	Other materials	Total materials consumed
	14	15	16	17	18	19	20
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal Bombay Bihar	16,370	1,12,798	92,251	1,32,272	3,53,691	490	24,07,116

\*The corresponding quantity is not shown in Table 27·8 (B) as all the materials are not reported in the same system of units.

**TABLE 27·9 (E).—TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED**

Province	Total value of materials consumed	Cost of transport of materials to factory, commission to purchasing agents, etc., which are not included in previous column	Total ex-factory value of materials consumed
1	2	3	4
	Rs.	Rs.	Rs.
West Bengal Bombay Bihar	24,07,116		24,07,116

**TABLE 27·10.—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)**  
(Products used in the factory are excluded)

Province	Incandescent-filament lamps			
	Lamps other than miniature lamps.			Miniature lamps
	Ga filled	Vacuum	Total lamps other than miniature lamps	
	2	3	4	
1	2	3	4	5
	No.	No.	No.	No.
West Bengal Bombay Bihar	33,47,666	23,72,324	57,19,990	4,10,886

**TABLE 27·11 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE**  
(VALUE)  
(Products used in the factory are excluded)

Province	Incandescent-filament Lamps				Other products and by-products*	Total products and by-products
	Lamps other than miniature lamps			Miniature lamps		
	Gas-filled	Vacuum	Total lamps other than miniature lamps			
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Bengal Bombay Bihar	18,95,855	12,78,938	31,74,793	3,00,481	1,732	34,77,006

\*The corresponding quantity is not shown in Table 27.10 as all the materials are not reported in the same system of units.

**TABLE 27·11 (B).—TOTAL EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS**

Province	Total value of products and by-products	Cost of transport of products from factory, commission to selling agents, etc., which are included in previous column	Total ex-factory value of products and by-products
1	2	3	4
	Rs.	Rs.	Rs.
West Bengal Bombay Bihar	34,77,006	5,718	34,71,288

**TABLE 27·12.—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC., CONSUMED AND WORK DONE FOR THE INDUSTRY BY OTHER CONCERNS**

Province	Fuels, electricity and lubricants	Raw materials, chemicals, etc.	Work done for the industry by other concerns	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
West Bengal Bombay Bihar	1,38,271	24,07,116	872	25,46,259

TABLE 27·13.—EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS AND WORK DONE BY THE INDUSTRY FOR CUSTOMERS

Province	Products and by-products	Work done for customers	Total
1	2	3	4
	Rs.	Rs.	Rs.
West Bengal . . . . .	} 34,71,288	450	34,71,738
Bombay . . . . .			
Bihar . . . . .			

TABLE 27·14.—VALUE ADDED BY MANUFACTURE

Province	Ex-factory value of products and work done by the industry for customers	Ex-factory value of fuels, raw materials, etc., consumed and work done for the industry by other concerns	Depreciation of fixed assets at the rate allowed for purposes of income-tax	Value of products less cost of materials and fuels less depreciation [col. (2)—col. (3)—col. (4)]
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
West Bengal . . . . .	} 34,71,738	25,46,259	69,473	8,56,006
Bombay . . . . .				
Bihar . . . . .				

**CHAPTER XXXI**  
**28. ELECTRIC FANS**



## 28. ELECTRIC FANS

The industry is located mainly in West Bengal, East Punjab and Delhi, 31 out of the 34 factories being in these 3 provinces. Nearly half the factories were situated in West Bengal. Factories in West Bengal, Bombay and U.P. seem to be bigger than those in Delhi and East Punjab. The average productive capital per factory was 5 lakhs of rupees in West Bengal, 9 lakhs of rupees in Bombay and U.P., less than 2 lakhs of rupees in East Punjab, and 2½ lakhs of rupees in Delhi. The average number of persons employed per factory per day was 263 in West Bengal, 161 in Bombay and U.P., 84 in East Punjab and 68 in Delhi. The average value added by manufacture per factory was a little over 3 lakhs of rupees in West Bengal, 8½ lakhs of rupees in Bombay and U.P. and about 70,000 rupees in East Punjab and Delhi.

The consolidated figures relate to 88% of the factories.

The total productive capital employed was over a crore of rupees of which 40 per cent. was fixed capital. The industry employed over 5,000 persons. 7 per cent. of the workers were employed through contractors. There was a small proportion of women workers.

The chief raw materials used were pig iron, steel copper-wire, brass, and iron castings. The main products were table and ceiling fans. The output of fans was over 1,10,000.

The value added by manufacture was a little over 79 lakhs of rupees or 2.6 lakhs of rupees per factory, 1,500 rupees per person employed and 12 annas per man-hour. Employees received 54 per cent of the value added as salaries, wages and other benefits. The average amount received by a worker per day as wages and other benefits was Rs. 2-6-0



## TABLE 28.1.—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns)
		Number	% per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal	16	14	88	..	272
2. Bombay .	2	2	100	..	207
3. Madras .	..	..	..	..	..
4. U. P. .	1		100	..	313
5. Bihar .	..	..	..	..	..
6. East Punjab	9		78	..	291
7. C. P. & Berar	..	..	..	..	..
8. Delhi .	6	6	100	1	287
9. Orissa .	..	..	..	..	..
10. Assam .	..	..	..	..	..
11. Ajmer-Merwara .	..	..	..	..	..
TOTAL .	34	30	88	1	283

TABLE 28·2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province	Fixed capital			
	Land and buildings	Plant and machinery	Other fixed assets	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . .	8,94,060	18,59,138	1,37,396	28,90,594
2. East Punjab . . . .	1,30,923	2,76,860	26,444	4,34,227
3. Delhi . . . . .	1,06,324	6,31,770	37,147	7,75,241
4. Bombay and U.P. . . .	3,33,820	3,57,662	12,648	7,04,130
TOTAL . . . . .	14,65,127	31,25,430	2,13,635	48,04,192

TABLE 28·2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital			Total productive capital employed*	Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels	Stock of products and by-products	Total*		
	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	22,43,248	15,45,200	37,88,448	66,79,042	29,908
2. East Punjab . . . . .	4,27,474	3,87,224	8,14,698	12,48,925	6,832
3. Delhi . . . . .	3,86,919	2,48,982	6,35,901	14,11,142	17,845
4. Bombay and U.P. . . . .	18,68,361	98,133	19,66,494	26,70,624	15,740
TOTAL . . . . .	49,26,002	22,79,539	72,05,541	1,20,09,733	70,325

\*Cash in hand and at banks and value of semi-finished products and materials in process have been excluded, as reliable estimates of these are not available.

TABLE 28-3 (A).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day directly by factory			
	Men	Women	Children	Total
1	2	3	4	5
1. West Bengal . . . . .	2,803	16	2	2,821
2. East Punjab . . . . .	537	..	12	549
3. Delhi . . . . .	330	..	..	330
4. Bombay and U. P. . . . .	364	74	..	438
TOTAL	4,034	90	14	4,138

TABLE 28-3 (B).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contractors				Number of persons other than workers	Total number of persons employed
	Men	Women	Children	Total		
	6	7	8	9	10	11
1. West Bengal . . . . .	326	..	..	326	540	3,687
2. East Punjab . . . . .	6	..	..	6	33	538
3. Delhi . . . . .	..	..	..	..	78	408
4. Bombay and U. P. . . . .	..	..	..	..	46	484
TOTAL	332	..	..	332	697	5,167

TABLE 28.4 (A).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province 1	Number of man-hours worked directly for factory			
	Men 2	Women 3	Children 4	Total 5
1. West Bengal . . . . .	64,61,708	30,112	2,682	64,94,502
2. East Punjab . . . . .	13,08,123	..	17,115	13,25,238
3. Delhi . . . . .	8,12,909	..	..	8,12,909
4. Bombay and U. P. . . . .	8,91,017	1,78,200	..	10,69,217
TOTAL . . . . .	94,73,757	2,08,312	10,797	97,01,866

TABLE 28.4 (B).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked 10
	Men 6	Women 7	Children 8	Total 9	
1. West Bengal . . . . .	7,44,419	..	2,682	7,47,101	72,41,603
2. East Punjab ] . . . . .	9,600	..	..	9,600	13,34,838
3. Delhi . . . . .	..	..	..	..	8,12,909
4. Bombay and U. P. . . . .	..	..	..	..	10,69,217
TOTAL . . . . .	7,54,019	..	2,682	7,56,701	1,04,58,567

TABLE 28.5 (A).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers							
	Directly by factory				Through contractors		Through contractors	
	Men	Women	Children	Total	Men	Women	Children	Total
	1	2	3	4	5	6	7	8
	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	19,39,312	6,328	270	19,46,310	1,02,433	..	..	1,02,433
2. East Punjab . . . . .	3,75,796	..	2,4	3,78,221	8,525	..	..	8,525
3. Delhi . . . . .	2,68,095	..	..	2,68,095	..	..	..	..
4. Bombay and U.P. . . . .	2,37,804	56,094	..	2,93,898	..	..	..	..
<b>TOTAL</b> . . . . .	<b>28,21,507</b>	<b>62,322</b>	<b>2,695</b>	<b>28,86,524</b>	<b>1,10,958</b>	<b>..</b>	<b>..</b>	<b>1,10,958</b>

TABLE 28.5 (B).—SALARIES AND WAGES PAID

Province	Total salaries and wages paid		Money value of other benefits or privileges	Total salaries, wages, etc.
	Workers	Persons other than workers		
	10	11	12	13
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	20,48,743	8,99,367	..	29,48,110
2. East Punjab . . . . .	3,86,746	40,411	..	4,27,157
3. Delhi . . . . .	2,68,095	1,01,893	..	3,69,988
4. Bombay and U. P. . . . .	2,93,898	1,59,221	3,441	4,56,560
<b>TOTAL</b> . . . . .	<b>29,97,482</b>	<b>12,00,892</b>	<b>3,441</b>	<b>42,01,815</b>

**TABLE 28·6 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)**

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel Oils	Coal gas
1	2	3	4	5	6	7
	Tons	Tons	Mds.	Mds.	Gallons	1,000 Cub. ft.
1. West Bengal . . . . .	338	701	511	636	1,163	685
2. East Punjab . . . . .	253	200	198	233	..	..
3. Delhi . . . . .	83	86	370	1,019	..	..
4. Bombay and U. P. . . . .	9	21	25	20	90	1,993
<b>TOTAL . . . . .</b>	<b>683</b>	<b>1,008</b>	<b>1,104</b>	<b>1,908</b>	<b>1,253</b>	<b>2,678</b>

**TABLE 28·6 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY).**

(Fuels, etc., produced in the factory are excluded)

Province	Electricity	Water	Lubricants	
			Oils	Others
	3	9	10	11
	K.W.H.	1,000 Gallons	Gallons	Cwt.
1. West Bengal . . . . .	9,58,286	..	3,704	47
2. East Punjab . . . . .	1,40,464	30,000	1,461	13
3. Delhi . . . . .	1,37,576	1,580	767	76
4. Bombay and U. P. . . . .	3,34,178	1,217	380	2
<b>TOTAL . . . . .</b>	<b>15,70,504</b>	<b>32,797</b>	<b>6,312</b>	<b>138</b>

**TABLE 28·7 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)**

(Fuels, etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Fire-wood	Fuel oils	Coal gas	Other fuels
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	9,869	36,322	2,052	1,554	1,334	3,213	..
2. East Punjab .	22,693	15,276	1,751	649	..	..	..
3. Delhi . . .	4,499	6,506	2,210	2,554	..	..	..
4. Bombay and U.P.	425	1,353	125	30	196	8,044	100
<b>TOTAL</b>	<b>37,486</b>	<b>59,457</b>	<b>6,138</b>	<b>4,787</b>	<b>1,530</b>	<b>11,257</b>	<b>100</b>

**TABLE 28·7 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)**

(Fuels, etc., produced in the factory are excluded)

Province	Electricity	Water	Lubricants		Total fuel etc., consumed
			Oils	Others	
	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . .	67,374	..	14,483	926	1,37,127
2. East Punjab . . .	16,992	30,000	5,063	1,663	94,087
3. Delhi . . . . .	9,963	636	2,844	1,868	31,080
4. Bombay and U.P. . .	21,295	1,217	1,205	260	34,250
<b>TOTAL</b>	<b>1,15,624</b>	<b>31,853</b>	<b>23,595</b>	<b>4,717</b>	<b>2,96,544</b>

TABLE 28·8 (A).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Basic materials				
	Pig iron	Steel ingots	Steel plates & sheets	Other steel materials	Copper wire
	1	2	3	4	5
	Tons	Tons	Tons	Tons	Tons
1. West Bengal .	844	..	893	7	214
2. East Punjab .	294	48	171	2	52
3. Delhi . .	41	..	172	Nominal	18
4. Bombay and U. P.	15	2	60	Nominal	51
<b>TOTAL .</b>	<b>1,194</b>	<b>50</b>	<b>1,236</b>	<b>9</b>	<b>335</b>

TABLE 28·8 (B).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Basic Materials— <i>contd.</i>			Components and accessories	
	Other copper materials	Brass	Lead	Iron casting	Steel casting
	7	8	9	10	11
	Tons	Tons	Tons	Tons	Tons
1. West Bengal.	21	56	1	697	17
2. East Punjab.	24	40	1	7	..
3. Delhi . .	3	7	2	38	..
4. Bombay and U. P.	30	4	Nominal	312	1
<b>TOTAL .</b>	<b>78</b>	<b>107</b>	<b>4</b>	<b>1,054</b>	<b>18</b>

TABLE 28·8 (C).—MATERIALS CONSUMED  
(QUANTITY)

(Materials produced in the factory are excluded)

Province	Components and accessories (contd.)		Chemicals	Packing materials		
	Steel forgings	Porcelain articles	Paints	Paper all kinds	Wooden cases	Wire lacing
	12	13	14	15	16	17
	Tons	Cwt.	Cwt.	Cwt.	No.	Cwt.
1. West Bengal	18	65	1,029	53	7,655	769
2. East Punjab	..	..	101	49	4,637	..
3. Delhi	..	7	113	28	8,579	..
4. Bombay and U.P.	2	319	28	62	21,381	20
<b>TOTAL</b>	20	391	1,271	192	42,252	789

TABLE 28·9 (A).—MATERIALS CONSUMED  
(VALUE)

(Materials, produced in the factory are excluded)

Province	Basic materials					
	Pig iron	Steel ingots	Steel plates and sheets	Other steel materials	Copper wire	Other copper materials
	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	58,177	..	3,81,900	11,528	4,30,852	44,352
2. East Punjab	40,198	17,895	74,958	1,735	1,76,348	74,334
3. Delhi	6,347	..	77,224	630	1,09,307	6,940
4. Bombay and U.P.	2,430	800	26,065	383	2,35,502	1,31,852
<b>TOTAL</b>	1,07,152	18,695	5,60,147	14,276	9,52,009	2,57,478

TABLE 28·9 (B).—MATERIALS CONSUMED

(VALUE)

(Materials produced in the factory are excluded)

Province	Basic materials (contd.)				Components and accessories		
	Brass	Lead	Other basic materials*	Total	Iron castings	Steel castings	Steel forgings
	8	9	10	11	12	13	14
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	3,35,080	896	13,10,400	25,73,185	3,13,149	5,432	9,503
2. East Punjab	81,982	549	3,31,773	7,99,772	4,000	..	..
3. Delhi	19,390	1,324	80,279	3,01,441	30,600	..	..
Bombay and U.P.	10,472	54	88,514	4,96,072	2,70,836	540	540
TOTAL	4,46,924	2,823	18,10,966	41,70,470	6,18,585	5,972	10,043

TABLE 28·9 (C).—MATERIALS CONSUMED

(VALUE)

(Materials produced in the factory are excluded)

Province	Components and accessories (contd.)			Chemicals		
	Porcelain articles	Other components and accessories*	Total	Paints	Other chemicals	Total
	15	16	17	18	19	20
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	10,810	6,72,884	10,11,778	1,77,511	85,976	2,63,487
2. East Punjab	..	30,778	34,778	10,586	10,472	21,058
3. Delhi	1,753	12,631	44,984	31,058	35,946	67,004
4. Bombay and U.P.	52,115	36,241	3,60,272	6,398	38,969	45,367
TOTAL	64,678	7,52,534	14,51,812	2,25,553	1,71,363	3,96,916

\*The corresponding quantity is not shown in Table 28·8 as all the materials are not reported in the same system of units.

TABLE 28·9 (D).—MATERIALS CONSUMED  
(VALUE)

(Materials, produced in the factory are excluded)

Province	Packing materials					Other materials* 26	Total materials consumed 27
	Paper all kinds 21	Wooden cases 22	Wire lacing 23	Other packing materials* 24	Total 25		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal	4,336	31,707	24,430	1,28,068	1,88,541	4,53,913	44,90,904
2. East Punjab	1,523	17,197	..	2,738	21,458	23,395	9,00,461
3. Delhi	1,242	28,452	..	5,806	35,500	26,291	4,75,220
4. Bombay and U.P.	3,143	1,19,685	635	5,641	1,29,612	14,304	10,45,627
TOTAL .	10,244	1,97,041	25,065	1,42,253	3,75,111	5,17,903	69,12,212

\* The corresponding quantity is not shown in table 28·8 as all the materials' are not reported in the same system of units.

TABLE 28·9 (E).—TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED

Province	Total value of materials consumed	Cost of transport of materials to factory, commission to purchasing agents, etc., which are not included in the previous column	Total ex-factory value of materials consumed
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal	44,90,904	..	44,90,904
2. East Punjab	9,00,461	935	9,01,396
3. Delhi	4,75,220	18,967	4,94,187
4. Bombay and U.P.	10,45,627	36,984	10,82,611
TOTAL	69,12,212	56,886	69,69,098

TABLE 28-10.—PRODUCTS AND BY-PRODUCTS FOR SALE  
(QUANTITY)

(Products, used in the factory are excluded)

Province	Table fans	Ceiling fans	Other fans	Components and accessories
1	2	3	4	5
	No.	No.	No.	No.
1. West Bengal . . . .	8,888	67,356	1,441	14,113
2. East Punjab . . . .	393	12,205	36	1,850
3. Delhi . . . . .	350	5,678	..	2,744
4. Bombay and U.P. . . .	15	14,061	10	386*
TOTAL . . . . .	9,646	99,300	1,487	19,078

\*Also 834 feet of Down rods for Ceiling fans.

TABLE 28-11 (A).—PRODUCTS AND BY-PRODUCTS FOR SALE  
(VALUE)

(Products, used in the factory are excluded)

Province	Table fans	Ceiling fans	Other fans	Components and accessories	Other products and by-products*	Total products and by-products
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	7,14,430	79,12,885	1,70,121	4,02,614	..	93,20,410
2. East Punjab . . . . .	33,568	12,72,973	5,740	18,500	1,91,780	15,41,061
3. Delhi . . . . .	28,000	7,21,804	..	1,22,664	1,23,709	9,96,177
4. Bombay and U.P. . . . .	1,376	17,16,676	1,250	6,674	19,95,308	37,21,284
TOTAL . . . . .	7,77,374	1,16,24,338	1,77,111	5,50,452	23,10,797	1,55,78,632

\*The corresponding quantity is not shown in Table 28-10 as all the products and by products are not reported in the same system of units.

TABLE 28. 11 (B).—TOTAL EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS

Province	Total value of products and by-products	Cost of transport of products from factory, commission to selling agents, etc. which are included in the previous column	Total ex-factory value of products and by-products.
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	93,20,410	.	93,20,410
2. East Punjab . . . . .	15,41,061	.	15,41,061
3. Delhi . . . . .	9,96,177	25,742	9,70,435
4. Bombay and U.P. . . . .	37,21,284	..	37,21,284
TOTAL	1,55,78,932	25,742	1,55,53,190

TABLE 28.12.—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC., CONSUMED AND WORK DONE FOR THE INDUSTRY BY OTHER CONCERNS

Province	Fuels, electricity and lubricants	Raw materials, chemicals, etc.	Work done for the industry by other concerns.	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	1,37,127	44,90,904	5,38,271	51,66,302
2. East Punjab . . . . .	94,087	9,01,396	14,529	10,10,012
3. Delhi . . . . .	31,080	4,94,187	3,000	5,28,267
4. Bombay and U.P. . . . .	34,250	10,82,611	2,254	11,19,115
TOTAL	2,96,544	69,69,098	5,58,054	78,23,696

TABLE 28.13.—EX-FACTORY VALUE OF PRODUCTS AND BY-PRODUCTS AND WORK DONE BY THE INDUSTRY FOR CUSTOMERS

Province	Products and by-products	Work done for customers	Total
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	93,20,410	4,97,985	98,18,395
2. East Punjab . . . . .	15,41,061	161	15,41,222
3. Delhi . . . . .	9,70,435	..	9,70,435
4. Bombay and U.P. . . . .	37,21,284	13,905	37,35,189
TOTAL . . . . .	1,55,53,190	5,12,051	1,60,65,241

TABLE 28.14.—VALUE ADDED BY MANUFACTURE

Province	Ex-factory value of products and work done by the industry for customers	Ex-factory value of fuels, raw materials, etc. consumed and work done for the industry by other concerns	Depreciation of fixed assets at the rate allowed for purposes of income-tax	Value of products less cost of materials and fuels less depreciation [col (2) col. (3) col. (4)]
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	98,18,395	51,66,302	1,83,087	44,69,006
2. East Punjab . . . . .	15,41,222	10,10,012	27,613	5,03,597
3. Delhi . . . . .	9,70,435	5,28,267	51,769	3,90,399
4. Bombay and U.P. . . . .	37,35,189	11,19,115	42,486	25,73,588
TOTAL . . . . .	1,60,65,241	78,23,696	3,04,955	79,36,590

## **CHAPTER XXXII**

### **29. GENERAL ENGINEERING AND ELECTRICAL ENGINEERING**



## 29. GENERAL ENGINEERING AND ELECTRICAL ENGINEERING

This industry ranks second among the 29 industries covered by the census, in respect of the number of factories. The number of general engineering factories was over a thousand, out of the 5,013 factories in the 29 industries. More than half the factories were located in the 2 provinces of West Bengal and Bombay. The consolidated figures relate to 82 per cent. of the factories.

The total productive capital employed was over 23 crores of rupees, of which 52 per cent. was fixed capital. Over half the productive capital was in West Bengal. Bombay and West Bengal together accounted for over 81 per cent. of the productive capital in the industry. The industry employed over a lakh persons, most of whom were directly employed by factories. There was a small proportion of women and children workers.

The chief materials used were iron and steel, and non-ferrous metals and alloys like copper, tin, zinc, and brass. The industry produced a large variety of products. It was not possible to ascertain the quantities of the numerous articles produced by the industry, but their ex-factory value is shown in table 29.11 (A). The industry derived a considerable income from repair work and work done for commission on materials supplied by customers.

The value added by manufacture and repair work was over 11 crores of rupees, or 1.3 lakhs of rupees per factory, rupees 1,011 per person employed and 8 annas per man-hour. Employees received 70 per cent. of the value added as salaries, wages and other benefits. The average amount received by a worker per day as wages and other benefits was Rs. 2-4-0.



TABLE 29·1.—NUMBER OF FACTORIES IN THE INDUSTRY

Province	Number of registered factories in existence	Factories from which returns were received		Number of factories which remained closed throughout the year	Average number of working days (for factories which worked during the year and submitted returns)
		Number	% per 100 factories in existence		
1	2	3	4	5	6
1. West Bengal	395	381	96	10	264
2. Bombay .	288	253	88	11	239
3. Madras .	90	76	84	4	289
4. U. P. .	62	48	77	2	293
5. Bihar :	43	2	5	..	301
6. East Punjab	94	37	39	3	306
7. C. P. and Berar. } }	20	8	40	..	277
8. Delhi .	51	46	90	..	283
9. Orissa .	4	4	100	..	297
10. Assam .	6	6	100	..	307
11. Ajmer-Merwara . } }	..	..	..	..	..
TOTAL	1,053	861	82	30	278

TABLE 29.2 (A).—PRODUCTIVE CAPITAL EMPLOYED

Province	Fixed capital			
	Land and buildings	Plant and machinery	Other fixed assets	Total
	1	2	3	4
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	2,52,28,770	2,47,70,403	1,31,94,738	6,31,93,911
2. Bombay . . . . .	1,03,35,844	1,94,14,554	25,59,846	3,23,10,244
3. Madras . . . . .	32,29,464	51,37,356	10,02,548	94,59,368
4. U. P. . . . .	18,78,174	20,77,803	2,72,027	42,28,604
5. East Punjab . . . . .	12,30,422	12,55,744	1,84,692	26,70,858
6. C. P. and Berar . . . . .	25,80,990	9,66,271	30,684	35,77,945
7. Delhi . . . . .	6,65,423	13,85,133	1,09,576	21,60,132
8. Assam . . . . .	2,15,881	9,60,349	11,015	11,87,245
9. Bihar and Orissa . . . . .	8,74,552	11,50,161	1,21,000	21,45,713
<b>TOTAL</b> . . . . .	<b>4,62,39,520</b>	<b>5,71,17,774</b>	<b>1,75,76,726</b>	<b>12,09,34,020</b>

TABLE 29.2 (B).—PRODUCTIVE CAPITAL EMPLOYED

Province	Working capital			Total productive capital employed*	Rent paid for fixed capital items taken on lease
	Stock of raw materials and fuels	Stock of products and by-products	Total*		
	6	7	8		
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	3,95,66,589	1,62,99,009	5,58,65,598	11,90,59,509	9,00,692
2. Bombay . . . . .	2,13,79,214	1,64,17,716	3,77,96,930	7,01,07,174	8,19,869
3. Madras . . . . .	43,70,503	11,77,099	55,47,602	1,50,06,970	1,05,532
4. U. P. . . . .	13,86,449	8,87,937	22,74,386	65,02,990	67,846
5. East Punjab . . . . .	13,31,019	9,80,179	23,11,198	49,82,056	10,041
6. C. P. and Berar . . . . .	7,70,323	12,200	7,82,523	43,60,468	10,850
7. Delhi . . . . .	8,68,075	9,95,095	18,63,170	40,23,302	80,193
8. Assam . . . . .	63,548	..	63,548	12,50,793	..
9. Bihar and Orissa . . . . .	26,38,561	18,63,253	45,01,814	66,47,527	11
<b>TOTAL</b> . . . . .	<b>7,23,74,281</b>	<b>3,86,32,488</b>	<b>11,10,06,769</b>	<b>23,19,40,789</b>	<b>19,95,034</b>

\*Cash in hand and at banks and value of semi-finished products and materials in process have been excluded, as reliable estimates of these are not available.

TABLE 29·3 (A).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day directly by factory			
	Men	Women	Children	Total
	2	3	4	5
1. West Bengal . . . . .	47,637	525	220	48,382
2. Bombay . . . . .	25,807	629	67	26,503
3. Madras . . . . .	9,322	49	98	9,469
4. U. P. . . . .	2,565	10	45	2,620
5. East Punjab . . . . .	1,631		55	1,686
6. C. P. and Berar . . . . .	1,739	8	12	1,759
7. Delhi . . . . .	2,134	6	41	2,181
8. Assam . . . . .	776	5		781
9. Bihar and Orissa . . . . .	1,673	128	...	1,801
<b>TOTAL</b>	<b>93,284</b>	<b>1,360</b>	<b>538</b>	<b>95,182</b>

TABLE 29·3 (B).—NUMBER OF PERSONS EMPLOYED

Province	Average number of workers employed per day through contractors				Number of persons other than workers	Total number of persons employed
	Men	Women	Children	Total		
	6	7	8	9		
1. West Bengal . . . . .	4,250	189	8	4,447	6,183	59,012
2. Bombay . . . . .	770	24	..	794	2,919	30,216
3. Madras . . . . .	51	..	5	56	1,243	10,768
4. U. P. . . . .	57	..	..	57	478	3,155
5. East Punjab . . . . .	41	..	..	41	252	1,979
6. C. P. and Berar . . . . .	..	..	..	..	109	1,868
7. Delhi . . . . .	11	..	..	11	223	2,415
8. Assam . . . . .	..	..	..	..	34	815
9. Bihar and Orissa . . . . .	17	..	..	17	197	2,015
<b>TOTAL</b>	<b>5,197</b>	<b>213</b>	<b>13</b>	<b>5,423</b>	<b>11,638</b>	<b>1,12,243</b>

TABLE 29·4 (A).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province 1	Number of man-hours worked directly for factory			
	Men 2	Women 3	Children 4	Total 5
	1. West Bengal . . . . .	10,18,40,624	9,70,200	3,48,480
2. Bombay . . . . .	6,20,26,162	12,25,760	1,28,521	6,33,80,443
3. Madras . . . . .	2,12,01,624	1,24,597	1,44,455	2,14,70,676
4. U. P. . . . .	53,61,281	21,300	80,301	54,62,882
5. East Punjab . . . . .	46,21,695	..	77,850	46,99,545
6. C. P. and Berar . . . . .	35,37,951	19,574	14,220	35,71,745
7. Delhi . . . . .	40,13,519	10,080	63,936	40,87,535
8. Assam . . . . .	19,07,963	11,743	..	19,19,706
9. Bihar and Orissa . . . . .	38,37,009	2,87,915	..	41,24,924
TOTAL . . . . .	20,83,47,828	26,71,169	8,57,763	21,18,76,760

TABLE 29·4 (B).—NUMBER OF MAN-HOURS WORKED DURING THE YEAR

Province	Number of man-hours worked through contractors				Total number of man-hours worked 10
	Men 6	Women 7	Children 8	Total 9	
	1. West Bengal . . . . .	89,72,264	4,09,779	12,672	
2. Bombay . . . . .	13,35,180	59,712	..	13,94,892	6,47,75,335
3. Madras . . . . .	1,22,162	..	7,975	1,30,137	2,16,00,813
4. U. P. . . . .	1,45,170	..	..	1,45,170	56,08,052
5. East Punjab . . . . .	81,420	..	..	81,420	47,80,965
6. C. P. and Berar . . . . .	..	..	..	..	35,71,745
7. Delhi . . . . .	20,184	..	..	20,184	41,07,719
8. Assam . . . . .	..	..	..	..	19,19,706
9. Bihar and Orissa . . . . .	40,920	..	..	40,920	41,65,844
TOTAL . . . . .	1,07,17,300	4,69,491	20,647	1,12,07,438	22,30,84,198

TABLE 29·5 (A).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers			
	Directly by factory			
	Men	Women	Children	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	2,48,74,546	1,45,165	41,997	2,50,61,708
2. Bombay . . . . .	2,01,87,416	3,61,612	19,393	2,05,68,421
3. Madras . . . . .	50,76,122	15,505	16,795	51,08,422
4. U. P. . . . .	13,02,682	6,733	10,474	13,19,889
5. East Punjab . . . . .	11,36,073	..	16,710	11,52,783
6. C. P. and Berar . . . . .	8,86,167	2,728	1,601	8,90,496
7. Delhi . . . . .	11,89,110	1,704	9,028	11,99,842
8. Assam . . . . .	6,16,037	1,292	..	6,17,329
9. Bihar and Orissa } . . . . .	9,02,741	39,909	..	9,42,650
TOTAL . . . . .	5,61,70,894	5,74,648	1,15,998	5,68,61,540

TABLE 29·5 (B).—SALARIES AND WAGES PAID

Province	Salaries and wages (including bonus and other cash payments)—workers			
	Through contractors			
	Men	Women	Children	Total
6	7	8	9	
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	23,62,615	49,896	889	24,13,400
2. Bombay . . . . .	3,04,328	6,410	..	3,10,738
3. Madras . . . . .	24,443	..	531	24,974
4. U. P. . . . .	49,614	..	..	49,614
5. East Punjab . . . . .	45,212	..	..	45,212
6. C. P. and Berar . . . . .	..	..	..	..
7. Delhi . . . . .	4,649	..	..	4,649
8. Assam . . . . .	..	..	..	..
9. Bihar and Orissa } . . . . .	7,697	..	..	7,697
TOTAL . . . . .	27,98,558	56,306	1,420	28,56,284

TABLE 29.5 (C).—SALARIES AND WAGES PAID

Province	Total salaries and wages paid		Money value of other benefits or privileges	Total salaries, wages, etc.
	Workers	Persons other than workers		
	10	11	12	13
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	2,74,75,108	92,68,449	21,43,010	3,88,86,567
2. Bombay . . . . .	2,08,79,159	57,90,068	8,02,392	2,74,71,619
3. Madras . . . . .	51,33,396	10,74,643	1,58,713	63,66,752
4. U. P. . . . .	13,69,503	4,53,588	1,582	18,24,673
5. East Punjab . . . . .	11,97,995	2,43,082	2,906	14,43,983
6. C. P. and Berar . . . . .	8,90,496	1,59,604	4,687	10,54,787
7. Delhi . . . . .	12,04,491	2,25,722	3,990	14,34,203
8. Assam . . . . .	6,17,329	43,694	2,33,948	8,94,971
9. Bihar and Orissa . . . . .	} 9,50,347	3,13,372	26,660	12,90,379
TOTAL . . . . .				

TABLE 29.6(A).—FUELS, ELECTRICITY, LUBRICANTS ETC., CONSUMED  
(QUANTITY)

(Fuels etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel Oils
1	2	3	4	5	6
	Tons	Tons	Mds.	Mds.	Gallons
1. West Bengal . . . . .	47,871	49,052	12,169	61,746	6,80,196
2. Bombay . . . . .	4,936	14,136	11,890	68,877	3,72,566
3. Madras . . . . .	2,728	2,433	15,360	13,031	52,625
4. U. P. . . . .	1,318	1,323	3,446	13,872	6,680
5. East Punjab . . . . .	1,138	1,996	2,720	4,359	25,295
6. C. P. and Berar . . . . .	532	1,416	40	220	5,228
7. Delhi . . . . .	954	1,827	8,362	2,922	1,210
8. Assam . . . . .	955	239	..	..	29,230
9. Bihar and Orissa . . . . .	} 1,612	253	15	4,547	2,885
TOTAL . . . . .					

**TABLE 29.6 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(QUANTITY)**  
(Fuels, etc., produced in the factory are excluded)

Province	Coal gas 7	Electricity 8	Water 9	Lubricants	
				Oils 10	Others 11
	1,000 Cub. ft.	K. W. H.	1,000 Gallons	Gallons	
1. West Bengal .	23,189	1,46,66,077	1,10,326	93,140	2,113
2. Bombay .	29,156	67,53,522	63,379	45,541	455
3. Madras . .	..	19,15,889	14,287	20,373	347
4. U. P. . .	..	8,23,538	4,582	5,190	108
5. East Punjab .	..	20,21,318	40,440	4,427	42
6. C. P. and Berar	.	6,24,403	476	3,113	10
7. Delhi . .	73	4,79,317	7,414	5,540	80
8. Assam . .	..	4,07,797	5,830	7,270	17
9. Bihar and Orissa	..	18,62,385	23,501	3,060	30
<b>TOTAL .</b>	<b>52,418</b>	<b>2,95,54,246</b>	<b>2,70,235</b>	<b>1,87,654</b>	<b>3,222</b>

**TABLE 29.7 (A).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)**  
(Fuels etc., produced in the factory are excluded)

Province	Coal	Coke	Charcoal	Firewood	Fuel Oils	Coal gas
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	11,81,238	16,75,766	52,312	1,21,392	4,34,299	78,371
2. Bombay .	1,58,808	6,36,109	30,264	1,24,431	1,56,821	87,244
3. Madras . .	66,009	1,38,999	63,420	22,672	40,541	..
4. U. P. . .	87,877	1,03,797	12,623	21,422	9,587	..
5. East Punjab .	32,840	1,12,784	17,374	8,626	25,484	..
6. C. P. and Berar	12,856	62,548	125	200	4,809	..
7. Delhi . .	37,551	1,21,174	35,451	6,332	1,216	219
8. Assam . .	20,853	19,201	..	..	11,504	..
9. Bihar and Orissa	31,758	7,838	60	1,591	2,677	..
<b>TOTAL .</b>	<b>16,29,790</b>	<b>28,78,216</b>	<b>2,11,629</b>	<b>3,06,666</b>	<b>6,86,938</b>	<b>1,65,834</b>

TABLE 29·7 (B).—FUELS, ELECTRICITY, LUBRICANTS, ETC., CONSUMED  
(VALUE)

(Fuels, etc., produced in the factory are excluded)

Province	Other fuels	Electricity	Water	Lubricants		Total fuel, etc. consumed
				Oils	Others	
	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	s.
1. West Bengal .	17,441	10,90,576	1,11,390	2,80,647	72,800	51,16,232
2. Bombay .	18,568	5,23,979	57,656	1,31,879	26,997	19,52,756
3. Madras .	26,209	1,85,667	14,054	56,884	9,148	6,23,603
4. U. P. .	2,050	1,01,408	4,354	16,711	2,684	3,62,513
5. East Punjab .	1,003	54,373	41,361	13,992	2,178	3,10,015
6. C. P. and Berar .	443	32,414	284	6,869	733	1,21,281
7. Delhi .	2,681	48,629	3,094	13,628	3,527	2,73,502
8. Assam .	735	50,700	4,585	17,122	1,636	1,26,336
9. Bihar and Orissa	..	1,25,232	9,118	7,728	2,077	1,88,079
TOTAL .	69,130	22,12,978	2,45,896	5,45,460	1,21,780	90,74,317

TABLE 29·8 (A).—MATERIALS CONSUMED  
(QUANTITY)

(Materials, produced in the factory are excluded).

Province	Principal materials					
	Iron and steel					
	Pig iron	Castings	Forgings	Bars and rods	Plates sheets and strips	Angles, shapes and sections
	1	2	3	4	5	6
	Tons	Tons	Tons	Tons	Tons	Tons
1. West Bengal .	74,301	8,266	424	31,037	40,742	11,431
2. Bombay .	10,010	2,528	124	8,000	28,708	5,750
3. Madras .	3,140	819	17	1,238	3,494	3,034
4. U. P. .	1,377	346	2	461	742	116
5. East Punjab .	4,329	700	..	1,349	1,027	2,171
6. C. P. and Berar .	129	Nominal	..	275	849	1,789
7. Delhi .	3,331	951	12	784	977	228
8. Assam .	62	..	..	33	65	25
9. Bihar and Orissa	289	429	41	83	108	117
TOTAL .	96,968	14,039	620	43,260	76,710	24,661

TABLE 29·8 (B).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Principal materials			
	Iron and steel			
	Girders, beams and joists	Wrought tubes	Other iron and steel	Total iron and steel
	8	9	10	11
	Tons	Tons	Tons	Tons
1. West Bengal . . . . .	6,960	1,793	50,118	2,25,072
2. Bombay . . . . .	1,438	140	7,011	63,707
3. Madras . . . . .	234	17	1,026	13,019
4. U. P. . . . .	3	8	359	3,414
5. East Punjab . . . . .	59	..	269	9,904
6. C. P. and Berar . . . . .	202	..	139	3,383
7. Delhi . . . . .	21	7	158	6,469
8. Assam . . . . .	3	..	1	189
9. Bihar and Orissa . . . . .	52	7	264	1,390
TOTAL . . . . .	8,972	1,972	59,345	3,26,547

TABLE 29·8 (C).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Principal materials			
	Brass			
	Circles, plates, sheets, and strips	Castings	Other brass materials	Total
	12	13	14	15
	Cwt.	Cwt.	Cwt.	Cwt.
1. West Bengal . . . . .	5,360	3,381	7,104	15,845
2. Bombay . . . . .	7,663	2,042	13,285	22,990
3. Madras . . . . .	104	111	812	1,027
4. U. P. . . . .	2,335	316	1,629	4,280
5. East Punjab . . . . .	48	46	3,809	3,903
6. C. P. and Berar . . . . .	185	..	53	238
7. Delhi . . . . .	2,678	255	787	3,720
8. Assam . . . . .	27	..	90	117
9. Bihar and Orissa . . . . .	1	2	51	54
TOTAL . . . . .	18,401	6,153	27,620	52,174

TABLE 29·8 (D).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Principal materials					
	Copper			Lead		
	Circles, plates, sheets and strips	Other copper materials	Total	Pig lead	Other lead	Total
	16	17	18	19	20	21
	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.
1. West Bengal . . .	1,084	1,998	3,082	1,694	1,233	2,927
2. Bombay . . .	772	840	1,612	4,565	2,136	6,701
3. Madras . . .	70	401	471	199	90	289
4. U. P. . .	40	68	108	70	113	183
5. East Punjab . . .	23	697	720	1	25	26
6. C. P. and Berar . . .	1	212	213	25	Nominal	25
7. Delhi . . .	75	10	85	34	25	59
8. Assam . . .	1	8	9	9	..	9
9. Bihar and Orissa . . .	7	81,206	81,213	5,472	16	5,488
<b>TOTAL</b> . . .	<b>2,073</b>	<b>540</b>	<b>87,513</b>	<b>12,069</b>	<b>3,638</b>	<b>15,707</b>

TABLE 29·8 (E).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Principal materials				
	Aluminium				Total
	Ingots and slabs	Circles, plates, sheets and strips	Other aluminium	Total	
	22	23	24	25	26
	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.
1. West Bengal . . .	1,614	323	504	2,441	60,582
2. Bombay . . .	59	11,385	835	12,279	7,653
3. Madras . . .	37	45	238	320	866
4. U. P. . .	100	6	37	143	35
5. East Punjab . . .	2	32	91	125	110
6. C. P. and Berar . . .	..	..	10	10	3
7. Delhi . . .	..	60	871	931	1,166
8. Assam . . .	..	..	2	2	3
9. Bihar and Orissa . . .	..	..	..	..	282
<b>TOTAL</b> . . .	<b>1,812</b>	<b>11,851</b>	<b>2,588</b>	<b>16,251</b>	<b>70,700</b>

TABLE 29·8 (F).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Principal materials				
	Zinc	Non-ferrous alloys, except brass	Electric wire cables	Electric motor	Timber other than for packing purposes
	27	28	29	30	31
	Cwt.	Cwt.	Cwt.	No.	Cub. ft.
1. West Bengal . . . . .	39,322	1,555	4,948	439	80,559
2. Bombay . . . . .	4,930	4,117	2,669	478	77,517
3. Madras . . . . .	115	733	87	36	40,862
4. U. P. . . . .	832	91	38	27	22,971
5. East Punjab . . . . .	991	Normal	86	1	580
6. C. P. and Berar . . . . .	8,800	9	8	5	4,671
7. Delhi . . . . .	75	26	Normal	33	1,260
8. Assam . . . . .	Normal	1	7	...	833
9. Bihar and Orissa } . . . . .	26	2	6	2	3,468
TOTAL . . . . .	55,091	6,534	7,849	1,021	2,32,721

TABLE 29·8 (G).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Chemicals			
	Acetylene	Oxygen	Sulphuric acid	Paints and varnishes
	32	33	34	3
	Cub. ft.	Cub. ft.	Cwt.	Cwt.
1. West Bengal . . . . .	4,94,177	18,89,308	11,401	9,614
2. Bombay . . . . .	3,93,720	12,50,946	1,788	6,672
3. Madras . . . . .	5,287	3,41,648	223	720
4. U. P. . . . .	39,486	1,09,156	130	192
5. East Punjab . . . . .	1,701	58,755	132	39
6. C. P. and Berar . . . . .	...	2,474	2,423	55
7. Delhi . . . . .	2,000	97,820	109	468
8. Assam . . . . .	1,030	11,762	55	4
9. Bihar and Orissa . . . . .	5,762	21,370	154	133
TOTAL . . . . .	9,43,163	37,83,239	16,415	17,897

TABLE 29·8 (H).—MATERIALS CONSUMED  
(QUANTITY)  
(Materials produced in the factory are excluded)

Province	Packing materials				
	Hessian and gunny cloth	Paper, all kinds	Straw board and other boards	Timber	Wooden cases and crates
	36	37	38	39	40
	Yds	Cwt.	Cwt.	Cub. ft.	No.
1. West Bengal .	5,48,700	686	1,562	1,54,335	34,339
2. Bombay .	3,36,049	1,288	8,359	52,109	43,244
3. Madras .	12,510	58	48	24,481	2,825
4. U. P. .	3,210	56	73	14,882	1,797
5. East Punjab .	62,370	47	123	2,990	7,069
6. C. P. and Berar .	..	1	2	..	800
7. Delhi .	11,760	32	212	1,353	345
8. Assam .	1,160	..	..	725	..
9. Bihar and Orissa	2,44,923	114	860	48,038	365
				Rs.	
TOTAL .	12,20,682	2,282	11,239	2,98,913	196,784

TABLE 29·9 (A).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Principal materials				
	Pig iron	Castings	Forgings	Bars and rods	Plates, sheets and strips
	1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	58,05,057	24,10,065	3,00,806	78,93,972	1,42,92,466
2. Bombay .	11,13,039	8,99,322	71,649	22,43,714	1,30,89,246
3. Madras .	3,90,963	1,66,207	22,577	2,93,602	13,09,317
4. U. P. .	1,53,447	55,287	1,620	1,67,440	2,83,559
5. East Punjab .	5,84,908	1,74,150	..	5,08,213	4,09,833
6. C. P. and Berar	13,213	141	..	82,855	2,63,611
7. Delhi .	4,22,143	1,24,792	5,110	3,24,369	3,30,782
8. Assam .	8,796	..	..	8,343	28,438
9. Bihar and Orissa	31,816	1,08,736	8,374	26,370	30,634
Total .	85,23,382	39,38,700	4,10,136	1,15,48,878	3,00,37,886

TABLE 29.9 (B).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Pr. vince	Principal materials				
	Iron and steel				
	Angles, shapes and sections	Girders, beams and joists	Wrought tubes	Other iron steel	Total
	7	8	9	10	11
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	28,41,757	20,60,061	5,66,403	79,23,033	4,40,93,620
2. Bombay . . .	16,12,123	3,30,929	1,00,185	15,80,772	2,10,40,979
3. Madras . . .	7,91,768	64,157	10,512	2,41,564	32,90,667
4. U. P. . . . .	47,058	1,091	5,404	93,401	8,08,307
5. East Punjab .	9,01,527	18,608	..	1,77,159	27,74,398
6. C. P. and Berar	4,85,886	40,551	..	76,372	62,629
7. Delhi . . . .	67,714	6,234	2,250	86,819	1, 0,213
8. Assam . . . .	8,285	1,466	..	706	56,034
9. Bihar and Orissa	32,562	13,310	4,962	51,770	3,08,534
<b>TOTAL . . . .</b>	<b>67,88,680</b>	<b>25,36,407</b>	<b>6,89,716</b>	<b>1,02,31,596</b>	<b>7,47,05,381</b>

TABLE 29.9 (C).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Principal Materials			
	Brass			
	Circles, plates sheets and strips 12	Castings 13	Other brass materials 14	Total 15
	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	5,80,759	4,33,334	5,63,231	15,77,324
2. Bombay . . .	9,65,954	2,50,908	8,54,871	20,71,733
3. Madras . . .	12,653	12,217	56,026	80,896
4. U. P. . . . .	1,88,396	39,510	98,600	3,26,506
5. East Punjab .	9,171	7,733	2,54,125	2,71,029
6. C. P. and Berar .	28,806	..	3,625	32,431
7. Delhi . . . .	2,17,125	23,832	70,946	3,11,903
8. Assam . . . .	3,305	..	6,877	10,182
9. Bihar and Orissa	94	279	5,772	6,145
<b>TOTAL . . . .</b>	<b>20,06,263</b>	<b>7,67,813</b>	<b>19,14,073</b>	<b>46,88,149</b>

TABLE 29·9 (D).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Principal materials					
	Copper			Lead		
	Circles, plates, sheets and strips	Other copper	Total	Pig lead	Other lead	Total
	16	17	18	19	20	21
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . .	1,37,943	2,17,402	3,55,345	69,986	60,574	1,30,560
2. Bombay . . .	1,35,149	1,00,535	2,35,684	2,25,681	1,16,931	3,42,612
3. Madras . . .	11,887	53,716	65,603	12,315	8,095	20,410
4. U. P. . .	7,514	6,000	13,514	4,416	3,500	7,916
5. East Punjab . . .	7,300	83,668	90,968	65	1,372	1,437
6. C. P. and Berar . . .	362	18,250	18,612	775	20	795
7. Delhi . . .	7,432	1,060	8,492	2,272	1,280	3,552
8. Assam . . .	200	912	1,112	681	..	681
9. Bihar and Orissa . . .	1,698	52,02,942	52,04,640	1,93,867	914	1,94,781
TOTAL . . .	3,09,485	56,84,485	59,93,970	5,10,058	1,92,686	7,02,744

TABLE 29·9 (E).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Principal materials			
	Aluminium			
	Ingots and slabs	Circles, plates, sheets and strips	Other aluminium	Total
		23	24	25
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . .	1,81,862	53,446	45,741	2,81,049
2. Bombay . . .	6,456	16,04,977	1,21,970	17,33,412
3. Madras . . .	6,176	7,266	17,842	31,284
4. U. P. . .	8,850	777	2,183	11,810
5. East Punjab . . .	182	4,000	7,317	11,499
6. C. P. and Berar . . .	..	..	514	514
7. Delhi . . .	..	6,720	45,159	51,879
8. Assam . . .	55	..	124	179
9. Bihar and Orissa . . .	..	8	..	8
TOTAL . . .	2,03,581	16,77,194	2,40,859	21,21,634

TABLE 29·9 (F).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Principal materials			
	Tin	Zinc	Non-ferrous alloys except brass	Electric wire and cables
	26	27	28	29
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	50,51,614	15,25,554	3,01,328	5,20,222
2. Bombay . . . . .	15,77,666	3,22,656	3,94,982	1,87,158
3. Madras . . . . .	1,44,755	10,900	1,06,672	11,891
4. U. P. . . . .	7,468	39,700	7,075	13,775
5. East Punjab . . . . .	32,367	42,192	22	27,356
6. C. P. and Berar . . . . .	860	3,96,020	805	1,218
7. Delhi . . . . .	58,598	2,395	4,131	56
8. Assam . . . . .	1,312	9	528	1,280
9. Bihar and Orissa . . . . .	67,522	1,161	725	569
<b>TOTAL</b> . . . . .	<b>69,42,162</b>	<b>23,40,587</b>	<b>8,16,268</b>	<b>7,63,519</b>

TABLE 29·9 (G).—MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Principal materials			
	Electric motors	Timber other than for for packing	Other principal materials	Total
	30	31	32	33
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	2,94,195	4,50,321	45,33,995	5,91,15,127
2. Bombay . . . . .	2,02,514	7,40,523	79,84,522	3,68,34,441
3. Madras . . . . .	21,341	7,67,959	2,75,447	48,27,825
4. U. P. . . . .	15,826	85,823	1,46,004	14,83,724
5. East Punjab . . . . .	243	5,335	48,242	33,05,082
6. C. P. and Berar . . . . .	2,800	15,927	4,761	14,37,372
7. Delhi . . . . .	10,062	6,768	24,685	18,52,734
8. Assam . . . . .	..	2,956	..	74,273
9. Bihar and Orissa . . . . .	617	19,453	12,04,517	70,08,672
<b>TOTAL</b> . . . . .	<b>5,47,598</b>	<b>20,95,065</b>	<b>1,42,22,173</b>	<b>11,59,39,250</b>

TABLE 29.9 (H).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Chemicals					
	Acetylene	Oxygen	Sulphuric acid	Paints and varnishes	Other chemicals*	Total
	34	35	36	37	38	39
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	88,244	1,12,810	1,80,174	8,15,232	9,50,411	21,46,871
2. Bombay .	64,988	87,879	28,613	6,42,490	10,12,703	18,36,673
3. Madras .	1,040	22,168	5,158	1,33,633	1,05,773	2,67,772
4. U. P. .	8,243	4,610	4,177	23,298	18,569	58,897
5. East Punjab .	349	10,605	2,631	8,164	22,697	44,446
6. C. P. and Berar	..	613	36,402	5,154	40,867	83,036
7. Delhi .	500	15,734	1,831	9,262	22,476	49,803
8. Assam .	206	1,123	672	630	708	3,339
9. Bihar and Orissa	1,020	1,443	2,623	5,996	1,64,686	1,75,768
TOTAL .	1,64,590	2,56,985	2,62,281	16,43,859	23,38,890	46,66,605

TABLE 29.9 (I).—MATERIALS CONSUMED  
(VALUE)

(Materials produced in the factory are excluded)

Province	Packing Materials						
	Hessian and gunny cloth	Paper all kinds	Straw board and other boards	Timber	Wooden cases and crates	Other packing materials*	Total
	40	41	42	43	44	45	46
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal .	1,23,436	33,529	27,158	5,42,901	3,54,467	1,52,856	12,34,347
2. Bombay .	1,08,211	1,16,980	2,92,181	4,69,513	2,01,294	2,46,297	14,34,476
3. Madras .	4,601	1,397	1,080	1,13,107	2,877	23,715	1,46,777
4. U. P. .	718	3,836	882	44,441	6,388	19,019	75,284
5. East Punjab .	13,255	3,118	5,809	11,060	12,756	22,015	68,013
6. C. P. and Berar	..	125	75	..	500	2,157	2,857
7. Delhi .	5,887	2,516	3,496	6,691	18,393	28,876	65,859
8. Assam .	405	..	..	1,632	..	985	3,022
9. Bihar and Orissa	81,641	15,983	59,039	1,63,731	182	1,78,043	4,98,619
TOTAL .	3,38,154	1,77,484	3,89,720	13,53,076	5,96,857	6,73,963	35,29,254

\* The corresponding quantity is not reported in table 29.8 (H) as all the materials are not reported in the same system of units.

TABLE 29·9 (J).—TOTAL MATERIALS CONSUMED  
(VALUE)  
(Materials produced in the factory are excluded)

Province	Total principal materials	Total chemicals	Total packing materials	Other materials	Total materials consumed.
	47	48	49	50	51
	Rs.	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	5,91,15,127	21,46,871	12,34,347	41,51,447	6,66,47,792
2. Bombay . . . . .	3,68,34,441	18,36,673	14,34,476	30,74,174	4,31,79,764
3. Madras . . . . .	48,27,825	2,67,772	1,46,777	17,85,712	70,28,086
4. U. P. . . . .	14,83,724	58,897	75,284	2,00,248	18,18,153
5. East Punjab . . . . .	33,05,082	44,446	68,013	1,81,506	35,99,047
6. C. P. and Berar . . . . .	14,37,372	83,036	2,857	1,25,379	16,48,644
7. Delhi . . . . .	18,52,734	49,803	65,859	65,634	20,34,030
8. Assam . . . . .	74,273	3,339	3,022	13,35,371	14,16,005
9. Bihar and Orissa . . . . .	70,08,672	1,75,768	4,98,619	2,70,519	79,53,578
TOTAL . . . . .	11,59,39,250	46,66,605	35,29,254	1,11,89,990	13,53,25,099

TABLE 29·9 (K).—TOTAL EX-FACTORY VALUE OF MATERIALS CONSUMED

Province	Total value of materials consumed	Cost of transport of materials to factory, commission to purchasing agents, etc., which are not included in previous column	Total ex-factory value of materials consumed
	1	2	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	6,66,47,792	2,92,825	6,69,40,617
2. Bombay . . . . .	4,31,79,764	16,75,171	4,48,54,935
3. Madras . . . . .	70,28,086	40,480	70,68,566
4. U. P. . . . .	18,18,153	7,889	18,26,042
5. East Punjab . . . . .	35,99,047	3,543	36,02,590
6. C. P. and Berar . . . . .	16,48,644	..	16,48,644
7. Delhi . . . . .	20,34,030	30,614	20,64,644
8. Assam . . . . .	14,16,005	..	14,16,005
9. Bihar and Orissa . . . . .	79,53,578	614	79,54,192
TOTAL . . . . .	13,53,25,099	20,51,136	13,73,76,235

TABLE 29.10.—EX-FACTORY VALUE OF FUELS, RAW MATERIALS, ETC.,  
CONSUMED AND WORK DONE FOR INDUSTRY BY OTHER CONCERNS

Province	Fuels, electricity and lubricants	Raw materials, chemicals, etc.	Work done for the industry by other concerns	Total
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	51,16,232	6,69,40,617	7,44,469	7,28,01,318
2. Bombay . . . . .	19,52,756	4,48,54,935	9,11,776	4,77,19,467
3. Madras . . . . .	6,23,603	70,68,566	45,625	77,37,794
4. U. P. . . . .	3,62,513	18,26,042	39,989	22,28,544
5. East Punjab . . . . .	3,10,015	36,02,590	11,480	39,24,085
6. C. P. and Berar . . . . .	1,21,281	16,48,644	1,600	17,71,525
7. Delhi . . . . .	2,73,502	20,64,644	22,507	23,60,653
8. Assam . . . . .	1,26,336	14,16,005	..	15,42,341
9. Bihar and Orissa . . . . .	1,88,079	79,54,192	..	81,42,271
TOTAL . . . . .	90,74,317	13,73,76,235	17,77,446	14,82,27,998

TABLE 29.11 (A).—EX-FACTORY VALUE OF PRODUCTS MADE FOR SALE AND  
WORK DONE FOR CUSTOMERS

Province	Ex-factory net selling value of all products, by-products and waste products made during the year	Amount received for work done for customers on materials supplied by them	Amount received for repair work
1	2	3	4
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	12,25,00,747	34,03,645	36,17,905
2. Bombay . . . . .	8,52,86,419	25,67,730	6,88,773
3. Madras . . . . .	1,32,85,964	2,32,946	34,72,690
4. U. P. . . . .	38,66,181	2,92,835	1,22,590
5. East Punjab . . . . .	54,27,806	1,03,100	1,02,304
6. C. P. and Berar . . . . .	22,82,653	15,427	21,405
7. Delhi . . . . .	42,87,778	19,562	2,01,096
8. Assam . . . . .	19,37,281	1,870	5,23,778
9. Bihar and Orissa . . . . .	1,24,59,401	425	19,257
TOTAL . . . . .	25,13,34,230	66,37,540	87,69,798

TABLE 29.11 (B).—EX-FACTORY VALUE OF PRODUCTS MADE FOR SALE AND WORK DONE FOR CUSTOMERS

Province	Value of work in progress at the end of the year	Value of work in progress at the beginning of the year	Ex-factory value of products [Col. 2+3+4+5-6]
	5	6	7
	Rs.	Rs.	Rs.
1. West Bengal . . . . .	3,92,46,687	3,47,59,405	13,40,09,579
2. Bombay . . . . .	1,03,27,198	1,07,57,332	8,81,12,788
3. Madras . . . . .	2,25,889	12,18,763	1,59,98,726
4. U. P. . . . .	11,02,432	7,20,024	46,64,014
5. East Punjab . . . . .	2,93,471	2,48,771	56,77,910
6. C. P. and Berar . . . . .	3,72,466	3,01,713	23,90,238
7. Delhi . . . . .	3,49,177	3,70,931	44,86,682
8. Assam . . . . .	21,308	22,198	24,62,039
9. Bihar and Orissa . . . . .	7,85,206	5,22,796	1,27,41,493
TOTAL . . . . .	5,27,23,834	4,89,21,933	27,05,43,469

TABLE 29.12.—VALUE ADDED BY MANUFACTURE AND REPAIR WORK

Province	Ex-factory value of products and work done by the industry for customers	Ex-factory value of fuels, raw materials, etc., consumed and work done for the industry by other concerns	Depreciation of fixed assets at the rate allowed for purposes of income-tax	Value of products less cost of materials and fuels less depreciation [col. (2) - col. (3) - col. 4)]
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
1. West Bengal . . . . .	13,40,09,579	7,28,01,318	45,30,163	5,66,78,098
2. Bombay . . . . .	8,81,12,788	4,77,19,467	26,11,838	3,77,81,483
3. Madras . . . . .	1,59,98,726	77,37,794	7,40,762	75,20,170
4. U. P. . . . .	46,64,014	22,28,544	3,18,047	21,17,423
5. East Punjab . . . . .	56,77,910	39,24,085	1,98,177	15,55,648
6. C. P. and Berar . . . . .	23,90,238	17,71,525	2,27,518	3,91,195
7. Delhi . . . . .	44,86,682	23,60,653	1,78,359	19,47,670
8. Assam . . . . .	24,62,039	15,42,341	1,07,490	8,12,208
9. Bihar and Orissa . . . . .	1,27,41,493	81,42,271	1,66,004	44,33,218
TOTAL . . . . .	27,05,43,469	14,82,27,998	90,78,358	11,32,37,113



ACT No. XIX OF 1942<sup>1</sup>

(3rd April, 1942)

[AS MODIFIED UP TO THE 15TH JUNE 1946]

**An Act to facilitate the collection of statistics of certain kinds relating to industries.**

WHEREAS it is expedient to facilitate the collection of statistics of certain kinds relating to industries;

It is hereby enacted as follows:—

**1. Short title, extent and commencement.**—(1) This Act may be called the Industrial Statistics Act, 1942.

(2) It extends to all the Provinces of India.

(3) It shall come into force in a Province on such date as the Provincial Government may, by notification in the official Gazette, appoint in this behalf for such Province.

**2. Definition.**—In this Act “prescribed” means prescribed in rules made under this Act or in any form prescribed by those rules.

**3. Collection of statistics.**—(1) The Provincial Government may, by notification in the official Gazette, direct that statistics shall be collected relating to any of the following matters, namely:—

(a) any matter relating to factories,

(b) any of the following matters so far as they relate to welfare of labour and conditions of labour, namely:—

(i) prices of commodities,

(ii) attendance,

(iii) living conditions, including housing, water supply and sanitation,

(iv) indebtedness,

(v) rents of dwelling-houses,

(vi) wages and other earnings,

(vii) provident and other funds provided for labour,

(viii) benefits and amenities provided for labour,

(ix) hours of work,

(x) employment and unemployment,

(xi) industrial and labour disputes,

and thereupon the provisions of this Act shall apply to the collection of those statistics.

(2) In clause (a) of sub-section (1), “factory” means a factory as defined in clause (j) of section 2 of the Factories Act, 1934, (XXV of 1934), or any premises deemed to be a factory in pursuance of a declaration made under sub-section (1) of section 5 of that Act.

**4. Appointment of statistics authority.**—The Provincial Government may appoint an officer to be the statistics authority for the purposes of the collection of any statistics under this Act.

**5. Power of statistics authority to call for returns and information.**—(1) The statistics authority may serve or cause to be served on any person a notice requiring him to furnish, at such intervals and in such form and with such parti-

<sup>1</sup> For Statement of Objects and Reasons see Gazette of India, 1942, Part V, page 41.

culars as may be prescribed, such information or returns relating to any matter in respect of which statistics are to be collected and to such authority or person and in such manner and at such times as may be prescribed.

(2) The notice referred to in sub-section (1) may be served by post.

**6. Right of access to record or document.**—The statistics authority or any person authorized by him in writing in this behalf shall, for the purposes of the collection of any statistics under this Act, have access to any relevant record or document in the possession of any person required to furnish any information or return under this Act, and may enter at any reasonable time any premises where-in he believes such record or document to be, and may ask any question necessary for obtaining any information required to be furnished under this Act.

**7. Restriction on the publication of returns and information.**—(1) No individual return, and no part of an individual return, made and no information with respect to any particular undertaking given, for the purposes of this Act, shall, without the previous consent in writing of the owner for the time being of the undertaking in relation to which the return or information was made or given, or his authorized agent, be published in such manner as would enable any particulars to be identified as referring to a particular undertaking.

(2) Except for the purposes of a prosecution under this Act or under the Indian Penal Code (XLV of 1860), no person not engaged in connection with the collection of statistics under this Act shall be permitted to see any individual return or information referred to in sub-section (1).

**8. Penalties.**—If any person required to furnish any information or any return—

(a) wilfully refuses or without lawful excuse neglects to furnish such information or return as required under this Act, or

(b) wilfully furnishes or causes to be furnished any information or return which he knows to be false, or

(c) refuses to answer or wilfully gives a false answer to any question necessary for obtaining any information required to be furnished under this Act, or if any person impedes the right of access to relevant records and documents or the right of entry conferred by section 6, he shall for each such offence be punishable with fine which may extend to five hundred rupees, and in the case of a continuing offence <sup>1</sup>[with a further fine] which may extend to two hundred rupees for each day after the first during which the offence continues; and in respect of false information, returns or answers the offence shall be deemed to continue until true information or a true return or answer has been given or made.

**9. Penalty for improper disclosure of information or returns.**—If any person engaged in connection with the collection of statistics under this Act wilfully discloses any information or the contents of any return given or made under this Act otherwise than in the execution of his duties under this Act or for the purposes of the prosecution of an offence under this Act or under the Indian Penal Code (XLV of 1860), he shall be punishable with imprisonment for a term which may extend to six months, or with fine which may extend to one thousand rupees, or with both imprisonment and fine.

**10. Cognizance of Offences.**—No prosecution under section 8 shall be instituted except by or with the sanction of the statistics authority and no prosecution under section 9 shall be instituted except by or with the sanction of the Provincial Government.

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<sup>1</sup> Substituted by the Repealing and Amending Act, 1942 (25 of 1942).

**11. Power of the Central Government to give directions.**—The Central Government may give directions to a Provincial Government as to the carrying into execution of this Act in the Province.

**12. Power of Provincial Governments to make rules.**—(1) The Provincial Government may, subject to the condition of previous publication by notification in the official Gazette, make rules for carrying out the purposes of this Act.

(2) Without prejudice to the generality of the foregoing powers, rules may be made under this section regulating the exercise of the right of access to documents and the right of entry conferred by section 6.

## APPENDIX B

(Extract from the Notice Served on occupiers of Factories under Rule 3.)

\* \* \* \* \*

"All information furnished by you in the return will be treated as confidential and, if published, will be published in combination with information received from other factories in such a manner that no particulars can be identified as referring to any individual factory. This is incumbent under section 7 of the Industrial Statistics Act, 1942, and heavy penalties are prescribed under section 9 of that Act for improper disclosure of information."

## FORM NO. CMI-(2).

(THIS FORM SHOULD BE COMPLETED AND RETURNED IN DUPLICATE TO THE STATISTICS AUTHORITY NOT LATER THAN THE LAST DAY OF FEBRUARY 1947)

To be filled in by the Statistics Authority.

- (1) Name of Province.....  
 (2) Code number of the factory.....

## INDUSTRIAL STATISTICS ACT, 1942

CENSUS OF MANUFACTURING INDUSTRIES RULES, 1945  
 (Return under rules 3 and 4 for the year ending 31st December 1946)

## DECLARATION

I hereby declare that the information furnished in this return is complete and correct to the best of my knowledge and belief.

Signature of the occupier\* of the factory.....

Full name and address of the occupier\*  
 who has signed this return (in block letters) .....

## PART (A)

## GENERAL INFORMATION

1. Name of the factory in respect of which this return is made . . . . .
2. Location of the factory :
  - (i) Street or road . . . . .
  - (ii) Town . . . . .
  - (iii) District . . . . .
  - (iv) Post Office . . . . .
3. Business address of the factory :
  - (i) Street or Road . . . . .
  - (ii) Town . . . . .
  - (iii) District . . . . .
  - (iv) Post Office . . . . .
4. Name and address of the person owning the factory. . . . .
5. Name and address of the managing agent, if any, to whom the affairs of the factory are entrusted . . . . .
6. If the factory is owned by a firm which also owns any other factory or carries on any other business, the following information should be furnished :—
 

Name and address of the undertaking, other than the factory in respect of which this return is made, carried on by the firm.	Total paid up capital of the firm.
(1) .....	(1) Rupee capital Rs.....
.....	(2) Sterling capital £.....
.....	(3) Other foreign capital (state currency unit)

\*The word 'Occupier' is used here in the same sense as in the Factories Act, 1934

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- (2) .....
- (3) .....
7. Year in which the factory first commenced manufacturing operations .....
- or
8. If information under item 7 is not available, the year in which the present owner purchased the factory .....

**PART (B)**  
CAPITAL STRUCTURE AS ON 31st DECEMBER 1946

## TABLE

- (1) Particulars in the table below relate to capital structure as on..... 1946.
- (2) The accounts of the factory are closed on .....and the accounting year of the factory is from.....to.....
- (3) The value of fixed capital items [items II (1) (i) to II (1) (iii)] as entered in this table has been arrived at by writing off depreciation, in respect of the year immediately preceding the date to which these particulars relate, at a rate .....the rate of depreciation prescribed under Section 10 (2) (vi) of the Indian Income-tax Act 1922, [See paragraph (d) of instructions for filling up this Part].

Items of capital (1)	Amount (2)	
<b>I. Paid-up Capital—</b>		
(1) Rupee capital . . . . .	Rs.....	Annual rent paid for any items of fixed capital taken on lease or rent.
(2) Sterling capital . . . . .	£.....	
(3) Other foreign capital (state currency unit)	.....	
	Amount (2)	(3)
<b>II. Productive Capital Employed—</b>		
<b>(1) Fixed Capital—</b>		
(i) Value of factory buildings and land on which the factory is situated . . . . .	.....	.....
(ii) Value of plant, machinery, tools and other mechanical equipment . . . . .	.....	.....
(iii) Value of other fixed assets including such items as furniture, fixtures and fittings, railway sidings, bridges, trade marks, patents, etc. . . . .	.....	.....
<b>(2) Working Capital—</b>		
(i) Value of stocks of raw materials, fuels and other materials used in the manufacturing process . . . . .	.....	
(ii) Value of stocks of finished products . . . . .	.....	
(iii) Value of all other items of working capital . . . . .	.....	
<b>Total productive capital employed [item II (1) plus II (2)] . . . . .</b>		



## PART (C)

PERSONS EMPLOYED, SALARIES AND WAGES PAID AND OTHER CONTRIBUTION  
MADE TO EMPLOYEES DURING THE YEAR ENDING 31st  
DECEMBER, 1946

TABLE

Classification of persons employed		Total number of man-hours worked during the year	Average number of persons employed per day	Total salaries and wages paid in cash during the year less fines and deductions for absence or damage or loss	Total money value of any privilege or benefit or contribution not paid in cash but which is capable of being estimated in terms of money and which accrues to individual employees and not to a group of employees
(1)		(2)	(3)	(4)	(5)
				Rs.	Rs. -
A. Workers	Adults	Men	Employed directly by factory.		
			Employed through contractors		
	Women	Employed directly by factory			
		Employed through contractors.			
	Children	Boys	Employed directly by factory.		
			Employed through contractors.		
		Girls	Employed directly by factory.		
			Employed through contractors.		
	Total .				
	B. Persons other than workers				
Total .					

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## PART (D)

FUEL, ELECTRICITY, COAL GAS, LUBRICATING MATERIALS AND WATER  
PURCHASED AT ANY TIME AND CONSUMED DURING THE YEAR  
ENDING 31st DECEMBER 1946

TABLE

Fuel, electricity, etc. purchased at any time and consumed	Unit of quantity	Quantity purchased at any time and consumed during the year	Purchase value
(1)	(2)	(3)	(4)
<b>I. Fuel</b> (including fuel for generating electricity and coal gas for use in factory or for sale)— 1. Coal (all kinds) . . . . . 2. Coke (all kinds) . . . . . 3. Charcoal . . . . . 4. Firewood . . . . . 5. Fuel oils . . . . . 6. Other fuels (value only) . . . . .	Ton. Ton. Maund (of 82 2/7 lbs.) Maund (of 82 2/7 lbs.) Gallon —	..... ..... ..... ..... ..... .....	Rs. ..... ..... ..... ..... .....
<b>II. Electricity</b> (including electricity for lighting purposes) . . . . .	Kilowatt hour	.....	.....
<b>III. Coal Gas</b> . . . . .	1000 Cub. ft.	.....	.....
<b>IV. Lubricating materials—</b> 1. Lubricating oils . . . . . 2. Other lubricants . . . . .	Gallon. Gallon. Cwt.	..... ..... .....	..... ..... .....
<b>V. Water</b> . . . . .	1000 Gallons.	.....	.....
		<b>Total</b> . . . . .	.....

## PART (E)

MATERIALS PURCHASED AT ANY TIME AND CONSUMED DURING THE YEAREND-  
ING 31ST DECEMBER 1946, IN THE MANUFACTURE OF PRODUCTS AND  
BY-PRODUCTS MADE FOR SALE AND WORK GIVEN OUT  
DURING THE SAME YEAR

TABLE

Materials [other than those specified in Part (D)] purchased and consumed in the manufacture of products and by-products made for sale and work given out  (1)	Unit of quantity  (2)	Quantity and purchase value of materials [other than those specified in Part (D)] purchased at any time and consumed during the year					
		Indigenous		Imported		Not known whether indigenous or imported	
		Quantity (3)	Purchase value (4)	Quantity (5)	Purchase value (6)	Quantity (7)	Purchase value (8)
<b>I. Basic materials—</b>			Rs.		Rs.		Rs.
<b>II. Chemicals (specify important items)—</b>							
<b>III. Packing materials—</b>							
<b>IV. Other materials including consumable stores—</b>							
Total (of values only)		....	—	—	....	—	....
						Amount paid for work done	
						Rs.	
<b>V. Amount paid to other firms or factories for work done on materials given out.</b>						.....	

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## PART (F)

PRODUCTS AND BY-PRODUCTS MADE AND WORK DONE DURING THE YEAR  
ENDING 31st DECEMBER 1946

TABLE

Products and by-products made for sale and work done  (1)	Unit of quantity  (2)	Quantity made during the year for sale  (3)	Ex-factory net selling value  (4)
<b>I. Products</b>			Rs.
<b>II. By-products</b>			
Total			.....
			Amount received for work done
			Rs.
<b>III. Work done for other firms or customers on materials supplied by them.</b>			.....
Total value of products and by-products made for sale and work done			Rs.....

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