

# THE NATIONAL SAMPLE SURVEY

NUMBER 22

REPORT ON  
THE SAMPLE SURVEY OF MANUFACTURING  
INDUSTRIES : 1952



सत्यमेव जयते

Issued by

The Cabinet Secretariat : Government of India

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## ACKNOWLEDGEMENT

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### REPORT ON THE SAMPLE SURVEY OF MANUFACTURING INDUSTRIES : 1952

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# THE NATIONAL SAMPLE SURVEY

## NUMBER 22

### REPORT ON

#### THE SAMPLE SURVEY OF MANUFACTURING INDUSTRIES : 1952

*This Report on the Sample Survey of Manufacturing Industries 1952 was prepared by the Indian Statistical Institute and is being published in the form in which it was submitted to the Government of India. The views contained in this report are not necessarily those of the Government of India.\**

### CHAPTER ONE

#### INTRODUCTION

1.1. The second round of the sample survey of manufacturing industries in respect of establishments registered under the Factories Act, 1948 was conducted in 1953 to collect data for the calendar year 1952. Except for a change in the reference year from 1951 to 1952, there is hardly any difference between the two rounds of the survey<sup>1</sup>.

1.2. *Coverage* : This survey covered all establishments in India excluding Jammu and Kashmir, registered under sections 2m(i) and 2m(ii) of the Factories Act, 1948, i.e., those using power and engaging 10 or more workers on any day during the year and those engaging 20 or more workers but not using power, respectively. These manufacturing establishments are classified into 63 broad industrial groups under the Census of Manufacturing Industries Rules, 1945. Out of these, the establishments under the control of the Ministries of Railways and Defence were excluded from the scope of the survey.

1.3. *Sampling design* : The frame for sampling of establishments was prepared on the basis of lists obtained from the registers maintained in the offices of the Chief Inspectors of Factories of the various States. It was found that for India as a whole there were altogether 28872 factories in 1952, out of which 23204 were registered under section 2m(i) of the Indian Factories Act of 1948, and 5668 under section 2m(ii) of the said Act.

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\* The draft report (No. D. 24) was submitted to the Government of India in June 1958.

<sup>1</sup> The first sample survey of manufacturing industries (SSMI) in India was conducted in 1951 at the instance of the National Income Committee to collect information for two calendar years, namely, 1949 and 1950; but the frame for this survey comprised establishments registered under section 2(j) of the Factories Act, 1934, i.e., power-operated establishments employing 20 or more workers on any day during the year. Moreover, the Directorate of Industrial Statistics was made responsible for the organisation of this survey whereas the Directorate of National Sample Survey was entrusted with this work in subsequent surveys.

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1.4. In determining the sample size the main consideration was cost. Appropriate sample size was selected on a *a priori* grounds with the object of getting all-India estimates of the value added by the manufacturing sector as a whole.

1.5. It was decided that about 3000 factories should be selected for the purpose of this survey. This total of 3000 was split into two categories proportional to the total number of workers under each of them. The first category, covering the establishments registered under section 2m(i) of the Factories Act, constituted the major part of the total number of establishments. The allocation among the 61 industries (and their sub-groups) was proportional to the product of the total number of workers and the standard deviation of output per worker (obtained from the results of the survey of 1949 and 1950). Within each industry the samples were then drawn after stratifying the list of factories, arranged in descending order of number of workers. The stratum size in each of these industries was arrived at by dividing the total number of workers by the total number of samples allocated therein. In some cases individual factories were found to be employing the number of workers scheduled to form a stratum. Such cases automatically were listed as samples. The remaining establishments were so stratified that the size of the stratum was 4, 6, 8, 12, 18, 24, 36, 48, 72, 96, 114, 144 or 192 establishments and from each stratum two sample units were selected at random but without replacement.

1.6. The second category of factories, falling under section 2m(ii) of the Factories Act, were very few in the case of certain industries and there were marked clustering in regard to certain others. Here the allocation was governed by the proportion of total number of workers employed under each industry type. Stratification and selection of samples were done separately for 15 industries as in the case of factories under section 2m(i). The remaining industry classes were lumped into a few groups, and samples were selected as before considering each group as one industry.

1.7. *Sample Coverage*: The samples selected covered 10.4 per cent and 58.1 per cent of the total number of factories and workers respectively. There are some variations as between factories using and not using power in this respect, as may be seen from the following table.

TABLE (1.1): SAMPLE COVERAGE

type of factory	number of factories			number of workers(000)		
	universe	sample	percentage covered	universe	sample	percentage covered
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. using power	23,204	2,665	11.5	2,527	1,577	62.4
2. not using power	5,668	338	6.0	309	71	22.9
3. all factories	28,872	3,003	10.4	2,836	1,648	58.1



1.8. *Estimation Procedure* : The aggregate estimate for any industry is a sum of aggregate estimates in respect of the constituent strata obtained by inflation factors which are reciprocals of the sampling fractions. A number of tables show estimates by sub-samples. In these cases only one sample out of the two in a stratum has been considered in each case. In regard to a stratum which involves only one factory constituting it the aggregates for such strata have to be added to the independent estimates obtained from the strata with two samples in each.

#### QUESTIONNAIRE

1.9. The questionnaire contained different items and particularly the following :

- (1) value of fixed capital which included land and buildings, plant and machinery, and other fixed assets;
- (2) value of working capital which included stocks of fuel and raw materials, stocks of products and by-products, and partly finished products, and cash in hand and at bank;
- (3) rent on fixed assets secured on lease;
- (4) duration of working period;
- (5) labour employed with various breakdowns, and wages and salaries paid to them;
- (6) value and quantity of input which included fuels, electricity, raw materials, chemicals and work done for the factory by other concerns; and
- (7) value and quantity of output which included products and by-products, and work done by the factory for customers.

A facsimile of the schedule of inquiry has been annexed for facility of reference.

#### CONCEPTS AND DEFINITIONS

1.10. *Establishments* : Factories registered under sections 2m(i) and 2m(ii) of the Indian Factories Act, 1948, were taken into account.

1.11. *Fixed and working capital* : All particulars about the capital items were obtained as they stood in the books of accounts of the establishments on 31st December, 1952. Where, however, the closing date occurred anywhere between May and December of 1952, the information was taken as on that date. Where the closing date was later than December, 1952 but within April, 1953, the information was collected as on the date after December, 1952.

1.12. The book value of fixed capital generally represented the price of installations plus the value of improvements and additions made minus the value of obsolescences and sales and the annual depreciation charges since the date of installation. The book values of different items of working capital generally represented the following: (a) the inventory values of raw materials, fuels, etc., represented value

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at cost; (b) in the case of finished products only ex-factory value was taken into account; (c) appropriate imputed values adopted by the factory for obtaining inventory valuation were recorded in regard to semi-finished products; and (d) cash in hand and at bank was recorded according to the position found in the accounts.

1.13. *Number of working days* : It means the number of days on which any manufacturing operation was carried on in the factory. The days on which repair and maintenance work only was done were excluded.

1.14. *Number of persons employed* : The average number of persons employed by each factory, under various heads, such as workers, persons other than workers, etc., was computed by dividing the total attendance on all working days by the total number of such working days during the period under reference. The number of persons employed on any working day would be equal to the total attendance in all the shifts. In recording the total attendance no distinction was made between substitute or temporary employees and permanent employees. In other words, this term meant average attendance per working day.

1.15. *Worker* : A worker would be any person employed for wages in the manufacturing process or in any kind of work incidental to or directly connected with the manufacturing process but would not include any person solely employed in a clerical capacity or engaged in supervisory cadres. Information on number of workers employed through contractors was sought but could not be obtained.

1.16. *Persons other than workers* : This term included all clerical, supervisory, administrative and technical staff, the watch and ward staff including office peons, orderlies etc.

1.17. *Man-hours worked* : Man-hour calculations related only to workers directly employed by the establishments. In order to arrive at total man-hours, the days, both working and those on which maintenance and repair work only was done, were taken into consideration. The number of man-hours worked on any day would be obtained by adding, for all the shifts, the product of the total attendance in the shift and the length of that shift in hours.

1.18. *Wages and salaries* : Salaries, wages and other emoluments included, besides salaries and wages, allowances (cost of living, D.A., overtime allowances) and any other payments in cash to individual workers, such as bonuses and compensation for accidents.

1.19. *Other benefits* : These included various benefits over and above wages, such as free or subsidised housing, foodgrains at concessional rates, etc. In addition, employers' contributions to employees' provident fund were also recorded.

1.20. *Fuels and materials consumed* : This excluded any fuels or materials manufactured within the factory and consumed in it. Electrical energy generated and consumed within the factory was a case in point. The coal used in generating the energy was, however, included since it was brought into the factory from outside.

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1.21. *Value of fuels, materials, etc. at factory* : This was the cost of materials, etc., delivered at the factory and included purchase price transport charges and other incidental costs.

1.22. *Work done for factory by other concerns* : This term denoted the cost of services rendered to the factory by other concerns and by individuals other than its own employees.

1.23. *Work done for customers* : Value of industrial servicing rendered to customers was covered by this item.

1.24. *Input* : It consisted of the values of fuel, raw materials and chemicals, energy and industrial servicing purchased from other concerns.

1.25. *Output* : This term comprised the ex-factory values of products and by-products and the industrial servicing sold to other concerns.

1.26. *Value added by manufacture* : This represented the difference between the values of output and input, gross of depreciation.

## CHAPTER TWO

### RESULTS OF THE SURVEY

2.1. Figures for the whole of India have been presented below in a number of tables.

#### FIXED CAPITAL AND WORKING CAPITAL

2.2. Estimates of fixed and working capital used in all the industries taken together for 1952 are shown in Table (2.1).

TABLE (2.1) : ESTIMATES OF FIXED AND WORKING CAPITAL FOR ALL INDUSTRIES IN 1952

number of samples : 3,003

item	estimated value in rupees. (crores)	percentage to total		
		fixed capital	working capital	total capital
(1)	(2)	(3)	(4)	(5)
1. land and building	247.59	32.21	—	16.40
2. plant and machinery	449.19	58.43	—	29.76
3. other fixed assets	71.95	9.36	—	4.77
4. total fixed capital (1 to 3)	768.73	100.00	—	50.93
5. raw materials, fuels in stock	351.40	—	47.44	23.28
6. finished and semi-finished products in stock	305.74	—	41.27	20.25
7. cash in hand and at bank	83.63	—	11.29	5.54
8. total working capital (5 to 7)	740.77	—	100.00	49.07
9. total fixed and working capital (4 and 8)	1509.50	—	—	100.00
10. rent etc. paid on total fixed capital	4.43	0.58	—	—

2.3. The total value of fixed capital estimated for all industrial establishments was about Rs.769 crores in 1952. Of the total, the proportion for plant and machinery was 58.4 per cent and that for land and buildings 32.2 per cent. Other fixed assets such as furniture, transport equipments, etc., amounted to 9.4 per cent only. Rent paid by industries on fixed assets during 1952 was negligible and amounted to less than 1 per cent of the total value of fixed assets.

2.4. The total value of working capital was about Rs.741 crores. Raw materials and fuels in stock formed about 47 per cent of the working capital, stock of finished and semi-finished products about 41 per cent, and cash in hand and at bank about 11 per cent. Total value of fixed and working capital came to about Rs.1509 crores, and the ratio between the two was  $\frac{51}{49}$ .

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EMPLOYMENT AND EARNINGS

2.5. Table (2.2) gives the estimates of the number of workers and persons other than workers, per working day.

TABLE (2.2) : ESTIMATED NUMBER OF PERSONS EMPLOYED PER WORKING DAY IN 1952

number of samples : 3,003

item	number in thousands	percentage to total
(1)	(2)	(3)
1. workers	2,580	87.66
2. persons other than workers	363	12.34
3. total	2,943	100.00

2.6. The total number of employees per working day in 1952 was estimated at 29.43 lakhs ; of them 87.66 per cent were workers, and the rest 'persons other than workers'.

2.7. Estimates of wages, salaries and benefits paid to the employees in 1952 are shown in Table (2.3). Total remunerations paid to all employees amounted to Rs.320.25 crores. Of this, 95.84 per cent constituted wages and salaries and 4.16 per cent other benefits. Read with figures of Table (2.2), it will be seen that the workers who were 88 per cent of the employees received a little over 72 per cent of total wages and salaries and 'persons other than workers' constituting about 12 per cent of employees received a little over 21 per cent of total wages and salaries. Payments made to employees through contractors amounted to Rs.6.98 crores. The number employed by contractors could not, however, be ascertained.

TABLE (2.3) : ESTIMATES OF WAGES, SALARIES AND BENEFITS PAID TO EMPLOYEES IN 1952

number of samples : 3,003

item	amount in rupees (crores)	percentage to total
(1)	(2)	(3)
1. wages to workers	231.84	72.40
2. payment to employees through contractors	6.98	2.18
3. salaries to employees other than workers	68.12	21.26
4. total	306.94	95.84
5. other benefits	13.31	4.16
6. total of all payments (4+5)	320.25	100.00

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2.8. Figures for man-hours for all the industries taken together for the year 1952 are given in Table (2.4). It may be noted that difficulties in field operation restricted the design of the schedule to the recording of the combined figures of man-hours worked for production as well as for repair and maintenance. As a result, the estimate for man-hours worked per worker could not exclude the man-hours spent on repair and maintenance. But the latter is of such a small dimension that it need not deflect the result appreciably. On average, the total wage for a worker in 1952 came to Rs.899 and the average per working day was Rs.4.24. The total salary per 'person other than workers' came to Rs.1875 in 1952 and the average per working day was Rs.8.84. It is needless to mention that the estimated earnings are approximate because the average number of persons employed has been calculated on the basis of working days only whereas remunerations covered those days on which repairs and maintenance work was done.

TABLE (2.4): ESTIMATES OF MAN-HOURS WORKED, RATE OF EARNING AND NUMBER OF WORKING DAYS IN 1952

item	estimate
(1)	(2)
1. man-hours worked in 1952 in crore hours	563.42
2. man-hours per worker in hours	2184
3. earning per man-hour in rupees	0.41
4. number of working days per establishment in days	212

2.9 Table (2.5) shows the average earnings of workers and other employees for 1952.

TABLE (2.5): EARNING PER PERSON FOR THE YEAR AND PER WORKING DAY IN 1952

item	earning for the year in rupees	earning per working day in rupees
(1)	(2)	(3)
1. workers	899	4.24
2. persons other than workers	1,875	8.84
3. all employees	1,019	4.81

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INPUT, OUTPUT AND VALUE ADDED

2.10. Table (2.6) shows estimated values of input, output with breakdowns and value added by manufacture.

TABLE (2.6): ESTIMATED VALUES OF INPUT, OUTPUT AND VALUE ADDED BY MANUFACTURE IN 1952

item	estimated value in rupees (crores)	percentage to total	
		input	output
(1)	(2)	(3)	(4)
1. fuels, lubricants and electricity consumed	81.69	5.59	3.94
2. raw materials consumed	1362.79	93.28	65.71
3. work done for the factory by other concerns	16.44	1.13	0.79
4. value of input	1460.92	100.00	70.44
5. products and by-products	1999.64	—	96.42
6. work done by the factory for other concerns	74.22	—	3.58
7. value of output	2073.86	—	100.00
8. value added (7-4)	612.94	—	29.56

2.11. The value of total input in 1952 for all industries was estimated at Rs.1460.92 crores. Value of raw materials amounted to Rs.1362.79 crores or 93 per cent of the total input. Value of work done by other concerns came to only 1.13 per cent. The value of total output for the year was estimated at Rs.2073.86 crores. Products and by-products accounted for Rs.1999.64 crores, or 96.42 per cent, and earnings for services rendered Rs.74.22 crores or 3.58 per cent of the total output. The value added by manufacture gross of depreciation was estimated at Rs.612.94 crores. The proportion of this amount to total value of output was 29.56 per cent.

FABRIKES USING POWER AND NOT USING POWER

2.12. About 80 per cent of all the registered establishments were using power and about 20 per cent were not using power. Comparisons have been made on the basis of a number of selected items to show the relative importance of the two groups. Table (2.7) gives the totals in regard to these items for the total groups separately and for all the factories taken together. Taking the totals of all factories as 100, the proportions for the two groups have also been shown.

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TABLE (2.7): COMPARISONS BETWEEN FACTORIES USING POWER AND NOT USING POWER ON THE BASIS OF A FEW SELECTED ITEMS IN 1952

item	unit	total			percentage		
		facto- ries using power	facto- ries not using power	all facto- ries	facto- ries using power	facto- ries not using power	all facto- ries
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. plant and machinery	rupees (crore)	447.05	2.14	449.19	99.52	0.48	100.00
2. total fixed capital	"	757.71	11.02	768.73	98.57	1.43	100.00
3. working capital	"	719.57	21.20	740.77	97.14	2.86	100.00
4. fixed and working capital (2+3)	"	1477.28	32.22	1509.50	97.87	2.13	100.00
5. number of employees	number (000)	2650.69	292.92	2943.61	90.05	9.95	100.00
6. man-hours worked	hours (crore)	510.34	53.08	563.42	90.58	9.42	100.00
7. payment to all employees	rupees (crore)	304.90	15.35	320.25	95.21	4.79	100.00
8. output	"	1953.60	120.26	2073.86	94.20	5.80	100.00
9. input	"	1369.37	91.55	1460.92	93.73	6.27	100.00
10. value added (8-9)	"	584.23	28.71	612.94	95.32	4.68	100.00
11. number of samples	—	2665	338	3003	88.71	11.29	100.00
12. total number of factories	—	23204	5668	28872	80.37	19.63	100.00

2.13. Although in terms of number, the factories not using power came to about 20 per cent of the total, their share in all important aspects was much less. Their proportion of number of employees was about 10 per cent. The proportion for value added by manufacture was about 5 per cent. The proportion for fixed and working capital was only 2 per cent. To emphasise the contrast between these two types of factories, the average figures per establishment regarding a number of items are given in Table (2.8).

TABLE (2.8): PER ESTABLISHMENT FIGURES FOR FACTORIES USING POWER AND NOT USING POWER IN RESPECT OF A SELECTED NUMBER OF ITEMS IN 1952

item	unit	factories using power	factories not using power	all factories
(1)	(2)	(3)	(4)	(5)
1. plant and machinery	rupees (000)	193	4	156
2. fixed capital	"	327	19	266
3. working capital	"	310	37	257
4. fixed and working capital (2+3)	"	637	56	523
5. number of employees	persons	114	52	102
6. man-hours worked	hours (000)	220	94	195
7. payment to all employees	rupees (000)	132	27	111
8. output	"	842	212	718
9. input	"	590	162	506
10. value added (8-9)	"	252	50	212



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2.14. It will be seen that although the number of employees per working day for a factory not using power was nearly half of the number for a power-using factory, the average amount of value added in manufacture was only about a fifth in comparison. The position of factory not using power in respect of fixed and working capital was still more unfavourable. Another comparison has been given in Table (2.9) based on figures per worker.

TABLE (2.9) : FIGURES PER WORKER ON SELECTED ITEMS FOR FACTORIES USING POWER AND NOT USING POWER IN 1952

item	unit	factories using power	factories not using power	all factories
(1)	(2)	(3)	(4)	(5)
1. plant and machinery	rupees	1,933	80	1,743
2. fixed capital	..	3,277	411	2,980
3. working capital	..	3,112	791	2,871
4. fixed and working capital (2+3)	..	6,389	1,202	5,851
5. man-hours worked	hours	2,208	1,977	2,184
6. total payment to all employees	rupees	956	406	899
7. output	..	8,450	4,487	8,038
8. input	..	5,923	3,416	5,662
9. value added (7-8)	..	2,527	1,071	2,376

2.15. Here again it will be seen that although the man-hours worked were not very different, the output was low for the factories not using power. In other respects also the figures for this type of factories were low.

RELIABILITY OF ESTIMATES

2.16. There is hardly any published material which can be compared with the S.S.M.I. data. The C.M.I. data, although available in published form, are not strictly comparable. From the point of view of both geographical and industrial coverage there was a divergence between the C.M.I. and S.S.M.I. data. Again within each industry the C.M.I. covered only those factories which used power and employed 20 or more workers on any day. In contrast S.S.M.I. covered all the factories using power and employing 10 or more workers and those not using power employing 20 or more workers. However, the internal consistency of these data can be examined. The difference between the two interpenetrating sub-samples may give an indication of the margin of uncertainty in the estimates. Table (2.10) gives the estimates of some important items by sub-samples and indicates the deviation between the sub-samples as percentage of the average value.

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TABLE (2.10) : COMPARISON OF ESTIMATES OF SOME ITEMS BY SUB-SAMPLES IN 1952

item	unit	sub- sample 1	sub- sample 2	com- bined	percentage difference col. (3)-col.(4) col. (5)
(1)	(2)	(3)	(4)	(5)	(6)
1. fixed and working capital	rupees (crores)	1553.56	1465.46	1509.50	5.84
2. number of employees	thousands	2938.48	2948.74	2943.61	0.35
3. payment to all employees	rupees (crores)	323.73	316.77	320.25	2.17
4 total man-hours worked	hours (crores)	560.38	566.46	563.42	1.08
5. value of input	rupees (crores)	1459.80	1462.03	1460.92	0.15
6. value of output	,,	2072.33	2075.38	2073.86	0.15
7. value added by manufacture (6-5)	,,	612.53	613.35	612.94	0.14
8. number of samples	actual	2051	2051	3003	

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*National Sample Survey*

TABLE 1 : EXTENT OF SAMPLING : NUMBER OF FACTORIES BY INDUSTRY—FACTORIES USING POWER : 1952

CMI classification		number of factories		
number	description	universe	sample surveyed	per cent covered
(1)	(2)	(3)	(4)	(5)
1. 01	wheat flour	154	38	24.68
2. 02	rice milling	2544	201	7.90
3. 03	biscuit making	138	17	12.32
4. 04	fruits and vegetable processing	28	8	28.57
5. 05a	sugar : vacuum pan factory	154	94	61.04
6. 05b	„ : refineries	26	4	15.38
7. 05c	„ : gur factories	464	16	3.45
8. 06	distilleries and breweries	76	20	26.32
9. 07	starch	113	10	8.85
10. 08	vegetable oil (including hydrogenated oil)	1752	251	14.33
11. 09	paints and varnishes	82	16	19.51
12. 10	soap	80	26	32.50
13. 11	tanning	133	32	24.06
14. 12	cement	19	19	100.00
15. 13	glass and glassware	181	41	22.65
16. 14	ceramics	63	17	26.98
17. 15	plywood and tea chests	73	17	23.29
18. 16	paper and paper board	63	41	65.08
19. 17	matches	84	28	33.33
20. 18	cotton textiles : unclassified	19	9	47.37
21. 18a	„ : spinning mills	123	34	27.64
22. 18b	„ : composite mills	282	184	65.25
23. 18c	„ : powerloom mills	412	20	4.85
24. 19	woollen textiles	70	20	28.57
25. 20	jute textiles	107	67	62.62
26. 21	chemicals (including drugs)	357	56	15.59
27. 22a	aluminium, copper and brass : primary products	5	4	80.00
28. 22b	„ „ „ : secondary products	357	53	14.85
29. 23a	iron and steel : primary products	7	7	100.00
30. 23b	„ : secondary products	1195	87	7.28
31. 24	bicycles	39	11	28.21
32. 25	sewing machines	6	6	100.00
33. 27	electric lamps	8	7	87.50
34. 28	electric fans	33	9	27.27

*Manufacturing Industries : 1952*

TABLE 1 (Contd.): EXTENT OF SAMPLING: NUMBER OF FACTORIES BY INDUSTRY—  
FACTORIES USING POWER: 1952

CMI classification		number of factories		
number	description	universe	sample surveyed	per cent covered
(1)	(2)	(3)	(4)	(5)
35. 29	general engineering and electrical engineering : unspecified	295	17	5.76
36. 29a	general engineering and electrical engineering : repairing works	584	32	5.48
37. 29b	general engineering and electrical engineering : manufacturing	1037	68	6.56
38. 30	footwear and leather manufacturing	37	13	35.14
39. 31	rubber and rubber manufacturing	140	46	32.86
40. 32	enamelware	20	5	25.00
41. 33	lime pipes and other cement and cement concrete products	79	11	13.92
42. 34	asbestos and asbestos cement products	5	5	100.00
43. 35	bricks, tiles, lime and surki manufacturing	305	17	5.57
44. 36	lac	16	6	37.50
45. 37	turpentine and rosin	3	3	100.00
46. 38	plastics (including gramophone records)	76	8	10.53
47. 39	petroleum refining	4	3	75.00
48. 40	saw milling	606	25	4.13
49. 41	woodware (including furniture)	122	16	13.11
50. 42	tea manufacturing	1204	121	10.05
51. 43	tobacco products	94	51	54.26
52. 44	groundnut decorticating etc.	424	36	8.49
53. 45	printing and bookbinding etc.	1586	70	4.41
54. 46	webbing narrow fabrics	83	8	9.64
55. 47	hosiery and other knitted goods	324	12	3.70
56. 48	thread and thread ball making	17	3	17.65
57. 49	textile dyeing, bleaching etc.	185	24	12.97
58. 50	clothing and tailoring	28	4	14.29
59. 51	cotton ginning and pressing	2146	173	8.06
60. 52	rope making	7	6	85.71
61. 53	silk and artificial silk	553	35	6.33
62. 54	jute pressing	35	11	31.43
63. 55	electricity generation and transformation	361	30	8.31
64. 56	automobiles and coach building	730	92	12.60
65. 57	ship building and repairing	42	14	33.33
66. 60	aircraft assembling and repairing services	17	4	23.53
67. 62	textile machineries and accessories	158	14	8.86
68. 63	unspecified industries	2634	212	8.05
69.	all industries	23,204	2665	11.49

*National Sample Survey*

TABLE 2 : EXTENT OF SAMPLING : NUMBER OF FACTORIES BY INDUSTRY—FACTORIES NOT USING POWER : 1952

CMI classification		number of factories		
number	description	universe	sample surveyed	per cent covered
(1)	(2)	(3)	(4)	(5)
1. 10	soap	24	2	8.33
2. 11	tanning	220	8	3.64
3. 13	glass and glassware	66	9	13.64
4. 17	matches	99	5	5.05
5. 19	woollen textiles	30	4	13.33
6. 21	chemicals (including drugs)	51	5	9.80
7. 22b	aluminium, copper and brass : secondary products	68	6	8.82
8. 29a	general engineering and electrical engineering : repairing works	12	2	16.67
9. 29b	general engineering and electrical engineering : manufacturing	18	2	11.11
10. 35	bricks, lime, tiles and surki manufacturing	593	26	4.38
11. 36	lac	128	6	4.69
12. 43	tobacco products	2031	103	5.02
13. 44	groundnut decorticating etc.	191	41	21.47
14. 45	printing and bookbinding etc.	106	6	5.66
15. 56	automobiles and coach building	31	4	12.90
16.	other industries	2000	109	5.50
17.	all industries	5668	338	5.96

TABLE 3 : EXTENT OF SAMPLING : NUMBER OF FACTORIES BY INDUSTRY—ALL FACTORIES : 1952

CMI classification		number of factories		
number	description	universe	sample surveyed	per cent covered
(1)	(2)	(3)	(4)	(5)
1. 10	soap	104	28	26.92
2. 11	tanning	353	40	11.33
3. 13	glass and glassware	247	50	20.24
4. 17	matches	183	33	18.03
5. 19	woollen textiles	100	24	24.00
6. 21	chemicals (including drugs)	408	61	14.95
7. 22b	aluminium, copper and brass : secondary products	425	59	13.88
8. 29a	general engineering and electrical engineering : repairing works	596	34	5.70
9. 29b	general engineering and electrical engineering : manufacturing	1055	70	6.64
10. 35	bricks, tiles, lime and surki manufacturing	898	43	4.79
11. 36	lac	144	12	8.33
12. 43	tobacco products	2125	153	72.00
13. 44	groundnut decorticating etc.	615	77	12.52
14. 45	printing and bookbinding etc.	1692	76	4.49
15. 56	automobiles and coach building	761	96	12.61
16.	other industries	19166	2147	11.20
17.	all industries	28872	3003	10.40

*Manufacturing Industries : 1952*

TABLE 4 : EXTENT OF SAMPLING : NUMBER OF WORKERS BY INDUSTRY—FACTORIES  
USING POWER : 1952

CMI classification		number of workers		
number	description	universe	sample surveyed	per cent covered
(1)	(2)	(3)	(4)	(5)
1.	01 wheat flour	7,627	4,505	59.60
2.	02 rice milling	55,619	10,134	18.22
3.	03 biscuit making	7,595	3,439	45.28
4.	04 fruits and vegetables processing	1,118	674	60.29
5.	05a sugar : vacuum pan factory	94,582	78,669	83.18
6.	05b „ : refineries	1,738	1,065	61.28
7.	05c „ : gur factories	9,418	719	7.63
8.	06 distilleries and breweries	7,901	4,717	59.70
9.	07 starch	3,504	1,486	42.41
10.	08 vegetable oil (including hydrogenated oil)	65,388	24,140	36.92
11.	09 paints and varnishes	5,253	3,065	58.35
12.	10 soap	8,155	7,189	88.15
13.	11 tanning	9,089	5,662	62.30
14.	12 cement	19,769	19,769	100.00
15.	13 glass and glassware	31,544	17,973	56.98
16.	14 ceramics	21,252	15,845	74.56
17.	15 plywood and tea chests	7,094	4,540	64.00
18.	16 paper and paper board	22,660	22,132	97.67
19.	17 matches	15,077	12,730	84.43
20.	18 cotton textiles : unclassified	14,594	13,261	90.86
21.	18a „ : spinning mills	94,863	67,709	70.32
22.	18b „ : composite mills	586,478	519,661	88.61
23.	18c „ : powerloom mills	24,720	10,278	41.58
24.	19 woollen textile	15,106	12,963	85.81
25.	20 jute textile	307,203	236,438	76.96
26.	21 chemicals (including drugs)	40,101	24,421	60.90
27.	22a aluminium, copper and brass : primary products	4,161	4,161	100.00
28.	22b „ „ „ : secondary products	17,885	10,428	58.51
29.	23a iron and steel : primary products	55,637	55,637	100.00
30.	23b „ : secondary products	76,190	33,761	44.31
31.	24 bicycles	2,365	1,972	83.38
32.	25 sewing machines	1,750	1,750	100.00
33.	27 electric lamps	1,332	1,332	100.00
34.	28 electric fans	4,551	3,968	87.19

*National Sample Survey*

TABLE 4 (Contd.): EXTENT OF SAMPLING: NUMBER OF WORKERS BY INDUSTRY—  
 FACTORIES USING POWER: 1952

CMI classification		number of workers		
number	description	universe	sample surveyed	per cent covered
(1)	(2)	(3)	(4)	(5)
35. 29	general engineering and electrical engineering : unspecified	23,911	9,892	41.37
36. 29a	general engineering and electrical engineering : repairing works	28,663	8,128	28.36
37. 29b	general engineering and electrical engineering: manufacturing	53,406	24,818	46.47
38. 30	footwear and leather manufacturing	13,931	13,289	95.39
39. 31	rubber and rubber manufacturing	15,416	12,346	80.09
40. 32	enamelware	1,614	1,150	71.25
41. 33	hume pipes and other cement and cement concrete products	3,315	1,493	45.04
42. 34	asbestos and asbestos cement products	2,875	2,875	100.00
43. 35	bricks, tiles, lime and surki manufacturing	22,750	3,849	16.92
44. 36	lac	1,745	1,217	69.74
45. 37	turpentine and rosin	311	311	100.00
46. 38	plastics (including gramophone records)	3,770	1,166	30.93
47. 39	petroleum refining	1,270	1,270	100.00
48. 40	saw milling	17,671	4,467	25.28
49. 41	woodware (including furniture)	4,882	1,610	32.98
50. 42	tea manufacturing	117,693	20,217	17.18
51. 43	tobacco products	27,618	26,831	97.15
52. 44	groundnut decorticating etc.	14,155	8,017	56.64
53. 45	printing and bookbinding etc.	72,358	15,474	21.39
54. 46	webbing narrow fabrics	4,199	1,697	40.41
55. 47	hosiery and other knitted goods	10,422	1,928	18.50
56. 48	thread and thread ball making	779	659	84.60
57. 49	textiles dyeing, bleaching etc.	17,832	10,856	60.88
58. 50	clothing and tailoring	5,360	4,679	87.29
59. 51	cotton ginning and pressing	120,498	17,485	14.51
60. 52	rope making	1,430	1,329	92.94
61. 53	silk and artificial silk	45,529	14,239	31.27
62. 54	jute pressing	4,952	3,493	70.54
63. 55	electricity generations and transformation	26,860	13,220	49.22
64. 56	automobiles and coach building	39,918	21,481	53.81
65. 57	ship building and repairing	19,639	16,428	83.65
66. 60	aircraft assembling and repairing services	12,575	11,674	92.83
67. 62	textile machineries and accessories	7,833	3,750	47.88
68. 63	unspecified industries	140,888	59,951	42.55
69.	all industries	2,527,387	1,577,482	62.41



*Manufacturing Industries : 1952*

TABLE 5 : EXTENT OF SAMPLING : NUMBER OF WORKERS BY INDUSTRY—FACTORIES NOT USING POWER : 1952

CMI classification		number of workers		
number	description	universe	sample surveyed	per cent covered
(1)	(2)	(3)	(4)	(5)
1.	10 soap	543	66	12.15
2.	11 tanning	6,447	642	9.96
3.	13 glass and glassware	3,954	1,178	29.79
4.	17 matches	5,038	1,055	20.94
5.	19 woollen textiles	1,648	402	24.39
6.	21 chemicals (including drugs)	1,848	427	23.11
7.	22b aluminium, copper and brass : secondary products	1,189	231	19.43
8.	29a general engineering and electrical engineering : repairing works	250	49	19.60
9.	29b general engineering and electrical engineering : manufacturing	238	45	3.37
10.	35 bricks, tiles, lime and surki manufacturing	28,170	4,064	14.43
11.	36 lac	7,413	905	12.21
12.	43 tobacco products	127,297	27,679	21.74
13.	44 groundnut decorticating etc.	44,401	20,136	45.35
14.	45 printing and bookbinding etc.	2,405	362	15.05
15.	56 automobiles and coach building	1,475	637	43.19
16.	other industries	76,906	12,945	16.83
17.	all industries	309,222	70,822	22.90

TABLE 6 : EXTENT OF SAMPLING : NUMBER OF WORKERS BY INDUSTRY—ALL FACTORIES : 1952

CMI classification		number of workers		
number	description	universe	sample surveyed	per cent covered
(1)	(2)	(3)	(4)	(5)
1.	10 soap	8,698	7,255	83.41
2.	11 tanning	15,536	6,304	40.58
3.	13 glass and glassware	35,498	19,151	53.95
4.	17 matches	20,115	13,785	68.53
5.	19 woollen textiles	16,754	13,365	79.77
6.	21 chemicals (including drugs)	41,949	24,848	59.23
7.	22b aluminium, copper and brass : secondary products	19,074	10,659	55.88
8.	29a general engineering and electrical engineering : repairing works	28,193	8,177	28.28
9.	29b general engineering and electrical engineering : manufacturing	53,644	25,063	46.72
10.	35 bricks, tiles, lime and surki manufacturing	50,920	7,913	15.54
11.	36 lac	9,158	2,122	23.17
12.	43 tobacco products	154,915	54,509	35.19
13.	44 groundnut decorticating etc.	58,556	28,153	48.08
14.	45 printing and bookbinding etc.	72,763	15,836	21.18
15.	56 automobiles and coach building	41,393	22,118	53.43
16.	other industries	2,206,723	1,389,046	62.94
17.	all industries	2,836,609	1,648,304	58.11

*National Sample Survey*

TABLE 7: DISTRIBUTION OF SUB-SAMPLES BY INDUSTRY—FACTORIES USING POWER :  
1952

CMI classification		number of samples			
number	description	*common factories	sub-sample-1	sub-sample-2	total
(1)	(2)	(3)	(4)	(5)	(6)
1.	01 wheat flour	16	27	27	38
2.	02 rice milling	31	116	116	201
3.	03 biscuit making	5	11	11	17
4.	04 fruits and vegetable processing	4	6	6	8
5.	05a sugar : vacuum pan factory	68	81	81	94
6.	05b „ : refineries	2	3	3	4
7.	05c „ : gur factories	2	9	9	16
8.	06 distilleries and breweries	10	15	15	20
9.	07 starch	2	6	6	10
10.	08 vegetable oil (including hydrogenated oil)	65	158	158	251
11.	09 paints and varnishes	6	11	11	16
12.	10 soap	20	23	23	26
13.	11 tanning	8	24	24	32
14.	12 cement	19	19	19	19
15.	13 glass and glassware	15	28	28	41
16.	14 ceramics	11	14	14	17
17.	15 plywood and tea chests	9	13	13	17
18.	16 paper and paper board	39	40	40	41
19.	17 matches	20	24	24	28
20.	18 cotton textiles : unclassified	5	7	7	9
21.	18a „ : spinning mills	22	28	28	34
22.	18b „ : composite mills	142	163	163	184
23.	18c „ : powerloom mills	4	12	12	20
24.	19 woollen textiles	14	17	17	20
25.	20 jute textiles	45	56	56	67
26.	21 chemicals (including drugs)	28	42	42	56
27.	22a aluminium, copper and brass : primary products	4	4	4	4
28.	22b „ „ : secondary products	25	39	39	53
29.	23a iron and steel : primary products	7	7	7	7
30.	23b „ : secondary products	27	57	57	87
31.	24 bicycles	7	9	9	11
32.	25 sewing machines	6	6	6	6
33.	27 electric lamps	7	7	7	7
34.	28 electric fans	7	8	8	9

\*Factories falling in some strata were completely enumerated. These were included in both the sub-samples.

*Manufacturing Industries : 1952*

TABLE 7 (Contd.): DISTRIBUTION OF SUB-SAMPLES BY INDUSTRY—FACTORIES USING POWER : 1952

CMI classification		number of samples			
number	description	*common factories	sub-sample-1	sub-sample-2	total
(1)	(2)	(3)	(4)	(5)	(6)
35. 29	general engineering and electrical engineering : unspecified	5	11	11	17
36. 29a	„ „ „ : repairing works	6	19	19	32
37. 29b	„ „ „ : manufacturing	24	46	46	68
38. 30	footwear and leather manufacturing	11	12	12	13
39. 31	rubber and rubber manufacturing	26	36	36	46
40. 32	enamelware	1	3	3	5
41. 33	hume pipes and other cement and cement concrete products	5	8	8	11
42. 34	asbestos and asbestos cement products	5	5	5	5
43. 35	bricks, tiles, lime and surki manufacturing	3	10	10	17
44. 36	lac	4	5	5	6
45. 37	turpentine and rosin	3	3	3	3
46. 38	plastics (including gramophone records)	2	5	5	8
47. 39	petroleum refining	3	3	3	3
48. 40	saw milling	9	17	17	25
49. 41	woodware (including furniture)	2	9	9	16
50. 42	tea manufacturing	3	62	62	121
51. 43	tobacco products	41	46	46	51
52. 44	groundnut decorticating etc.	14	25	25	36
53. 45	printing and bookbinding etc.	4	37	37	70
54. 46	webbing narrow fabrics	2	5	5	8
55. 47	hosiery and other knitted goods	2	7	7	12
56. 48	thread and thread ball making	1	2	2	3
57. 49	textiles dyeing, bleaching etc.	10	17	17	24
58. 50	clothing and tailoring	2	3	3	4
59. 51	cotton ginning and pressing	5	89	89	17
60. 52	rope making	4	5	5	6
61. 53	silk and artificial silk	11	23	23	35
62. 54	jute pressing	5	8	8	11
63. 55	electricity generation and transformation	10	20	20	30
64. 56	automobiles and coach building	34	63	63	92
65. 57	ship building and repairing	10	12	12	14
66. 60	aircraft assembling and repairing	2	3	3	4
67. 62	textile machineries and accessories	8	11	11	14
68. 63	unspecified industries	66	139	139	212
69.	all industries	1053	1859	1859	2665

\*Factories falling in some strata were completely enumerated. These were included in both the sub-samples.

National Sample Survey

TABLE 8: DISTRIBUTION OF SUB-SAMPLES BY INDUSTRY—FACTORIES NOT USING POWER : 1952

CMI classification		number of samples			
number	description	*common factories	sub-sample-1	sub-sample-2	total
(1)	(2)	(3)	(4)	(5)	(6)
1.	10 soap	—	1	1	2
2.	11 tanning	—	4	4	8
3.	13 glass and glassware	5	7	7	9
4.	17 matches	1	3	3	5
5.	19 woollen textiles	—	2	2	4
6.	21 chemicals (including drugs)	3	4	4	5
7.	22b aluminium, copper and brass : secondary products	—	3	3	6
8.	29a general engineering and electrical engineering : repairing works	—	1	1	2
9.	29b general engineering and electrical engineering : manufacturing	—	1	1	2
10.	35 bricks, tiles, lime and surki manufacturing	—	13	13	26
11.	36 lac	—	3	3	6
12.	43 tobacco products	8	55	55	102
13.	44 groundnut decorticating etc.	7	24	24	41
14.	45 printing and bookbinding etc.	2	4	4	6
15.	56 automobiles and coach building	—	2	2	4
16.	other industries	20	65	65	110
17.	all industries	46	192	192	338

\*Factories falling in some strata were completely enumerated. These were included in both the sub-samples.

TABLE 9: DISTRIBUTION OF SUB-SAMPLES BY INDUSTRY—ALL INDUSTRIES : 1952

CMI classification		number of samples			
number	description	*common factories	sub-sample-1	sub-sample-2	total
(1)	(2)	(3)	(4)	(5)	(6)
1.	10 soap	20	24	24	28
2.	11 tanning	16	28	28	40
3.	13 glass and glassware	20	35	35	50
4.	17 matches	21	27	27	33
5.	19 woollen textile	14	19	19	24
6.	21 chemicals (including drugs)	31	46	46	61
7.	22b aluminium, copper and brass : secondary products	25	42	42	59
8.	29a general engineering and electrical engineering : repairing works	10	20	20	30
9.	29b general engineering and electrical engineering : manufacturing	24	47	47	70
10.	35 bricks, tiles, lime and surki manufacturing	3	23	23	43
11.	36 lac	4	8	8	12
12.	43 tobacco products	49	101	101	153
13.	44 groundnut decorticating etc.	21	49	49	77
14.	45 printing and bookbinding etc.	6	41	41	76
15.	56 automobiles and coach building	34	65	65	96
16.	other industries	801	1476	1476	2151
17.	all industries	1099	2051	2051	3003

\*Factories falling in some strata were completely enumerated. These were included in both the sub-samples.

*Manufacturing Industries : 1952*

TABLE 10: ESTIMATES OF SELECTED ITEMS BY SUB-SAMPLES IN FACTORIES USING POWER, FOR ALL INDUSTRIES : 1952

item	unit	sub- sample 1	sub- sample 2	combined	percentage difference
(1)	(2)	(3)	(4)	(5)	(6)
<i>(i) capital investment and rent</i>					
1. value of land	rupees (crores)	37.86	32.25	35.05	16.01
2. value of building	,,	210.79	199.83	205.31	5.34
3. value of land and buildings (1+2)	,,	248.65	232.08	240.36	6.89
4. value of plant and machinery	,,	484.23	409.86	447.05	16.64
5. value of other fixed assets	,,	68.96	71.65	70.30	3.83
6. value of total fixed capital (3 to 5)	,,	801.84	713.59	757.71	11.65
7. value of raw materials, fuels etc.	,,	346.88	336.19	341.53	3.13
8. value of products (finished and semi-finished)	,,	294.33	302.27	298.30	2.66
9. cash in hand and at bank	,,	80.73	78.75	79.74	2.48
10. total working capital (7 to 9)	,,	721.94	717.21	719.57	0.66
11. total (6 + 10)	,,	1523.78	1430.80	1477.28	6.29
12. rent etc., paid on total fixed capital	,,	3.91	4.35	4.13	10.65
<i>(ii) intensity of work</i>					
13. average number of working days in the year per factory	number	210.74	217.28	214.01	3.06
14. average number of shifts per day per factory	,,	1.23	1.23	1.24	0.00
15. average length of shift per factory	hours	7.04	7.23	7.14	2.66
<i>(iii) volume of work</i>					
16. workers employed : men	number (000)	2043.08	2069.07	2056.08	1.26
17. ,, ,, : women	,,	242.65	255.69	249.17	5.23
18. ,, ,, : children	,,	6.65	6.65	6.65	0.00
19. ,, ,, : total (16 to 18)	,,	2292.38	2331.41	2311.90	1.69
20. number of employees other than workers	,,	338.36	339.22	338.79	0.25
21. total number of persons employed (19+20)	,,	2630.74	2670.63	2650.69	1.50
22. total man-hours worked	hours (lakhs)	50563.37	51506.09	51034.71	1.85
23. salaries and wages to workers : men	rupees (lakhs)	20886.81	20725.15	20805.98	0.78
24. ,, ,, : women	,,	1258.80	1278.42	1268.61	1.55
25. ,, ,, : children	,,	22.08	21.96	22.02	0.54
26. ,, ,, : total (23 to 25)	,,	22167.69	22025.53	22096.61	0.64
27. payment to employees through contractors	,,	519.19	481.18	500.19	7.60
28. payment to employees other than workers	rupees (lakhs)	6764.47	6399.95	6582.19	5.54
29. value of other benefits (in kind)	,,	329.75	353.66	341.71	6.99
30. contribution to provident fund	,,	566.04	542.91	554.47	4.16
31. group benefits	,,	408.84	410.12	414.49	2.72
32. total payment to all employees (26 to 31)	,,	30755.97	30223.35	30489.66	1.75

*National Sample Survey*

TABLE 10 (Contd.): ESTIMATES OF SELECTED ITEMS BY SUB-SAMPLES IN FACTORIES  
USING POWER FOR ALL INDUSTRIES : 1952

item	unit	sub- sample 1	sub- sample 2	combined	percentage difference
(1)	(2)	(3)	(4)	(5)	(6)
<i>(iv) input</i>					
33. value of consumption : coke and coal	rupees (crores)	35.48	36.15	35.82	1.87
34.       "       : petroleum	"	1.30	1.18	1.24	9.68
35.       "       : electricity	"	18.02	16.79	17.40	7.07
36.       "       : other fuel and lubricants	"	21.58	17.20	19.39	22.59
37.       "       : others	"	6.18	6.30	6.24	1.92
38. value of total fuels, lubricants and electricity (33 to 37)	"	82.56	77.62	80.09	6.17
39. value of consumption : basic materials	"	1110.83	1102.90	1106.87	0.72
40.       "       : chemicals	"	47.31	48.21	47.76	1.88
41.       "       : packing materials	"	47.33	47.52	47.42	0.40
42.       "       : other raw materials	"	79.54	75.90	77.72	4.67
43.       "       : total raw materials (39 to 42)	"	1285.01	1274.53	1279.77	0.82
44. work done for the factories by other concerns	"	9.46	9.55	9.51	0.95
45. value of total input (38+43+44)	"	1377.03	1361.70	1369.37	1.12
<i>(v) output and value added</i>					
46. value of production : major products	"	1828.23	1811.48	1819.86	0.92
47.       "       : by-products	"	58.48	61.46	59.97	4.97
48.       "       : subsidiary products	"	2.81	1.96	2.33	32.18
49.       "       : all products (46 to 48)	"	1889.42	1874.90	1882.16	0.77
50. work done by the factories for other concerns	"	74.83	68.05	71.44	9.49
51. value of total output (49+50)	"	1964.25	1942.96	1953.60	1.09
52. value added (51-45)	"	587.22	581.25	584.23	1.02
53. number of sample factories		1859	1859	2665	

*Manufacturing Industries : 1952*

TABLE 11: ESTIMATES OF SELECTED ITEMS BY SUB-SAMPLES IN FACTORIES NOT USING POWER FOR ALL INDUSTRIES : 1952

item	unit	sub-sample 1	sub-sample 2	combined	percentage difference
(1)	(2)	(3)	(4)	(5)	(6)
<i>(i) capital investment and rent</i>					
1. value of land	rupees (crores)	2.00	1.83	1.91	8.90
2. value of building	..	5.72	4.91	5.32	15.23
3. value of land and buildings (1+2)	..	7.72	6.74	7.23	13.55
4. value of plant and machinery	..	1.69	2.60	2.14	42.53
5. value of other fixed assets	..	1.95	1.34	1.65	36.97
6. value of total fixed capital (3 to 5)	..	11.36	10.68	11.02	6.17
7. value of raw materials, fuels etc.	..	9.10	10.65	9.87	15.70
8. value of products (finished and semi-finished)	..	7.03	7.84	7.44	10.89
9. cash in hand and at bank	..	2.29	5.49	3.89	82.26
10. total working capital (7 to 9)	..	18.42	23.98	21.20	26.23
11. total (6+10)	..	29.78	34.66	32.22	15.15
12. rent etc., paid on total fixed capital	..	0.29	0.30	0.30	3.33
<i>(ii) intensity of work</i>					
13. average number of working days in the year per factory	number	203.14	206.42	204.82	1.60
14. average number of shifts per day per factory	..	1.00	0.85	0.92	16.30
15. average length of shift per factory	hours	6.68	6.24	6.46	6.81
<i>(iii) volume of work</i>					
16. workers employed : men	number (000)	146.99	138.21	142.60	6.16
17. .. .. : women	..	117.45	105.82	111.63	10.42
18. .. .. : children	..	6.27	12.11	14.19	29.32
19. .. .. : total (16 to 18)	..	280.71	256.14	268.42	9.15
20. number of employees other than workers	..	27.03	21.97	24.50	20.65
21. total number of persons employed (19+20)	..	307.74	278.11	292.92	10.12
22. total man-hours worked	hours (lakhs)	5475.08	5140.31	5307.72	6.31
23. salaries and wages to workers : men	rupees (lakhs)	776.78	734.80	755.86	5.55
24. .. .. : women	..	319.93	283.21	301.46	12.18
25. .. .. : children	..	28.08	32.50	30.29	14.55
26. .. .. : total (23 to 25)	..	1124.79	1050.61	1087.71	6.82
27. payment to employees through contractors	..	208.29	187.12	197.71	10.72
28. payments to employees other than workers	..	264.44	194.24	229.33	32.22
29. value of other benefits (in kind)	..	10.99	10.25	10.61	7.07
30. contribution to provident fund	..	3.24	1.84	2.54	55.51
31. group benefits	..	4.75	9.10	6.91	62.57
32. total payment to all employees (26 to 31)	..	1616.50	1453.16	1534.81	10.85

*National Sample Survey*

TABLE 11 (*Contd.*) : ESTIMATES OF SELECTED ITEMS BY SUB-SAMPLES IN FACTORIES NOT USING POWER FOR ALL INDUSTRIES : 1952

item	unit	sub- sample 1	sub- sample 2	combined	percentage difference
(1)	(2)	(3)	(4)	(5)	(6)
<i>(iv) input</i>					
33. value of consumption : coke and coal	rupees (crores)	0.76	0.77	0.76	1.32
34.     "          : petroleum	"	0.03	0.02	0.03	33.33
35.     "          : electricity	"	0.05	0.06	0.05	20.00
36.     "          : other fuel and lubricants	"	0.12	0.11	0.11	9.09
37.     "          : others	"	0.79	0.50	0.65	44.62
38. value of total fuels, lubricants and electricity (33 to 37)	"	1.75	1.46	1.60	18.12
39. value of consumption : basic materials	"	67.79	84.49	76.14	21.93
40.     "          : chemicals	"	1.58	1.48	1.53	6.54
41.     "          : packing materials	"	2.94	3.13	3.04	6.25
42.     "          : other raw materials	"	1.05	3.57	2.31	109.09
43.     "          : total raw materials (39 to 42)	"	73.37	92.67	83.02	23.26
44. work done for the factories by other concerns (value)	"	7.66	6.20	6.93	21.07
45. value of total input (38 + 43 + 44)	"	82.77	100.33	91.55	19.18
<i>(v) output and value added</i>					
46. value of production : major products	"	104.92	129.21	117.07	20.75
47.     "          : by-products	"	0.38	0.44	0.41	14.63
48.     "          : subsidiary products	"	—	—	—	—
49.     "          : all products (46 to 48)	"	105.30	129.65	117.48	20.73
50. work done by the factories for other concerns	"	2.78	2.78	2.78	0.00
51. value of total output (49 + 50)	"	108.08	132.43	120.26	20.25
52. value added (51 - 45))	"	25.31	32.10	28.71	23.65
53. number of sample factories		192	192	338	



*Manufacturing Industries : 1952*

TABLE 12: ESTIMATES OF SELECTED ITEMS BY SUB-SAMPLES IN ALL FACTORIES  
FOR ALL INDUSTRIES : 1952

item	unit	sub- sample 1	sub- sample 2	combined	percentage difference
(1)	(2)	(3)	(4)	(5)	(6)
<i>(i) capital investment and rent</i>					
1. value of land	rupees (crores)	39.86	34.08	37.96	15.64
2. value of building	,,	216.51	204.74	210.63	5.59
3. value of land and building (1+2)	,,	256.37	238.82	247.59	7.09
4. value of plant and machinery	,,	485.92	412.46	449.19	16.35
5. value of other fixed assets	,,	70.91	72.99	71.95	2.89
6. value of total fixed capital (3 to 5)	,,	813.20	724.27	768.73	11.57
7. value of raw materials, fuels etc.	,,	355.98	346.84	351.40	2.60
8. value of products, (finished and semi-finished)	,,	301.36	310.11	305.74	2.86
9. cash in hand and at bank	,,	83.02	84.24	83.63	1.46
10. total working capital (7 to 9)	,,	740.36	741.19	740.77	0.11
11. total (6+10)	,,	1553.56	1465.46	1509.50	5.84
12. rent etc., paid on total fixed capital	,,	4.20	4.65	4.43	10.16
<i>(ii) intensity of work</i>					
13. average number of working days in the year per factory	number	209.24	215.15	212.21	2.78
14. average number of shifts per day per factory	,,	1.18	1.15	1.17	2.56
15. average length of shift per factory	hours	6.97	7.04	7.00	1.00
<i>(iii) volume of work</i>					
16. workers employed : men	number (000)	2190.07	2207.28	2198.68	0.78
17. " " : women	,,	360.10	361.51	360.80	0.39
18. " " : children	,,	22.92	18.76	20.84	19.96
19. " " : total (16 to 18)	,,	2573.09	2587.55	2580.32	0.56
20. number of employees other than workers	,,	365.39	361.19	363.29	1.16
21. total number of persons employed (19+20)	,,	2938.48	2948.74	2943.61	0.35
22. total man-hours worked	hours (lakhs)	56038.45	56646.40	56342.43	1.08
23. salaries and wages to workers : men	rupees (lakhs)	21663.59	21460.05	21561.84	0.94
24. " " : women	,,	1578.73	1561.63	1570.17	1.09
25. " " : children	,,	50.16	54.46	52.31	8.22
26. " " : total (23 to 25)	,,	23292.48	23076.14	23184.32	0.93
27. payments to employees through contractors	,,	727.48	668.30	697.90	8.48
28. payment to employees other than workers	rupees (lakhs)	7028.91	6594.19	6811.52	6.38

*National Sample Survey*

TABLE 12 (Contd.) : ESTIMATES OF SELECTED ITEMS BY SUB-SAMPLES IN ALL FACTORIES  
FOR ALL INDUSTRIES : 1952

item	unit	sub- sample 1	sub- sample 2	combined	percentage difference
(1)	(2)	(3)	(4)	(5)	(6)
29. value of other benefits (in kind)	,,	340.74	363.91	352.32	6.57
30. contribution to provident fund	,,	569.27	544.75	557.01	4.40
31. group benefits	,,	413.59	429.22	421.40	3.71
32. total payment to all employees (26 to 31)	,,	32372.47	31676.51	32024.47	2.17
<i>(iv) input</i>					
33. value of consumption : coke and coal	rupees (crores)	36.24	36.92	36.58	1.86
34.            "          : petroleum	,,	1.33	1.20	1.27	10.24
35.            "          : electricity	,,	18.07	16.85	17.45	6.99
36.            "          : other fuel and lubricants	,,	21.70	17.31	19.30	22.51
37.            "          : others	,,	6.97	6.80	6.89	2.47
38. value of total fuels, lubricants and electricity (33 to 37)	,,	84.31	79.08	81.69	6.40
39. value of consumption : basic materials	,,	1178.62	1187.39	83.01	0.74
40.            "          : chemicals	,,	48.89	49.69	49.29	1.62
41.            "          : packing materials	,,	50.27	50.65	50.46	0.75
42.            "          : other raw materials	,,	80.79	79.47	80.03	1.39
43.            "          : total raw materials (39 to 42)	,,	1358.37	1367.20	1362.79	0.65
44. work done for the factories by other concerns (value)	,,	17.12	15.75	16.44	8.33
45. value of total input (38+43+44)	,,	1459.80	1462.03	1460.92	0.15
<i>(v) output and value added</i>					
46. value of production : major products	,,	1933.15	1940.69	1936.93	0.39
47.            "          : by-products	,,	58.86	61.90	60.38	5.03
48.            "          : subsidiary products	,,	2.71	1.96	2.33	32.18
49.            "          : all products (46 to 48)	,,	1994.72	2004.55	1999.64	0.49
50. work done by the factories for other concerns	,,	77.61	70.83	74.22	9.14
51. value of total output (49+50)	,,	2072.33	2075.38	2073.86	0.15
52. value added (51 - 45)	,,	612.53	613.35	612.94	0.13
53. number of sample factories		2051	2051	3003	

*Manufacturing Industries : 1952*

TABLE 13: ESTIMATES OF FIXED CAPITAL IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : fixed capital unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	38	285.99	301.52	293.76	0.39
2.	2 rice milling	116	116	201	1192.12	1011.40	1101.76	1.45
3.	3 biscuit making	11	11	17	426.64	304.40	365.52	0.48
4.	4 fruits and vegetable processing	6	6	8	82.40	189.43	135.92	0.18
5.	5a sugar : vacuum pan factory	81	81	94	2524.15	2023.81	2273.98	3.00
6.	5b ,, : refineries	3	3	4	33.91	33.91	33.91	0.04
7.	5c ,, : gur factories	9	9	16	63.70	92.84	78.27	0.10
8.	6 distilleries and breweries	15	15	20	212.98	335.90	274.44	0.36
9.	7 starch	6	6	10	160.54	31.18	95.86	0.13
10.	8 vegetable oil (including hydro- genated oil)	158	158	251	2430.59	2797.16	2613.89	3.45
11.	9 paints and varnishes	11	11	16	140.59	133.70	137.14	0.18
12.	10 soap	23	23	26	495.46	296.42	395.94	0.52
13.	11 tanning	24	24	32	101.28	112.78	107.03	0.14
14.	12 cement	19	19	19	1239.16	1239.16	1239.16	1.64
15.	13 glass and glassware	28	28	41	654.98	546.68	600.83	0.79
16.	14 ceramics	14	14	17	709.36	405.67	557.51	0.74
17.	15 plywood and tea chests	13	13	17	162.94	166.55	164.74	0.22
18.	16 paper and paper board	40	40	41	1374.88	1380.74	1377.81	1.82
19.	17 matches	24	24	28	182.36	164.48	173.42	0.23
20.	18 cotton textiles : unclassified	7	7	9	415.41	350.17	382.79	0.51
21.	18a ,, : spinning mills	28	28	34	1236.32	1684.77	1460.55	1.93
22.	18b ,, : composite mills	163	163	184	8623.24	7909.26	8266.25	0.91
23.	18c ,, : powerloom mills	12	12	20	409.16	475.64	442.40	0.48
24.	19 woollen textiles	17	17	20	429.41	462.57	395.99	0.52
25.	20 jute textiles	56	56	67	3113.99	3083.86	3098.92	4.09
26.	21 chemicals (including drugs)	42	42	56	3858.62	3937.88	3898.25	5.14
27.	22a aluminium, copper and brass :							
	primary products	4	4	4	239.92	239.92	239.92	0.32
28.	22b ,, : secondary products	39	39	53	446.93	442.49	444.71	0.59
29.	23a iron and steel : primary products	7	7	7	3087.71	3087.71	3087.71	4.07
30.	23b ,, : secondary products	57	57	87	1504.81	1467.66	1486.24	1.96
31.	24 bicycles	9	9	11	116.41	115.84	116.12	0.15
32.	25 sewing machines	6	6	6	79.26	79.26	79.26	0.10
33.	27 electric lamps	7	7	7	88.39	88.39	88.39	0.12
34.	28 electric fans	8	8	9	121.79	97.17	109.48	0.14

*National Sample Survey*

TABLE 13 (Contd.) : ESTIMATES OF FIXED CAPITAL IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : fixed capital unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
35. 29	general engineering and electrical engineering : unspecified	11	11	17	278.33	788.29	533.31	0.70
36. 29a	„ : repairing works	19	19	32	798.24	480.04	639.15	0.84
37. 29b	„ : manufacturing	46	46	68	2345.32	1450.63	1897.98	2.50
38. 30	footwear and leather manufacturing	12	12	13	110.90	124.03	117.46	0.16
39. 31	rubber and rubber manufacturing	36	36	46	512.90	474.04	493.47	0.65
40. 32	enamelware	3	3	5	32.87	37.66	35.27	0.05
41. 33	hume pipes and other cement and cement concrete products	8	8	11	118.67	124.45	121.56	0.16
42. 34	asbestos and asbestos cement products	5	5	5	32.16	32.16	32.16	0.04
43. 35	bricks, lime, tiles and surki manufacturing	10	10	17	316.10	265.65	290.87	0.38
44. 36	lac]	5	5	6	51.70	64.15	57.92	0.08
45. 37	turpentine and rosin	3	3	3	5.79	5.79	5.79	0.01
46. 38	plastics (including gramophone records)	5	5	8	110.81	134.05	122.43	0.16
47. 39	petroleum refining	3	3	3	66.93	66.93	66.93	0.09
48. 40	saw milling	17	17	25	205.39	161.97	183.68	0.24
49. 41	woodware (including furniture)	9	9	16	59.39	83.69	171.54	0.23
50. 42	tea manufacturing	62	62	121	6601.60	7718.99	7160.29	9.45
51. 43	tobacco products	46	46	51	702.67	629.99	666.33	0.88
52. 44	groundnut decorticating etc.	25	25	36	212.36	272.74	242.55	0.32
53. 45	printing and bookbinding etc.	37	37	70	2010.81	1706.66	1858.73	2.45
54. 46	webbing narrow fabrics	5	8	8	84.24	60.79	72.51	0.10
55. 47	hosiery and other knitted goods	7	7	12	200.62	136.00	168.31	0.22
56. 48	thread and thread ball making	2	2	3	67.39	67.39	67.39	0.09
57. 49	textiles dyeing, bleaching etc.	17	17	24	254.17	333.31	293.74	0.39
58. 50	clothing and tailoring	3	3	4	16.42	11.93	13.17	0.02
59. 51	cotton ginning and pressing	89	89	173	1825.10	1404.33	1614.71	2.13
60. 52	rope making	5	5	6	12.31	12.96	12.64	0.02
61. 53	silk and artificial silk	23	23	35	615.35	623.96	619.66	0.82
62. 54	jute pressing	8	8	11	236.28	226.28	231.31	0.31
63. 55	electricity generation and transformation	20	20	30	18686.81	11118.79	14902.80	19.68
64. 56	automobiles and coach building	63	63	92	1574.12	1605.41	1589.76	2.10
65. 57	ship building and repairing	12	12	14	473.53	472.32	472.92	0.62
66. 60	aircraft assembling and repairing services	3	3	4	138.84	138.84	138.84	0.18
67. 62	textile machineries and accessories	11	11	14	200.16	256.70	228.43	0.30
68. 63	unspecified industries	139	139	212	5050.25	4977.60	5028.93	6.64
69.	all industries	1859	1859	2665	80183.99	71358.84	75771.40	100.00

*Manufacturing Industries : 1952*

TABLE 14 : ESTIMATES OF WORKING CAPITAL IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item: working capital unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	38	284.54	248.98	266.76	0.37
2.	2 rice milling	116	116	201	1278.81	882.80	1080.81	1.50
3.	3 biscuit making	11	11	17	139.02	149.25	144.14	0.20
4.	4 fruits and vegetable processing	6	6	8	20.95	140.69	80.82	0.11
5.	5a sugar : vacuum pan factory	81	81	94	5647.87	5345.29	5496.58	7.64
6.	5b „ : refineries	3	3	4	58.97	58.97	58.97	0.08
7.	5c „ : gur factories	9	9	16	16.94	22.23	19.59	0.03
8.	6 distilleries and breweries	15	15	20	274.35	438.84	356.59	0.50
9.	7 starch	6	6	10	368.26	39.48	203.87	0.28
10.	8 vegetable oils (including hydro- genated oil)	158	158	251	1718.74	2813.57	2266.15	0.15
11.	9 paints and varnishes	11	11	16	338.62	528.01	433.32	0.60
12.	10 soap	23	23	26	670.57	670.65	670.61	0.93
13.	11 tanning	24	24	32	193.43	221.55	207.49	0.29
14.	12 cement	19	19	19	484.84	848.84	848.84	1.18
15.	13 glass and glassware	28	28	41	227.03	235.22	231.12	0.32
16.	14 ceramics	14	14	17	257.84	215.36	236.60	0.33
17.	15 plywood and tea chests	13	13	17	120.50	111.88	116.19	0.16
18.	16 paper and paper board	40	40	41	1029.65	989.54	1009.60	1.40
19.	17 matches	24	24	28	222.62	231.68	227.15	0.32
20.	18 cotton textiles : unclassified	7	7	9	342.75	331.03	336.89	0.47
21.	18a „ : spinning mills	28	28	34	2034.42	1996.18	2015.30	2.80
22.	18b „ : composite mills	163	163	184	5989.34	15533.04	15761.19	21.91
23.	18c „ : powerloom mills	12	12	20	685.74	574.14	629.94	0.88
24.	19 woollen textiles	17	17	20	575.41	793.91	684.66	0.95
25.	20 jute textiles	56	56	67	3743.38	3566.34	3654.86	5.09
26.	21 chemicals (including drugs)	42	42	56	2820.48	2377.00	2598.74	3.61
27.	22a aluminium, copper and brass : primary products	4	4	4	289.88	289.28	289.28	0.40
28.	22b „ : secondary products	39	39	53	642.15	670.90	656.53	0.91
29.	23a iron and steel : primary products	7	7	7	2683.21	2683.21	2683.21	3.73
30.	23b „ : secondary products	57	57	87	1736.62	1981.80	1859.21	2.58
31.	24 bicycles	9	9	11	95.55	95.83	95.69	0.13
32.	25 sewing machines	6	6	6	75.16	75.16	75.16	0.10
33.	27 electric lamps	7	7	7	53.56	53.56	53.56	0.07
34.	28 electric fans	8	8	9	172.97	173.32	173.14	0.24

*National Sample Survey*

TABLE 14 (Contd.) : ESTIMATES OF WORKING CAPITAL IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item: working capital unit : lakhs of rupees			percen- tage to all indus- tries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
35. 29	general engineering and electrical engineering : unspecified	11	11	17	558.92	1267.64	913.28	1.27
36. 29a	„ „ : repairing works	19	19	32	383.60	350.53	367.07	0.51
37. 29b	„ „ : manufacturing	46	46	68	1970.41	1644.70	1807.56	2.51
38. 30	footwear and leather manufacturing	12	12	13	259.30	296.21	277.76	0.39
39. 31	rubber and rubber manufacturing	36	36	46	849.86	869.16	859.51	1.19
40. 32	enamelware	13	13	5	29.13	28.31	28.72	0.04
41. 33	hume pipes and other cement and cement concrete products	8	8	11	73.84	117.43	95.63	0.13
42. 34	asbestos and asbestos cement products	5	5	5	231.74	231.74	231.74	0.32
43. 35	bricks, tiles, lime and surki manufacturing	10	10	17	130.46	140.14	135.30	0.19
44. 36	lac	5	5	6	75.77	72.56	74.06	0.10
45. 37	turpentine and rosin	3	3	3	40.58	40.58	40.58	0.06
46. 38	plastics (including gramophone records)	6	5	8	51.67	108.48	80.07	0.11
47. 39	petroleum refining	3	3	3	85.60	85.60	85.60	0.12
48. 40	saw milling	17	17	25	219.41	306.58	263.00	0.37
49. 41	woodware (including furniture)	9	9	16	33.70	113.36	73.53	0.10
50. 42	tea manufacturing	62	62	121	5355.89	46.2216	4989.03	6.93
51. 43	tobacco products	46	46	51	1194.28	1174.89	1184.58	1.65
52. 44	groundnut decorticating etc.	25	25	36	183.02	1600.95	891.98	1.24
53. 45	printing and bookbinding etc.	37	37	70	2025.77	1383.35	1704.56	2.37
54. 46	webbing narrow fabrics	5	5	8	69.70	39.08	54.39	0.08
55. 47	hosiery and other knitted goods	7	7	12	115.87	202.63	159.25	0.22
56. 48	thread and thread ball making	2	2	3	9.90	9.90	9.90	0.01
57. 49	textiles dyeing, bleaching etc.	17	17	24	226.23	237.23	231.73	0.32
58. 50	clothing and tailoring	3	3	4	68.89	52.78	60.83	0.08
59. 51	cotton ginning and pressing	89	89	173	564.47	434.76	499.61	0.69
60. 52	rope making	5	5	6	52.76	50.08	51.42	0.07
61. 53	silk and artificial silk	23	23	35	676.92	1550.77	1113.85	1.55
62. 54	jute pressing	8	8	11	25.44	23.47	24.45	0.03
63. 55	electricity generation and trans-formation	20	20	30	4479.22	1752.36	3115.79	4.34
64. 56	automobiles and coach building	63	63	92	1813.44	1844.01	1828.72	2.54
65. 57	ship building and repairing	12	12	14	496.42	491.48	493.95	0.69
66. 60	aircraft assembling and repairing services	3	3	4	541.46	541.46	541.46	0.75
67. 62	textile machineries and accessories	11	11	14	123.06	206.92	164.99	0.23
68. 63	unspecified industries	139	139	212	3519.72	4441.80	3980.76	5.54
69.	all industries	1859	1859	2665	72193.82	71720.62	71957.22	100.00

*Manufacturing Industries : 1952*

TABLE 15 : ESTIMATES OF FIXED AND WORKING CAPITAL IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : fixed and working capital unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	38	570.54	550.50	560.52	0.38
2.	2 rice milling	116	116	201	2470.94	1894.20	2182.57	1.48
3.	3 biscuit making	11	11	17	565.65	453.65	509.65	0.35
4.	4 fruits and vegetable processing	6	6	8	103.35	330.13	216.74	0.15
5.	5a sugar : vacuum pan factory	81	81	94	8172.02	7369.10	7770.56	5.26
6.	5b " : refineries	3	3	4	92.88	92.88	92.88	0.06
7.	5c " : gur factories	9	9	16	80.64	115.08	97.86	0.07
8.	6 distilleries and breweries	15	15	20	487.33	774.74	631.03	0.43
9.	7 starch	6	6	10	528.80	70.65	299.72	0.20
10.	8 vegetable oil (including hydro- genated oil)	158	158	251	4149.32	5610.74	488.03	3.31
11.	9 paints and varnishes	11	11	16	479.21	611.71	57.046	0.39
12.	10 soap	23	23	26	116.02	967.02	1066.55	0.72
13.	11 tanning	24	24	32	294.71	334.33	314.52	0.21
14.	12 cement	19	19	19	2088.00	2088.00	2088.00	1.41
15.	13 glass and glassware	28	28	41	882.02	781.90	831.96	0.56
16.	14 ceramics	14	14	17	967.20	621.03	794.12	0.54
17.	15 plywood and tea chests	13	13	17	283.44	278.42	280.93	0.19
18.	16 paper and paper board	40	40	41	2404.53	2370.28	2387.40	1.62
19.	17 matches	24	24	28	404.98	396.16	400.57	0.27
20.	18 cotton textiles : unclassified	7	7	9	758.16	681.20	719.68	0.49
21.	18a " : spinning mills	28	28	34	3270.74	3680.95	3475.85	2.35
22.	18b " : composite mills	163	163	184	24612.58	23442.30	24027.44	16.23
23.	18c " : powerloom mills	12	12	20	1094.91	1049.78	1072.34	0.73
24.	19 woollen textiles	17	17	20	904.82	1256.48	1080.65	0.73
25.	20 jute textiles	56	56	67	6857.37	6650.19	6753.78	4.57
26.	21 chemicals (including drugs)	42	42	56	6679.10	6314.89	6469.99	4.40
27.	22a aluminium, copper and brass : primary products	4	4	4	529.20	529.20	529.20	0.36
28.	22b " : secondary products	39	39	53	1089.08	1113.39	1101.23	0.75
29.	23a iron and steel : primary products	7	7	7	5770.92	577.92	5770.92	3.91
30.	23b " : secondary products	57	57	87	3241.42	3449.46	3345.44	2.27
31.	24 bicycles	9	9	11	211.96	211.67	211.82	0.14
32.	25 sewing machines	6	6	6	154.43	154.43	154.43	0.10
33.	27 electric lamps	7	7	7	141.95	141.95	141.95	0.10
34.	28 electric fans	8	8	9	295.76	270.50	282.63	0.19

*National Sample Survey*

TABLE 15 (Contd.): ESTIMATES OF FIXED AND WORKING CAPITAL IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

number	CMI classification description	sample size (number of factories)			item : fixed and working capital unit : lakhs of rupees			percentage to all industries total
		sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
35. 29	general engineering and electrical engineering : unspecified	11	11	17	8837.25	2055.93	1446.59	0.98
36. 29a	„ : repairing works	19	19	19	1181.84	830.58	1006.21	0.68
37. 29b	„ : manufacturing	46	46	68	4315.73	3095.33	3705.53	2.51
38. 30	footwear and leather manufacturing	12	12	13	370.19	420.24	395.22	0.27
39. 31	rubber and rubber manufacturing	36	36	46	1362.75	1343.20	1352.98	0.92
40. 32	enamelware	3	3	5	62.01	65.97	63.99	0.04
41. 33	hume pipes and other cement and cement concrete products	8	8	11	192.51	241.88	217.20	0.15
42. 34	asbestos and asbestos cement products	5	5	5	263.90	263.90	263.90	0.18
43. 35	bricks, tiles, lime and surki manufacturing	10	10	17	446.56	405.79	426.18	0.29
44. 36	lac	5	5	6	127.26	136.71	131.99	0.09
45. 37	turpentine and rosin	3	3	3	46.37	47.37	46.37	0.03
46. 38	plastics (including gramophone records)	3	5	8	162.48	242.52	202.50	0.14
47. 39	petroleum refining	3	3	3	152.52	152.52	152.52	0.10
48. 40	saw milling	17	17	25	424.80	468.56	446.68	0.30
49. 41	woodware (including furniture)	9	9	16	93.09	397.04	245.07	0.17
50. 42	tea manufacturing	62	61	121	11957.49	12341.15	12149.32	8.23
51. 43	tobacco products	46	46	51	1896.95	18.4.87	1850.91	1.25
52. 44	groundnut decorticating etc.	25	25	36	395.38	1873.68	1134.53	0.77
53. 45	printing and bookbinding etc.	37	37	70	4036.59	3090.01	3560.30	2.41
54. 46	webbing narrow fabrics	5	5	8	153.93	99.87	126.90	0.09
55. 47	hosiery and other knitted goods	7	7	12	316.49	338.63	327.56	0.22
56. 48	thread and thread ball making	2	2	3	7.29	77.29	77.29	0.25
57. 49	textiles dyeing, bleaching etc.	17	17	24	480.40	570.54	525.47	0.36
58. 50	clothing and tailoring	3	3	4	85.31	64.70	75.01	0.05
59. 51	cotton ginning and pressing	89	89	173	2389.56	1839.08	2114.33	1.43
60. 52	rope making	5	5	6	65.07	63.03	64.05	0.04
61. 53	silk and artificial silk	23	23	35	1292.27	2174.74	1733.50	1.17
62. 54	jute pressing	8	8	11	261.78	249.74	255.76	0.17
63. 55	electricity generation and transformation	20	20	30	23166.03	12871.15	18018.59	2.20
64. 56	automobiles and coach building	63	63	92	3387.56	3449.42	3418.49	2.31
65. 57	ship building and repairing	12	12	14	969.95	963.80	966.87	0.65
66. 60	aircraft assembling and repairing services	3	3	4	680.31	680.31	680.31	0.46
67. 62	textile machineries and accessories	11	11	14	323.22	463.62	393.42	0.27
68. 63	unspecified industries	139	139	212	8599.97	9419.40	9009.68	6.10
69.	all industries	1859	1859	2665	152377.78	143079.47	147728.64	100.00



*Manufacturing Industries : 1952*

TABLE 16: ESTIMATES OF THE NUMBER OF WORKING DAYS DURING THE YEAR IN  
FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES: 1952

CMI classification		sample size (number of factories)			item : number of working days during the year unit : days (00)			percen- tage to all indus- tries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. 1	wheat flour	27	27	38	381	312	346	0.70
2. 2	rice milling	116	116	201	3,796	3,643	3,720	7.50
3. 3	biscuit making	11	11	17	407	401	404	0.81
4. 4	fruits and vegetable processing	6	6	8	63	77	70	0.14
5. 5a	sugar : vacuum pan factory	81	81	94	173	232	202	0.41
6. 5b	„ : refineries	3	3	4	36	36	36	0.07
7. 5c	„ : gur factories	9	9	16	341	472	406	0.82
8. 6	distilleries and breweries	15	15	20	96	222	159	0.32
9. 7	starch	6	6	10	169	96	132	0.27
10. 8	vegetable oil (including hydro- genated oil)	158	158	251	2,789	3,109	2,949	5.93
11. 9	paints and varnishes	11	11	16	252	255	254	0.15
12. 10	soap	23	23	26	224	127	175	0.35
13. 11	tanning	24	24	32	325	420	373	0.75
14. 12	cement	19	19	19	67	67	67	0.13
15. 13	glass and glassware	28	28	41	385	350	368	0.74
16. 14	ceramics	14	14	17	148	194	171	0.34
17. 15	plywood and tea chest	13	13	17	201	182	192	0.39
18. 16	paper and paper board	40	40	41	179	183	181	0.36
19. 17	matches	24	24	28	96	128	112	0.23
20. 18	cotton textiles : unclassified	7	7	9	47	41	44	0.09
21. 18a	„ : spinning mills	28	28	34	329	310	320	0.64
22. 18b	„ : composite mills	163	163	184	816	782	799	1.61
23. 18c	„ : powerloom mills	12	12	20	1,150	1,144	1,147	2.31
24. 19	woollen textiles	17	17	20	210	210	210	0.42
25. 20	jute textiles	56	56	67	275	262	268	0.54
26. 21	chemicals (including drugs)	42	42	56	992	979	986	1.99
27. 22a	aluminium, copper and brass : primary products	4	4	4	14	14	14	0.03
28. 22b	„ : secondary products	39	39	53	1,001	575	788	1.49
29. 23a	iron and steel : primary products	7	7	7	24	24	24	0.05
30. 23b	„ : secondary products	57	57	87	2,714	2,954	2,834	5.71
31. 24	bicycles	9	9	11	116	110	113	0.23
32. 25	sewing machines	6	6	6	18	18	18	0.04
33. 27	electric lamps	7	7	7	21	21	21	0.04

National Sample Survey

TABLE 16 (Contd.): ESTIMATES OF THE NUMBER OF WORKING DAYS DURING THE YEAR IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item: number of working days during the year unit: days (00)			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
34. 28	electric fans	8	8	9	96	94	95	0.19
35. 29	general engineering and electrical engineering : unclassified	11	11	17	592	585	588	1.18
36. 29a	„ „ : repairing works	19	11	17	592	585	588	1.18
37. 29b	„ „ : manufacturing	46	46	68	2,322	2,584	2,453	4.94
38. 30	footwear and leather manufacturing	12	12	13	101	31	66	0.13
39. 31	rubber and rubber manufacturing	36	36	46	376	386	381	0.77
40. 32	enamelware	3	3	5	61	61	61	0.12
41. 33	hume pipes and other cement and cement concrete products	8	8	11	132	242	187	0.38
42. 34	asbestos and asbestos cement products	5	5	5	13	13	13	0.03
43. 35	bricks, tiles, lime and surki manufacturing	10	10	17	836	804	820	1.65
44. 36	lac	5	5	6	36	44	40	0.08
45. 37	turpentine and rosin	3	3	3	6	6	6	0.01
46. 38	plastics (including gramophone records)	5	5	8	212	77	145	0.29
47. 49	petroleum refining	3	3	3	7	7	7	0.01
48. 40	saw milling	17	17	25	1,182	1,058	1,120	2.26
49. 41	woodware (including furniture)	9	9	16	310	216	263	0.53
50. 42	tea manufacturing	62	62	121	2,908	2,906	2,907	5.86
51. 43	tobacco products	46	46	51	148	247	198	0.40
52. 44	groundnut decorticating etc.	25	25	36	662	808	735	1.48
53. 45	printing and bookbinding etc.	37	37	70	4,195	4,707	4,451	8.96
54. 46	webbing narrow fabrics	5	5	8	246	215	230	0.46
55. 47	hosiery and other knitted goods	7	7	12	741	978	859	1.73
56. 48	thread and thread ball making	2	2	3	37	37	37	0.07
57. 49	textiles dyeing, bleaching etc.	17	17	24	227	528	378	0.76
58. 50	clothing and tailoring	3	3	4	79	6	42	0.08
59. 51	cotton ginning and pressing	89	89	173	1,998	1,854	1,926	3.88
60. 52	rope making	5	5	6	25	24	24	0.05
61. 53	silk and artificial silk	233	23	35	1,584	1,558	1,571	3.16
62. 54	jute pressing	8	8	11	63	47	55	0.11
63. 55	electricity generation and trans- formation	20	20	30	1,209	1,229	1,229	2.47
64. 56	automobiles and coach building	63	63	92	2,150	2,002	2,076	4.18
65. 57	ship building and repairing	12	12	14	126	125	125	0.25
66. 60	aircraft assembling and repairing services	3	3	4	42	42	42	0.08
67. 62	textile machineries and accessories	11	11	14	482	496	489	0.98
68. 63	unspecified industries	139	139	212	6,072	6,779	6,426	12.95
69.	all industries	1,859	1,859	2,665	58,899	50,418	49,659	100.00

*Manufacturing Industries : 1952*

TABLE 17 : ESTIMATES OF MAN-HOURS WORKED DURING THE YEAR IN FACTORIES  
USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : man-hours worked during the year unit : hours in lakhs			percen- tage to all indus- tries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. 1	wheat flour	27	27	38	116.71	102.85	109.78	0.22
2. 2	rice milling	116	116	201	574.48	626.34	600.41	1.18
3. 3	biscuit making	11	11	17	178.37	143.24	160.80	0.32
4. 4	fruits and vegetable processing	6	6	8	13.60	68.68	41.14	0.08
5. 5a	sugar : vacuum pan factory	81	81	94	1367.88	1357.50	1362.69	2.67
6. 5b	„ : refineries	3	3	4	29.68	29.68	29.68	0.06
7. 5c	„ : gur factories	9	9	16	58.12	86.49	72.31	0.14
8. 6	distilleries and breweries	15	15	20	120.26	155.31	137.78	0.27
9. 7	starch	6	6	10	66.73	21.40	44.07	0.09
10. 8	vegetable oils (including hydro- genated oil)	158	158	251	829.04	1096.76	962.89	1.89
11. 9	paints and varnishes	11	11	16	100.63	106.92	103.78	0.20
12. 10	soap	23	23	26	215.43	173.33	194.38	0.38
13. 11	tanning	24	24	32	143.48	168.43	155.96	0.31
14. 12	cement	19	19	19	319.06	319.06	319.06	0.63
15. 13	glass and glassware	28	28	41	445.14	727.51	586.33	1.15
16. 14	ceramics	14	14	17	97.25	441.75	419.50	0.82
17. 15	plywood and tea chest	13	13	17	119.60	146.47	133.03	0.26
18. 16	paper and paper board	40	40	41	881.48	893.52	887.50	1.73
19. 17	matches	24	24	28	253.15	274.26	263.70	0.52
20. 18	cotton textiles : unclassified	7	7	9	503.67	439.28	471.48	0.92
21. 18a	„ : spinning mills	28	28	34	1872.39	2177.86	2025.12	3.96
22. 18b	„ : composite mills	163	163	184	14647.30	14004.47	14325.88	28.06
23. 18c	„ : powerloom mills	12	12	20	744.13	510.04	627.08	1.23
24. 19	woollen textiles	17	17	20	301.39	584.08	442.73	0.87
25. 20	jute textiles	56	56	67	6071.85	6298.56	6185.21	2.11
26. 21	chemicals (including drugs)	42	42	56	1102.18	1092.08	1097.13	2.15
27. 22a	aluminium, copper and brass : primary products	4	4	4	79.24	79.24	79.24	0.16
28. 22b	„ : secondary products	39	39	53	302.84	420.19	361.51	0.71
29. 23a	iron and steel : primary products	7	7	7	1248.35	1248.35	1248.35	2.44
30. 23b	„ : secondary products	57	57	87	1378.35	1456.57	1417.46	2.77
31. 24	bicycles	9	9	11	56.68	51.22	53.95	0.11
32. 25	sewing machines	6	6	6	45.86	45.86	45.86	0.09
33. 27	electric lamps	7	7	7	26.35	26.35	26.35	0.05

National Sample Survey

TABLE 17 (Contd.): ESTIMATES OF MAN-HOURS WORKED DURING THE YEAR IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES: 1952

CMI classification		sample size (number of factories)			item : man-hours worked during the year unit : hours in lakhs			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
34. 28	electric fans	8	8	9	88.28	88.40	86.34	0.17
35. 29	general engineering and electrical engineering : unspecified	11	11	17	466.13	743.90	605.02	1.19
36. 29a	„ „ : repairing works	19	19	32	537.04	589.03	563.03	1.11
37. 29b	„ „ : manufacturing	46	46	68	813.91	1015.83	914.87	1.79
38. 30	footwear and leather manufacturing	12	12	13	248.89	243.86	246.38	0.48
39. 31	rubber and rubber manufacturing	36	36	46	302.36	339.77	321.06	0.63
40. 32	enamelware	3	3	5	60.04	60.96	60.50	0.12
41. 33	hume pipes and other cement and cement concrete products	7	8	11	66.19	86.67	76.43	0.15
42. 34	asbestos and asbestos cement pro- ducts	5	5	5	66.72	66.72	66.72	0.13
43. 35	bricks, tiles, lime and surki manufacturing	10	10	17	439.18	304.54	371.86	0.73
44. 36	lac	5	5	6	33.97	35.18	34.58	0.07
45. 37	turpentine and rosin	3	3	3	7.25	7.25	7.25	0.01
46. 38	plastics (including gramophone records)	5	5	8	90.00	67.31	78.66	0.16
47. 39	petroleum refining	3	3	3	48.94	48.94	48.94	0.10
48. 40	saw milling	17	17	25	217.49	185.67	201.58	0.39
49. 41	woodware (including furniture)	9	9	16	79.99	107.62	93.80	0.18
50. 42	tea manufacturing	62	62	121	1943.66	1821.47	1882.56	3.69
51. 43	tobacco products	46	46	51	466.90	478.31	472.61	0.93
52. 44	groundnut decorticating etc.	25	25	36	361.55	243.48	302.52	0.59
53. 45	printing and bookbinding etc.	37	37	70	1580.24	1727.47	1653.85	3.24
54. 46	webbing narrow fabrics	5	5	8	79.46	64.44	71.95	0.14
55. 47	hosiery and other knitted goods	7	7	12	156.57	226.80	191.68	0.38
56. 48	thread and thread ball making	2	2	3	13.85	13.85	13.85	0.03
57. 49	textiles dyeing, bleaching etc.	17	17	24	274.66	257.36	266.01	0.52
58. 50	clothing and tailoring	3	3	4	32.48	20.84	26.66	0.05
59. 51	cotton ginning and pressing	89	89	173	542.36	613.96	578.66	1.13
60. 52	rope making	5	5	6	30.57	30.64	30.61	0.08
61. 53	silk and artificial silk	23	23	35	966.20	899.12	932.66	1.83
62. 54	jute pressing	8	8	11	17.42	10.82	14.12	0.03
63. 55	electricity generation and trans- formation	20	20	30	1015.44	699.86	857.65	1.68
64. 56	automobiles and coach building	63	63	92	792.10	698.70	745.40	1.46
65. 57	ship building and repairing	12	12	14	376.31	378.05	377.18	0.74
66. 60	aircraft assembling and repairing services	3	3	4	99.82	99.82	99.82	0.20
67. 62	textile machineries and accessories	11	11	14	148.41	242.07	195.44	0.38
68. 63	unspecified industries	139	139	212	3487.32	3617.73	3552.52	6.96
69.	all industries	1859	1859	2665	50563.37	51506.09	51034.71	100.00

*Manufacturing Industries : 1952*

TABLE 18: ESTIMATES OF WORKERS DIRECTLY EMPLOYED PER WORKING DAY IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : number of workers per working day unit : number (00)			percent- age to all indus- tries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. 1	wheat flower	27	27	38	53.95	51.63	52.79	0.23
2. 2	rice milling	116	116	201	411.93	493.71	452.82	1.96
3. 3	biscuit making	11	11	17	73.44	60.76	67.10	0.29
4. 4	fruits and vegetable processing	6	6	8	8.37	33.93	21.15	0.09
5. 5a	sugar : vacuum pan factory	81	81	94	885.55	878.77	882.16	3.82
6. 5b	„ : refineries	3	3	4	20.39	20.39	20.39	0.09
7. 5c	sugar : gur factories	9	9	16	76.62	99.36	87.99	0.38
8. 6	distilleries and breweries	15	15	20	56.55	65.95	61.25	0.26
9. 7	starch	6	6	10	45.66	15.76	30.71	0.13
10. 8	vegetable oil (including hydro- genated oil)	158	158	251	461.16	578.88	520.03	2.25
11. 9	paints and varnishes	11	11	16	41.78	43.96	42.87	0.19
12. 10	soap	23	23	26	90.96	73.70	82.33	0.36
13. 11	tanning	24	24	32	70.82	73.10	71.96	0.31
14. 12	cement	19	19	19	111.68	111.68	111.68	0.48
15. 13	glass and glassware	28	28	41	223.47	346.33	284.90	1.23
16. 14	ceramics	14	14	17	162.58	173.30	167.94	0.73
17. 15	plywood and tea chests	13	13	17	49.31	69.79	59.55	0.26
18. 16	paper and paper board	40	40	41	213.25	217.33	215.29	0.93
19. 17	matches	24	24	28	112.78	125.10	118.94	0.51
20. 18	cotton textiles : unclassified	7	7	9	188.35	200.89	194.62	0.84
21. 18a	„ „ : spinning mills	28	28	34	838.89	905.05	871.97	3.77
22. 18b	„ „ : composite mills	163	163	184	6195.59	5910.35	6052.98	26.17
23. 18c	„ „ : powerloom mills	12	12	20	311.86	220.42	266.14	1.15
24. 19	woollen textiles	17	17	20	128.28	243.52	185.90	0.80
25. 20	jute textiles	56	56	67	2758.52	2849.10	2803.81	12.13
26. 21	chemicals (including drugs)	42	42	56	388.57	393.79	391.18	1.69
27. 22a	aluminium, copper and brass : primary products	4	4	4	29.50	29.50	29.50	0.13
28. 22b	„ : secondary products	39	39	53	128.23	137.71	132.97	0.58
29. 23a	iron and steel : primary products	7	7	7	463.33	463.33	463.33	2.00
30. 23b	„ : secondary products	57	57	87	606.43	617.87	612.15	2.65
31. 24	bicycles	9	9	11	24.98	22.74	23.86	0.10
32. 25	sewing machines	6	6	6	19.78	19.78	19.78	0.09
33. 27	electric lamps	7	7	7	11.28	11.28	11.28	0.05

*National Sample Survey*

TABLE 18 (Contd.): ESTIMATES OF WORKERS DIRECTLY EMPLOYED PER WORKING DAY  
IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLE : 1952

CMI classification		sample size (number of factories)			item : number of workers per working day unit : number (00)			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
34.	28 electric fans	8	8	9	38.30	36.62	37.46	0.16
35.	29 general engineering and electrical engineering : unspecified	11	11	17	198.44	310.58	254.51	1.10
36.	29a ,, ,, : repairing works	19	19	32	234.28	247.66	240.97	1.04
37.	29b ,, ,, : manufacturing	46	46	68	343.74	434.04	388.89	1.68
38.	30 footwear and leather manufacturing	12	12	13	108.15	105.99	107.07	0.46
39.	31 rubber and rubber manufacturing	36	36	46	141.22	163.00	152.11	0.66
40.	32 enamelware	3	3	5	24.38	24.74	24.56	0.11
41.	33 hume pipes and other cement and cement concrete products	8	8	11	32.73	35.33	34.03	0.15
42.	34 asbestos and asbestos cement products	5	5	5	30.05	30.05	30.05	0.13
43.	35 bricks, tiles, lime and surki manufacturing	10	10	17	192.32	134.88	163.60	0.71
44.	36 lac	5	5	6	15.25	16.21	15.73	0.07
45.	37 turpentine and rosin	3	3	3	2.96	2.96	2.96	0.01
46.	38 plastics (including gramophone records)	5	5	8	41.75	29.87	35.81	0.15
47.	39 petroleum refining	3	3	3	16.76	16.76	16.76	0.07
48.	40 saw milling	17	17	25	123.18	96.72	109.95	0.48
49.	41 woodware (including furniture)	9	9	16	35.99	45.75	40.87	0.18
50.	42 tea manufacturing	62	62	121	958.97	941.39	950.18	4.11
51.	43 tobacco products	46	46	51	281.74	274.04	277.90	1.20
52.	44 groundnut decorticating etc.	25	25	36	216.72	155.70	186.21	0.81
53.	45 printing and bookbinding etc.	37	37	70	698.39	679.97	689.18	2.98
54.	46 webbing narrow fabrics	5	5	8	32.55	27.11	29.83	0.13
55.	47 hosiery and other knitted goods	7	7	12	68.05	93.47	80.76	0.35
56.	48 thread and thread ball making	2	2	3	4.68	4.68	4.68	0.02
57.	49 textiles dyeing, bleaching etc.	17	17	24	116.60	106.94	111.77	0.48
58.	50 clothing and tailoring	3	3	4	13.87	9.07	11.47	0.05
59.	51 cotton ginning and pressing	89	89	173	703.44	712.24	707.84	3.06
60.	52 rope making	5	5	6	18.81	17.57	18.19	0.08
61.	53 silk and artificial silk	23	23	35	427.23	379.63	403.43	1.74
62.	54 jute pressing	8	8	11	9.62	7.18	8.40	0.04
63.	55 electricity generation and transfor- mation	20	20	30	410.71	304.59	357.65	1.55
64.	56 automobiles and coach building	63	63	92	339.35	303.09	321.22	1.39
65.	57 ship building and repairing	12	12	14	172.08	173.28	172.68	0.75
66.	60 aircraft assembling and repairing services	3	3	4	61.74	61.74	61.74	0.27
67.	62 textile machineries and accessories	11	11	14	61.42	99.28	80.35	0.35
68.	63 unspecified industries	139	139	212	1484.53	1673.25	1578.89	6.83
69.	all industries	1859	1859	2665	22923.84	23314.14	23119.02	100.00

*Manufacturing Industries : 1952*

TABLE 19 : ESTIMATES OF PERSONS OTHER THAN WORKERS PER WORKING DAY IN  
FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : number of persons other than workers per working day unit : number (00)			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	38	13.55	13.35	13.35	0.40
2.	2 rice milling	116	116	201	101.72	133.36	117.54	3.47
3.	3 biscuit making	1	11	17	27.57	24.03	25.80	0.76
4.	4 fruits and vegetable processing	6	6	8	3.06	3.72	3.39	0.10
5.	5a sugar : vacuum pan factory	81	81	94	248.27	276.65	262.46	7.75
6.	5b ,, : refineries	3	3	4	4.74	4.74	4.74	0.14
7.	5c ,, : gur-factories	9	8	16	2.44	14.56	8.30	0.25
8.	6 distilleries and breweries	15	15	20	15.25	19.61	17.43	0.51
9.	7 starch	6	6	10	8.72	1.36	5.0	0.15
10.	8 vegetable oil (including hydro- genated oil)	158	158	251	11.77	126.27	119.03	3.51
11.	9 paints and varnishes	11	11	16	12.07	13.45	12.76	0.38
12.	10 soap	23	23	26	32.84	12.00	22.42	0.66
13.	11 tanning	24	24	32	11.62	11.45	11.53	0.34
14.	12 cement	19	19	19	29.21	29.21	29.21	0.86
15.	13 glass and glassware	28	28	41	21.98	29.66	25.82	0.76
16.	14 ceramics	14	14	17	24.53	26.01	25.77	0.76
17.	15 plywood and tea chests	13	13	17	16.51	11.67	14.09	0.42
18.	16 paper and paper board	40	40	41	39.39	39.15	39.27	1.16
19.	17 matches	24	24	28	19.32	15.56	17.44	0.51
20.	18 cotton textiles : unclassified	7	7	9	14.99	15.17	15.08	0.45
21.	18a ,, ,, : spinning mills	28	28	34	51.73	62.99	57.36	1.69
22.	18b ,, ,, : composite mills	163	162	184	386.81	387.73	387.27	1.42
23.	18c ,, ,, : powerloom mills	12	12	20	23.84	23.36	23.60	0.70
24.	19 woollen textiles	17	17	20	16.42	28.22	22.32	0.66
25.	20 jute textiles	56	56	67	228.63	150.87	189.75	5.60
26.	21 chemicals (including drugs)	42	42	56	103.08	129.74	116.41	3.44
27.	22a aluminium, copper and brass : primary products	4	4	4	9.92	9.92	9.92	0.29
28.	22b ,, ,, : secondary products	39	39	53	31.27	24.81	28.04	0.83
29.	23a iron and steel : primary products	7	7	7	112.93	112.92	112.92	3.33
30.	23b ,, ,, : secondary products	57	57	87	97.51	110.09	103.80	3.06
31.	24 bicycles	9	9	11	5.05	5.21	5.13	0.15
32.	25 sewing machines	6	6	6	2.65	2.65	2.65	0.08

*National Sample Survey*

TABLE 19 (Contd.): ESTIMATES OF PERSONS OTHER THAN WORKERS PER WORKING DAY  
IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

number	CMI classification description	sample size (number of factories)			item : number of persons other than workers per working day unit : lakhs of rupees			percent- age to all indus- tries total
		sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
33. 27	electric lamps	7	7	7	2.66	2.66	2.66	0.08
34. 28	electric fans	8	8	9	12.18	10.74	11.46	0.34
35. 29	general engineering and electrical engineering : unspecified	11	11	17	37.20	64.38	50.79	1.50
36. 29a	„ : repairing works	19	19	32	39.04	35.44	37.24	1.10
37. 29b	„ : manufacturing	46	46	68	71.87	81.57	76.72	2.26
38. 30	footwear and leather manufacturing	12	12	13	18.74	19.22	18.98	0.58
39. 31	rubber and rubber manufacturing	36	36	36	32.26	33.84	33.05	0.90
40. 32	enamelware	3	3	5	3.30	3.66	3.46	0.70
41. 33	hume pipes and other cement and cement concrete products	8	8	11	5.86	6.48	6.71	0.18
42. 34	asbestos and asbestos cement products	5	5	5	1.20	1.20	1.20	0.04
43. 35	bricks, tiles, lime and surki manufacturing	10	10	17	28.66	24.62	26.64	0.79
44. 36	lac	5	5	6	2.98	3.10	3.04	0.09
45. 37	turpentine and rosin	3	3	3	1.25	1.25	1.25	0.04
46. 38	plastics (including gramophone records)	5	5	8	11.71	6.31	9.01	0.27
47. 39	petroleum refining	3	3	3	3.38	3.28	2.28	0.10
48. 40	saw milling	17	17	25	18.14	28.28	23.21	0.69
49. 41	woodware (including furniture)	9	9	16	3.95	10.35	7.15	0.21
50. 42	tea manufacturing	62	62	121	78.00	86.88	82.44	2.43
51. 43	tobacco products	46	46	51	27.90	26.32	27.11	0.80
52. 44	groundnut decorticating etc.	25	25	36	30.20	21.22	25.71	0.76
53. 45	printing and bookbinding etc.	37	37	70	163.29	161.93	162.61	4.80
54. 46	webbing narrow fabrics	5	5	8	3.52	.28	3.40	0.10
55. 47	hosiery and other knitted goods	7	7	12	6.91	14.75	10.83	0.32
56. 48	thread and thread ball making	2	2	3	1.44	1.44	1.44	0.04
57. 49	textiles dyeing, bleaching etc.	17	17	24	13.02	14.42	13.72	0.40
58. 50	clothing and tailoring	3	3	4	2.35	1.39	1.87	0.06
59. 51	cotton ginning and pressing	89	89	173	182.56	217.56	199.78	5.90
60. 52	rope making	5	5	6	1.87	1.67	1.77	0.05
61. 53	silk and artificial silk	23	23	35	32.53	34.08	33.30	0.98
62. 54	jute pressing	8	8	11	3.67	3.91	3.79	0.11
63. 55	electricity generation and transformation	20	20	30	274.50	158.54	216.52	6.39
64. 56	automobiles and coach building	63	63	92	130.07	103.01	116.54	3.44
65. 57	ship building and repairing	12	12	14	30.97	31.93	31.45	0.93
66. 60	aircraft assembling and repairing services	3	3	4	48.55	48.55	48.55	1.43
67. 62	textile machineries and accessories	11	11	14	6.82	4.56	10.69	0.32
68. 63	unspecified industries	139	139	212	221.36	240.82	232.09	6.82
69.	all industries	1859	1859	2665	3333.61	3392.16	3387.87	100.00



*Manufacturing Industries : 1952*

TABLE 20 : ESTIMATES OF EMPLOYEES PER WORKING DAY IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : total number of employees per working day unit : number (00)			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	38	67.50	64.98	66.24	0.25
2.	2 rice milling	116	116	201	513.65	627.07	570.36	2.15
3.	3 biscuit making	11	11	17	101.01	84.79	92.90	0.35
4.	4 fruits and vegetable processing	6	6	8	11.43	37.65	24.54	0.09
5.	5a sugar : vacuum pan factory	81	81	94	1133.82	1155.42	1144.62	4.32
6.	5b ,, : refineries	3	3	4	25.13	25.13	25.13	0.09
7.	5c sugar : gur factories	9	9	16	79.06	113.92	96.49	0.36
8.	6 distilleries and breweries	15	15	20	71.80	85.56	78.68	0.30
9.	7 starch	6	6	10	54.38	17.12	35.75	0.13
10.	8 vegetable oil (including hydro- genated oil)	158	158	251	572.93	705.15	639.05	2.41
11.	9 paints and varnishes	11	11	16	53.85	57.41	55.63	0.21
12.	10 soap	23	23	26	123.80	85.70	104.75	0.40
13.	11 tanning	24	24	32	82.43	84.55	83.49	0.31
14.	12 cement	19	19	19	140.89	140.89	140.89	0.53
15.	13 glass and glassware	28	28	41	245.45	375.99	310.72	1.17
16.	14 ceramics	14	14	17	188.11	199.31	193.71	0.73
17.	15 plywood and tea chests	13	13	17	65.82	81.46	73.64	0.28
18.	16 paper and paper board	40	40	41	252.64	256.48	254.56	0.96
19.	17 matches	24	24	28	132.10	140.66	136.38	0.51
20.	18 cotton textiles : unclassified	7	7	9	203.34	216.06	209.70	0.79
21.	18a ,, ,, : spinning mills	28	28	34	890.62	968.04	929.33	3.51
22.	18b ,, ,, : composite mills	163	163	184	6582.40	6298.08	6440.25	24.30
23.	18c ,, ,, : powerloom mills	12	12	20	335.70	243.78	289.74	1.09
24.	19 woollen textiles	17	17	20	144.70	271.74	208.22	0.79
25.	20 jute textiles	56	56	67	2987.15	2999.97	2993.56	11.29
26.	21 chemicals (including drugs)	42	42	56	491.65	523.53	507.59	1.91
27.	22a aluminium, copper and brass : primary products	4	4	4	39.42	39.42	39.42	0.15
28.	22b ,, : secondary products	39	39	53	149.50	162.52	161.01	0.61
29.	23a iron and steel : primary products	7	7	7	576.25	576.25	576.25	2.17
30.	23b ,, ,, : secondary products	57	57	87	703.94	727.96	715.95	2.70
31.	24 bicycles	9	9	11	30.03	27.95	28.99	0.11
32.	25 sewing machines	6	6	6	2.43	22.43	22.43	0.08
33.	27 electric lamps	7	7	7	13.94	13.94	14.94	0.05

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TABLE 20 (Contd.): ESTIMATES OF EMPLOYEES PER WORKING DAY IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

number	CMI classification description	sample size (number of factories)			item : total number of employees per working unit : number (00)			percentage to all industries total
		sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
34. 28	electric fans	8	8	9	50.48	47.36	48.92	0.18
35. 29	general engineering and electrical engineering : unspecified	11	11	17	235.64	374.96	305.30	1.05
36. 29a	„ : repairing works	19	19	32	273.32	283.10	278.21	1.05
37. 29b	„ : manufacturing	46	46	68	415.61	515.61	465.61	1.76
38. 30	footwear and leather manufacturing	12	12	13	126.89	125.21	126.05	0.48
39. 31	rubber and rubber manufacturing	36	36	46	173.48	196.84	185.16	0.70
40. 32	enamelware	3	3	5	27.68	28.40	28.04	0.11
41. 33	hume pipes and other cement and cement concrete products	8	8	11	38.59	41.81	40.20	0.15
42. 34	asbestos and asbestos cement products	4	5	5	31.25	31.25	31.25	0.12
43. 35	bricks, tiles, lime and surki manufacturing	10	10	17	220.98	159.50	190.24	0.72
44. 36	lac	5	5	6	17.23	19.31	18.77	0.07
45. 37	turpentine and rosin	3	3	3	4.21	4.21	4.21	0.02
46. 38	plastics (including gramophone records)	5	4	8	53.46	36.18	44.82	0.17
47. 39	petroleum refining	3	3	3	20.04	20.04	20.04	0.08
48. 40	saw milling	17	17	25	141.32	125.00	133.16	0.50
49. 41	woodware (including furniture)	9	9	16	39.94	56.10	48.02	0.18
50. 42	tea manufacturing	62	62	121	1036.97	1028.27	1032.62	3.90
51. 43	tobacco products	46	46	51	309.64	300.36	305.01	1.15
52. 44	groundnut decorticating etc.	25	25	36	246.92	176.92	211.92	0.80
53. 45	printing and bookbinding etc.	37	37	70	861.68	841.90	851.78	3.21
54. 46	webbing narrow fabrics	5	5	8	36.07	30.39	33.23	0.13
55. 47	hosiery and other knitted goods	7	7	12	74.96	08.22	91.59	0.35
56. 48	thread and thread ball making	2	2	3	6.12	6.12	6.12	0.02
57. 49	textiles dyeing, bleaching etc.	17	17	24	129.62	121.36	125.49	0.47
58. 50	clothing and tailoring	3	3	4	16.22	10.46	18.53	0.43
59. 51	cotton ginning and pressing	89	89	173	885.44	929.80	907.62	3.42
60. 52	rope making	5	5	6	20.68	19.24	19.96	0.08
61. 53	silk and artificial silk	23	23	35	459.75	413.71	436.73	1.65
62. 54	jute pressing	8	8	11	13.29	11.09	12.19	0.05
63. 55	electricity generation and transformation	20	20	30	685.21	463.13	574.17	2.17
64. 56	automobiles and coach building	63	63	92	469.42	406.10	437.76	1.65
65. 57	ship building and repairing	12	12	14	203.04	205.21	204.13	0.77
66. 60	aircraft assembling and repairing services	3	3	4	110.29	110.29	110.29	0.42
67. 62	textile machineries and accessories	11	11	14	68.24	113.84	91.04	0.34
68. 63	unspecified industries	139	139	212	1705.89	1914.07	1809.98	6.83
69.	all industries	1859	1859	2665	26307.45	26706.27	26506.89	100.00

*Manufacturing Industries : 1952*

TABLE 21 : ESTIMATES OF SALARIES AND WAGES RECEIVED BY DIRECTLY EMPLOYED WORKERS IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of total salaries and wages received by workers unit : lakhs of rupees			percent- age to all indus- tries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	38	45.88	41.41	43.65	0.20
2.	2 rice milling	116	116	201	112.53	105.96	109.25	0.49
3.	3 biscuit making	11	11	17	50.24	42.27	46.25	0.21
4.	4 fruits and vegetable processing	6	6	8	2.82	12.75	7.79	0.04
5.	5a sugar : vacuum pan factory	81	81	94	536.82	551.82	544.32	2.46
6.	5b ,, : refineries	3	3	4	9.77	9.77	9.77	0.04
7.	5c ,, : gur factories	9	9	16	11.63	19.70	15.66	0.07
8.	6 distilleries and breweries	15	15	20	40.46	61.56	51.01	0.23
9.	7 starch	6	6	10	24.40	4.60	14.50	0.07
10.	8 vegetable oil (including hydro- genated oil)	158	158	251	223.23	291.34	257.29	1.17
11.	9 paints and varnishes	11	11	16	42.70	46.80	44.75	0.20
12.	10 soap	23	23	26	110.07	96.73	103.40	0.47
13.	11 tanning	24	24	32	47.33	49.69	48.51	0.22
14.	12 cement	19	19	19	132.53	132.53	132.53	0.60
15.	13 glass and glassware	28	28	41	120.93	229.70	175.32	0.79
16.	14 ceramics	14	14	17	138.18	142.76	140.47	0.64
17.	15 plywood and tea chests	13	13	17	27.35	29.54	28.45	0.13
18.	16 paper and paper board	40	40	41	210.50	212.74	211.62	0.96
19.	17 matches	24	24	28	127.87	131.81	129.84	0.59
20.	18 cotton textiles : unclassified	7	7	9	139.53	312.35	139.94	0.62
21.	18a ,, : spinning mills	28	28	34	782.25	762.65	772.45	3.50
22.	18b ,, : composite mills	163	163	184	7938.61	7525.32	7731.96	34.99
23.	18c ,, : powerloom mills	12	12	20	283.25	217.80	250.52	1.13
24.	19 woollen textiles	17	17	20	127.98	189.17	158.58	0.72
25.	20 jute textiles	56	56	67	2529.14	2552.34	2540.79	11.49
26.	21 chemicals (including drugs)	42	42	56	417.21	374.71	395.96	1.79
27.	22a aluminium, copper and brass : primary products	4	4	4	32.64	32.64	32.64	0.15
28.	22b ,, : secondary products	39	39	53	135.50	116.67	126.08	0.57
29.	23a iron and steel : primary products	7	7	7	871.85	871.85	871.85	3.95
30.	23b ,, : secondary products	57	57	87	618.97	680.14	649.56	2.94
31.	24 bicycles	9	9	11	34.83	33.22	34.03	0.15
32.	25 sewing machines	6	6	6	31.99	31.99	31.99	0.14

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TABLE 21 (Contd.) : ESTIMATES OF SALARIES AND WAGES RECEIVED BY DIRECTLY EMPLOYED WORKERS IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of total salaries and wages received by workers unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
33. 27	electric lamps	7	7	7	12.98	12.98	12.98	0.06
34. 28	electric fans	8	8	9	37.92	36.95	37.43	0.17
35. 29	general engineering and electrical engineering : unspecified	11	11	17	179.18	312.18	245.84	1.11
36. 29a	„ „ : repairing works	19	19	32	256.89	263.71	260.30	1.18
37. 29b	„ „ : manufacturing	46	46	68	357.24	429.25	393.24	1.78
38. 30	footwear and leather manufacturing	12	12	13	106.94	105.04	105.99	0.48
39. 31	rubber and rubber manufacturing	36	36	46	153.62	168.36	160.99	0.73
40. 32	enamelware	3	3	5	19.06	19.84	19.45	0.09
41. 33	hume pipes and other cement and cement concrete products	8	8	11	20.58	20.35	20.46	0.09
42. 34	asbestos and asbestos cement products	5	5	5	34.31	34.31	34.31	0.16
43. 35	bricks, tiles, lime and surki manu- facturing	10	10	17	115.17	89.44	102.31	0.46
44. 36	lac	5	5	6	12.12	12.46	12.29	0.06
45. 37	turpentine and rosin	3	3	3	2.27	2.27	2.27	0.01
46. 38	plastics (including gramophone records)	5	5	8	25.95	26.40	26.18	0.12
47. 39	petroleum refining	3	3	3	25.02	25.02	25.02	0.11
48. 40	saw milling	17	17	25	58.86	58.18	58.52	0.26
49. 41	woodware (including furniture)	9	9	16	22.44	30.79	26.61	0.12
50. 42	tea manufacturing	62	62	121	416.20	361.52	388.86	1.76
51. 43	tobacco products	46	46	51	212.40	222.43	217.42	0.98
52. 44	groundnut decorticating etc.	25	25	36	81.69	44.58	63.13	0.29
53. 45	printing and bookbinding etc.	37	37	70	738.80	762.31	750.64	3.40
54. 46	webbing narrow fabrics	5	5	8	24.99	23.73	24.36	0.11
55. 47	hosiery and other knitted goods	7	7	12	50.02	83.27	66.65	0.30
56. 48	thread and thread ball making	2	2	3	1.30	1.30	1.30	0.01
57. 49	textiles dyeing, bleaching etc.	17	17	24	126.69	111.92	119.30	0.54
58. 50	clothing and tailoring	3	3	4	9.99	7.16	8.57	0.04
59. 51	cotton ginning and pressing	89	89	173	96.79	99.09	97.90	0.44
60. 52	rope making	5	5	6	16.03	15.10	15.56	0.07
61. 53	silk and artificial silk	23	23	35	339.99	382.80	361.39	1.64
62. 54	jute pressing	8	8	11	8.20	5.80	7.00	0.03
63. 55	electricity generation and trans- formation	20	20	30	496.14	367.23	431.68	1.95
64. 56	automobiles and coach building	63	63	92	371.94	346.56	359.25	1.63
65. 57	ship building and repairing	12	12	14	258.27	258.64	258.46	6.17
66. 60	aircraft assembling and repairing services	3	3	4	90.48	90.48	90.48	0.41
67. 62	textile machineries and accessories	11	11	14	58.94	76.64	67.78	0.31
68. 63	unspecified industries	139	139	212	1369.20	1382.71	1375.96	6.21
69.	all industries	1859	1859	2665	22167.69	22025.53	22096.61	106.60

*Manufacturing Industries : 1952*

**TABLE 22 :** ESTIMATES OF SALARIES AND WAGES RECEIVED BY EMPLOYEES OTHER THAN WORKERS IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of total salaries and wages received by persons other than workers unit : lakhs of rupees			percent- age to all indus- tries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	28	24.94	20.61	22.77	0.35
2.	2 rice milling	116	116	201	81.46	84.09	82.77	1.26
3.	3 biscuit making	11	11	17	29.77	27.48	28.63	0.43
4.	4 fruits and vegetable processing	6	6	8	55.13	6.37	5.75	9.09
5.	5a sugar : vacuum pan factory	81	81	94	273.21	263.92	268.56	4.08
6.	5b „ : refineries	3	3	4	3.36	3.36	3.36	0.05
7.	5c „ : gur factories	9	9	16	1.68	3.57	2.63	0.04
8.	6 distilleries and breweries	15	15	20	23.07	44.19	33.63	0.51
9.	7 starch	6	6	10	16.10	2.78	9.44	0.14
10.	8 vegetable oil (including hydro- generated oil)	158	158	251	133.83	162.71	148.25	2.25
11.	9 paints and varnishes	11	11	16	27.37	35.61	31.49	0.48
12.	10 soap	23	23	26	46.37	35.45	40.91	0.62
13.	11 tanning	24	24	32	17.29	16.03	16.66	0.25
14.	12 cement	19	19	19	67.76	67.76	67.76	1.03
15.	13 glass and glassware	28	28	41	31.63	46.49	39.06	0.59
16.	14 ceramics	14	14	17	40.34	49.79	45.07	0.68
17.	15 plywood and tea chests	13	13	17	19.87	21.07	20.47	0.31
18.	16 paper and paper board	40	40	41	89.90	89.25	89.57	1.36
19.	17 matches	24	24	28	40.53	39.32	39.92	0.61
20.	18 cotton textiles : unclassified	7	7	9	22.78	21.86	22.32	0.34
21.	18a „ : spinning mills	28	28	34	110.06	121.12	115.59	1.76
22.	18b „ : composite mills	163	163	184	1017.25	1012.86	1015.06	5.42
23.	18c „ : powerloom mills	12	12	20	37.76	39.72	38.74	0.59
24.	19 woollen textiles	17	17	20	46.91	54.87	50.89	0.77
25.	20 jute textiles	56	56	67	307.34	312.62	309.98	4.17
26.	21 chemicals (including drugs)	42	42	56	262.21	276.76	269.49	4.09
27.	22a aluminium, copper and brass : primary products	4	4	4	20.96	20.96	20.96	0.32
28.	22b „ : secondary products	39	39	53	69.15	62.92	66.03	1.00
29.	23a iron and steel : primary products	7	7	7	373.81	373.81	373.81	5.68
30.	23b „ : secondary products	57	57	87	200.61	227.29	213.95	3.25
31.	24 bicycles	9	9	11	11.23	11.96	11.60	0.18
32.	25 sewing machines	6	6	6	8.21	8.21	8.21	0.12

*National Sample Survey*

TABLE 22 (Contd.) : ESTIMATES OF EMOLUMENTS RECEIVED BY EMPLOYEES OTHER THAN WORKERS IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of total salaries and wages received by workers other than			percentage to all industries total
					unit : lakhs of rupees			
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
33. 27	electric lamps	7	7	7	8.79	8.79	8.79	0.13
34. 28	electric fans	8	8	9	28.22	25.90	27.06	0.41
35. 29	general engineering and electrical engineering : unspecified	11	11	17	90.68	158.95	124.82	1.90
36. 29a	„ „ : repairing works	19	19	32	99.41	61.82	80.61	1.22
37. 29b	„ „ : manufacturing	46	46	68	152.88	155.15	154.01	2.34
38. 30	footwear and leather manufacturing	12	12	13	101.37	101.54	101.46	1.54
39. 31	rubber and rubber manufacturing	36	36	46	106.68	120.88	113.78	1.73
40. 32	enamelware	3	3	5	4.43	5.71	5.07	0.08
41. 33	hume pipes and other cement and cement concrete products	8	8	11	6.93	11.28	9.10	0.14
42. 34	asbestos and asbestos cement products	5	5	5	2.51	2.51	2.51	0.04
43. 35	bricks, tiles, lime and surki manu- facturing	10	10	17	227.61	27.78	27.69	0.42
44. 36	lac	5	5	6	7.00	7.06	6.03	0.11
45. 37	turpentine and rosin	3	3	3	2.82	2.82	2.82	0.04
46. 38	plastics (including gramophone records)	5	5	8	10.73	12.50	11.61	0.18
47. 39	petroleum refining	3	3	3	16.76	16.76	16.76	0.25
48. 40	saw milling	17	17	25	18.44	22.18	20.31	0.31
49. 41	woodware (including furniture)	9	9	16	5.23	10.75	7.99	0.12
50. 42	tea manufacturing	62	62	121	250.56	248.44	249.50	3.79
51. 43	tobacco products	46	46	51	73.08	73.85	73.46	1.12
52. 44	groundnut decorticating etc.	25	25	36	32.58	19.02	25.80	0.39
53. 45	printing and bookbinding etc.	37	37	70	356.05	281.52	318.78	4.84
54. 46	webbing narrow fabrics	5	5	8	5.32	4.16	4.74	0.07
55. 47	hosiery and other knitted goods	7	7	12	8.01	24.24	16.12	0.24
56. 48	thread and thread ball making	2	2	3	0.93	0.93	0.93	0.01
57. 49	textiles dyeing, bleaching etc.	17	17	24	22.42	24.65	23.54	0.36
58. 50	clothing and tailoring	3	3	4	4.12	2.14	3.13	0.05
59. 51	cotton ginning and pressing	89	89	173	98.56	88.05	93.30	1.42
60. 52	rope making	5	5	6	3.04	2.96	3.00	0.05
61. 53	silk and artificial silk	23	23	35	51.04	57.95	54.49	0.83
62. 54	jute pressing	8	8	11	3.26	3.40	3.33	0.05
63. 55	electricity generation and trans- formation	20	20	30	719.47	232.04	475.76	7.23
64. 56	automobiles and coach building	63	63	92	259.62	258.16	258.86	3.93
65. 57	ship building and repairing	12	12	14	107.73	110.31	109.02	1.66
66. 60	aircraft assembling and repairing service	3	3	4	85.80	85.80	85.80	1.30
67. 62	textile machineries and accessories	11	11	14	15.07	24.04	19.56	0.30
68. 63	unspecified industries	139	139	212	515.49	541.14	528.32	8.04
69.	all industries	1859	1859	2665	6764.47	6399.95	6582.19	100.0

*Manufacturing Industries : 1952*

TABLE 23 : ESTIMATES OF TOTAL PAYMENT TO ALL EMPLOYEES IN THE FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of total payment to all employees unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	38	77.02	68.46	72.74	0.24
2.	2 rice milling	116	116	201	229.23	224.85	227.04	0.74
3.	3 biscuit making	11	11	17	88.44	76.43	82.43	0.27
4.	4 fruits and vegetable processing	6	6	8	8.73	19.16	13.95	0.05
5.	5a sugar : vacuum pan factory	81	81	94	877.28	882.12	879.70	2.88
6.	5b ,, : refineries	3	3	4	13.39	13.39	13.39	0.04
7.	5c ,, : gur factories	9	9	16	13.76	23.65	18.71	0.06
8.	6 distilleries and breweries	15	15	20	66.31	114.41	90.22	0.30
9.	7 starch	6	6	10	42.88	8.03	25.45	0.08
10.	8 vegetable oil (including hydro- genated oil)	158	158	251	392.11	493.36	442.74	1.44
11.	9 paints and varnishes	11	11	16	73.03	87.68	80.36	0.26
12.	10 soap	23	23	26	177.09	151.35	164.22	0.54
13.	11 tanning	24	24	32	67.68	73.67	70.67	0.23
14.	12 cement	19	19	19	236.72	236.72	236.72	0.78
15.	13 glass and glassware	28	28	41	158.79	283.07	220.93	0.72
16.	14 ceramics	14	14	17	220.60	223.30	221.95	0.73
17.	15 plywood and tea chests	13	13	17	54.24	52.46	53.35	0.17
18.	16 paper and paper board	40	40	41	338.30	340.02	339.16	1.11
19.	17 matches	24	24	28	192.69	195.69	194.14	0.64
20.	18 cotton textiles: unclassified	7	7	9	170.24	161.67	165.80	0.54
21.	18a ,, : spinning mills	28	28	34	919.14	909.30	914.22	3.00
22.	18b ,, : composite mills	163	163	184	9216.35	8770.06	8993.20	29.47
23.	18c ,, : powerloom mills	12	12	20	329.80	262.86	296.33	0.97
24.	19 woollen textiles	17	17	20	180.00	254.56	217.28	0.71
25.	20 jute textiles	56	56	67	2965.15	2990.08	2977.62	9.76
26.	21 chemicals (including drugs)	42	42	56	727.65	711.80	719.73	2.36
27.	22a aluminium, copper and brass : primary products	4	4	4	63.02	63.02	63.02	0.21
28.	22b ,, ,, : secondary products	39	39	53	228.77	198.02	213.40	0.70
29.	23a iron and steel : primary products	7	7	7	1390.00	1390.00	1390.00	4.55
30.	23b ,, : secondary products	57	57	87	872.93	958.37	915.65	3.00
31.	24 bicycles	9	9	11	54.28	53.41	53.85	0.27
32.	25 sewing machines	6	6	6	41.21	41.21	41.21	0.14
33.	27 electric lamps	7	7	7	23.48	23.48	23.48	0.08

*National Sample Survey*

TABLE 23 (Contd.) : ESTIMATES OF TOTAL PAYMENT TO ALL EMPLOYEES IN THE FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of total payment to all employees unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
34. 28	electric fans	8	8	9	69.71	66.41	68.06	0.22
35. 29	general engineering and electrical engineering : unspecified	11	11	17	291.48	504.43	397.95	1.30
36. 29a	„ „ : repairing works	19	19	32	377.69	333.74	355.70	1.17
37. 29b	„ „ : manufacturing	46	46	68	534.95	622.40	578.67	1.90
38. 30	footwear and leather manufacturing	12	12	13	223.32	221.50	222.37	0.73
39. 31	rubber and rubber manufacturing	36	36	46	281.82	311.59	296.71	0.97
40. 32	enamelware	3	3	3	25.09	27.20	26.15	0.09
41. 33	hume pipes and other cement and cement concrete products	8	8	11	30.74	34.30	32.52	0.11
42. 34	asbestos and asbestos cement products	5	5	5	42.15	42.15	42.15	0.14
43. 35	bricks, tiles, lime and surki manu- facturing	10	10	17	149.30	121.21	135.26	0.44
44. 36	lac	5	5	6	22.12	22.52	22.32	0.07
45. 37	turpentine and rosin	3	3	3	5.87	5.87	5.87	0.02
46. 38	plastics (including gramophone records)	5	5	8	37.10	40.60	38.85	0.13
47. 49	petroleum refining	3	3	3	54.71	54.71	54.71	0.18
48. 40	saw milling	17	17	25	78.54	86.76	82.65	0.27
49. 41	woodware (including furniture)	9	9	16	39.22	43.63	41.42	0.14
50. 42	tea manufacturing	62	62	121	794.24	750.13	772.19	2.52
51. 43	tobacco products	46	46	51	322.72	336.64	329.68	1.08
52. 44	groundnut decorticating etc.	25	25	36	119.54	64.38	91.96	0.30
53. 45	printing and bookbinding etc.	37	37	70	1139.31	1077.78	1108.54	3.64
54. 46	webbing narrow fabrics	5	5	8	32.41	28.66	30.54	0.10
55. 47	hosiery and other knitted goods	7	7	12	67.10	115.59	91.34	0.30
56. 48	thread and thread ball making	2	2	3	2.22	2.22	2.22	0.01
57. 49	textiles dyeing, bleaching etc.	17	17	24	153.78	164.91	159.34	0.52
58. 50	clothing and tailoring	3	3	4	18.40	13.60	16.00	0.05
59. 51	cotton ginning and pressing	89	89	173	251.51	246.40	248.95	0.82
60. 52	rope making	5	5	6	20.89	19.89	20.39	0.07
61. 53	silk and artificial silk	23	23	35	396.88	448.01	422.44	1.38
62. 54	jute pressing	8	8	11	18.28	11.52	14.90	0.05
63. 55	electricity generation and trans- formation	20	20	30	1275.80	647.31	961.55	3.15
64. 56	automobiles and coach building	63	63	92	671.81	640.44	656.13	2.15
65. 57	ship building and repairing	12	12	14	389.95	410.40	400.17	1.31
66. 60	aircraft assembling and repairing services	3	3	4	188.13	188.13	188.13	0.62
67. 62	textile machineries and accessories	11	11	14	77.16	103.49	90.33	0.30
68. 63	unspecified industries	139	139	212	2041.80	2059.87	2050.84	6.71
69.	all industries	1859	1859	2665	30755.97	30732.35	30489.66	100.00



*Manufacturing Industries : 1952*

TABLE 24 : ESTIMATES OF INPUT [(A) FUELS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of input (A) fuels unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	38	26.21	26.74	26.48	0.33
2.	2 rice milling	116	116	201	112.33	97.42	104.87	1.31
3.	3 biscuit making	11	11	17	16.57	12.33	14.45	0.18
4.	4 fruits and vegetable processing	6	6	8	2.35	2.56	2.46	0.03
5.	5a sugar : vacuum pan factory	81	81	94	200.75	196.43	198.59	2.48
6.	5b ,, : refineries	3	3	4	1.84	1.84	1.84	0.02
7.	5c ,, : gur factories	9	9	16	4.78	8.43	6.60	0.08
8.	6 distilleries and breweries	15	15	20	21.40	38.99	30.19	0.38
9.	7 starch	6	6	10	13.02	2.53	7.77	0.30
10.	8 vegetable oil (including hydro- genated oil)	158	158	251	225.21	275.04	250.08	3.12
11.	9 paints and varnishes	11	11	16	6.26	13.81	10.03	0.13
12.	10 soap	23	23	26	43.79	36.25	40.02	0.50
13.	11 tanning	24	24	32	5.22	5.66	5.44	0.07
14.	12 cement	19	19	19	403.43	403.43	403.43	5.04
15.	13 glass and glassware	28	28	41	153.81	111.16	132.48	1.65
16.	14 ceramics	14	14	17	82.72	92.60	87.66	1.09
17.	15 plywood and tea chests	13	13	17	7.02	7.80	7.41	0.09
18.	16 paper and paper board	40	40	41	267.62	268.35	267.98	3.35
19.	17 matches	24	24	28	10.16	10.00	10.08	0.13
20.	18 cotton textiles : unclassified	7	7	9	40.81	41.84	41.33	0.52
21.	18a ,, : spinning mills	28	28	34	122.19	175.63	148.91	1.86
22.	18b ,, : composite mills	163	163	184	1536.66	1465.97	1501.32	18.75
23.	18c ,, : powerloom mills	12	12	20	53.31	39.92	46.62	0.58
24.	19 woollen textiles	17	17	20	31.00	42.09	36.55	0.46
25.	20 jute textiles	56	56	67	272.62	283.96	278.29	3.47
26.	21 chemicals (including drugs)	42	42	56	318.67	367.04	342.86	4.28
27.	22a aluminium, copper and brass : primary products	4	4	4	33.56	33.56	33.56	0.42
28.	22b ,, : secondary products	39	39	53	60.96	41.16	51.06	0.64
29.	23a iron and steel : primary products	7	7	7	1071.37	1071.37	1071.37	13.38
30.	23b ,, : secondary products	57	57	87	172.69	203.04	187.87	2.35
31.	24 bicycles	9	9	11	4.25	4.39	4.32	0.05
32.	25 sewing machines	6	6	6	3.12	3.12	3.12	0.04
33.	27 electric lamps	7	7	7	4.33	4.33	4.33	0.05

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TABLE 24 (Contd.): ESTIMATES OF INPUT [(A) FUELS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of input (A) fuels unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
34. 28	electric fans	8	8	9	2.89	2.52	2.70	0.03
35. 29	general engineering and electrical engineering : unspecified	11	11	17	28.34	62.41	45.37	0.57
36. 29a	„ „ : repairing works	19	19	32	51.57	36.47	44.02	0.55
37. 29b	„ „ : manufacturing	46	46	68	55.61	83.35	69.48	0.87
38. 30	footwear and leather manufacturing	12	12	13	15.20	15.06	15.14	0.19
39. 31	rubber and rubber manufacturing	36	36	46	55.96	53.56	54.76	0.68
40. 32	enamelware	3	3	5	4.42	5.24	4.83	0.06
41. 33	hume pipes and other cement and cement concrete products	8	8	11	8.75	9.26	9.00	0.11
42. 34	asbestos and asbestos cement products	5	5	5	2.82	2.82	2.82	0.04
43. 35	bricks, tiles, lime and surki manu- facturing	10	10	17	115.60	64.90	90.25	1.13
44. 36	lac	5	5	6	2.94	2.77	2.85	0.04
45. 37	turpentine and rosin	3	3	3	2.72	2.72	2.72	0.03
46. 38	plastics (including gramophone records)	5	5	8	4.46	5.00	4.73	0.06
47. 39	petroleum refining	3	3	3	28.30	28.20	28.20	0.35
48. 40	saw milling	17	17	25	14.93	9.70	12.31	0.15
49. 41	woodware (including furniture)	9	9	16	2.27	2.59	2.43	0.03
50. 42	tea manufacturing	62	62	121	341.19	430.54	385.86	4.82
51. 43	tobacco products	46	46	51	19.64	20.44	20.04	0.25
52. 44	groundnut decorticating etc.	25	25	36	35.63	13.33	24.48	0.31
53. 45	printing and bookbinding etc.	37	37	70	47.40	33.37	40.39	0.50
54. 46	webbing narrow fabrics	5	5	8	3.94	1.96	2.95	0.04
55. 47	hosiery and other knitted goods	7	7	12	6.68	11.43	9.06	0.11
56. 48	thread and thread ball making	2	2	3	0.60	0.60	0.60	0.01
57. 49	textiles dyeing, bleaching etc.	17	17	24	87.59	77.29	82.44	1.03
58. 50	clothing and tailoring	3	3	4	0.32	0.22	0.27	0.00
59. 51	cotton ginning and pressing	89	89	173	159.13	124.96	142.04	1.77
60. 52	rope making	5	5	6	1.43	1.36	1.42	0.02
61. 53	silk and artificial silk	23	23	35	45.24	47.48	36.36	0.58
62. 54	jute pressing	8	8	11	3.50	3.63	3.56	0.04
63. 55	electricity generation and trans- formation	20	30	30	1137.01	773.65	955.33	11.93
64. 56	automobiles and coach building	63	63	92	81.15	88.97	85.06	1.06
65. 57	ship building and repairing	12	12	14	21.05	20.32	29.68	0.26
66. 60	aircraft assembling and repairing services	3	3	4	71.32	71.32	71.32	0.89
67. 62	textile machineries and accessories	11	11	14	8.56	13.02	10.79	0.13
68. 63	unspecified industries	139	139	212	547.62	252.35	354.99	4.43
69.	all industries	1859	1859	2665	8255.62	7761.61	8008.62	100.00

*Manufacturing Industries : 1952*

TABLE 25 : ESTIMATES OF INPUT [(B) RAW MATERIALS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of input (B) raw materials unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	38	2212.61	1985.17	2098.89	1.64
2.	2 rice milling	116	116	201	6553.38	7118.13	6835.76	5.34
3.	3 biscuit making	11	11	17	449.80	360.43	405.12	0.32
4.	4 fruits and vegetables	6	6	8	27.94	91.40	59.67	0.05
5.	5a sugar : vacuum pan factory	81	81	94	8041.85	6975.12	7508.49	5.87
6.	5b .. : refineries	3	3	4	100.44	100.44	100.44	0.08
7.	5c .. : gur factories	9	9	16	110.09	167.76	138.92	0.11
8.	6 distilleries and breweries	15	15	20	180.38	361.31	270.85	0.21
9.	7 starch	6	6	10	350.82	55.89	203.35	0.16
10.	8 vegetable oil (including hydro- genated oil)	158	158	251	11975.27	27203.48	13587.36	11.40
11.	9 paints and varnishes	11	11	16	473.35	1166.00	819.67	0.64
12.	10 soap	23	23	26	1621.70	1531.24	1576.47	1.23
13.	11 tanning	24	24	32	620.93	653.42	637.17	0.50
14.	12 cement	19	19	19	896.92	896.92	896.92	0.70
15.	13 glass and glassware	28	28	41	213.06	328.80	270.93	0.21
16.	14 ceramics	14	14	17	131.44	136.47	133.95	0.10
17.	15 plywood and tea chests	13	13	17	326.66	205.75	266.21	0.21
18.	16 paper and paper board	40	40	41	1018.94	1000.54	1009.74	0.79
19.	17 matches	24	24	28	406.93	427.35	417.14	0.33
20.	18 cotton textiles : unclassified	7	7	9	462.52	448.48	455.50	0.36
21.	18a .. : spinning mills	28	28	34	3634.41	3995.68	3815.04	2.98
22.	18b .. : composite mills	163	163	184	27063.09	5244.47	26153.78	20.44
23.	18c .. : powerloom mills	12	12	20	1501.25	1059.44	1280.35	1.00
24.	19 woollen textiles	17	17	20	629.53	1089.60	859.57	0.67
25.	20 jute textiles	56	56	67	11645.50	12032.11	11838.81	9.25
26.	21 chemicals (including drugs)	42	42	56	3403.53	2675.30	3039.41	2.37
27.	22a aluminium, copper and brass : primary products	4	4	4	285.17	285.17	285.17	0.22
28.	22b .. .. : secondary products	39	39	53	3173.35	1032.90	2103.12	1.64
29.	23a iron and steel : primary products	7	7	7	1948.47	1948.47	1948.47	1.52
30.	23b .. .. : secondary products	57	57	87	2435.54	2622.65	2529.09	1.98
31.	24 bicycles	9	9	11	136.66	134.14	135.40	0.11
32.	25 sewing machines	6	6	6	26.76	26.76	26.76	0.02
33.	27 electric lamps	7	7	7	61.50	61.50	61.50	0.05

*National Sample Survey*

TABLE 25 (Contd.) : ESTIMATES OF INPUT [(B) RAW MATERIALS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of input (B) raw materials unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
34. 28	electric fans	8	8	9	118.84	129.02	123.93	0.10
35. 29	general engineering and electrical engineering : unspecified	11	11	17	418.34	806.18	612.26	0.48
36. 29a	„ „ : repairing works	19	19	32	509.47	513.80	511.63	0.40
37. 29b	„ „ : manufacturing	46	46	68	1034.49	1361.60	1198.05	0.94
38. 30	footwear and leather manufacturing	12	12	13	444.27	435.46	439.87	0.34
39. 31	rubber and rubber manufacturing	36	36	46	1669.74	1618.87	1644.30	1.28
40. 32	enamelware	3	3	5	33.37	39.37	36.37	0.03
41. 33	hume pipes and other cement and cement concrete products	8	8	11	61.14	76.93	69.04	0.05
42. 34	asbestos and asbestos cement products	5	5	5	167.65	167.65	167.65	0.13
43. 35	bricks, tiles, lime and surki manu- facturing	10	10	17	111.04	146.18	128.61	0.10
44. 36	lac	5	5	6	136.24	129.59	132.91	0.10
45. 37	turpentine and rosin	3	3	3	52.94	52.94	52.94	0.04
46. 38	plastics (including gramophone records)	5	5	8	106.99	203.06	155.02	0.12
47. 39	petroleum refining	3	3	3	243.68	243.68	243.68	0.19
48. 40	saw milling	17	17	25	133.88	231.88	182.88	0.14
49. 41	woodware (including furniture)	9	9	16	139.13	58.44	98.78	0.08
50. 42	tea manufacturing	62	62	121	8054.85	6727.72	7391.28	5.78
51. 43	tobacco products	46	46	51	3454.26	3175.87	3315.06	2.59
52. 44	groundnut decorticating etc.	25	25	36	1360.72	1529.03	1444.87	1.13
53. 45	printing and bookbinding etc.	37	37	70	1790.91	1430.28	1610.59	1.26
54. 46	webbing narrow fabrics	5	5	8	124.54	92.25	108.40	0.08
55. 47	hosiery and other knitted goods	7	7	12	239.97	657.74	448.85	0.35
56. 48	thread and thread ball making	2	2	3	41.49	41.49	41.49	0.03
57. 49	textiles dyeing, bleaching etc.	17	17	24	368.04	531.55	449.80	0.35
58. 50	clothing and tailoring	3	3	4	128.15	100.87	114.51	0.09
59. 51	cotton ginning and pressing	89	89	173	4790.68	3428.94	4109.81	3.21
60. 52	rope making	5	5	6	105.28	101.25	103.27	0.08
61. 53	silk and artificial silk	23	23	35	1571.38	1364.00	1467.69	1.15
62. 54	jute pressing	8	8	11	23.20	22.18	22.69	0.02
63. 55	electricity generation and trans- formation	20	20	30	1264.41	933.17	1098.79	0.86
64. 56	automobiles and coach building	63	63	92	2040.45	1895.45	1967.95	1.54
65. 57	ship building and repairing	12	12	14	252.46	267.08	259.77	0.20
66. 60	aircraft assembling and repairing services	3	3	4	178.35	178.35	178.35	0.14
67. 62	textile machineries and accessories	11	11	14	97.50	192.64	145.07	0.11
68. 63	unspecified industries	139	139	212	5113.46	5145.81	5129.63	4.01
69.	all industries	1859	1859	2665	128501.10	127452.61	127976.81	100.00

*Manufacturing Industries : 1952*

TABLE 26: ESTIMATES OF INPUT [(C) WORK DONE BY OTHER CONCERNS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLE : 1952

CMI classification		sample size (number of factories)			item : value of input (C) work done by other concerns unit : lakhs of rupees			percent- age to all indus- tries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. 1	wheat and flour	27	27	38	0.22	1.44	0.83	0.09
2. 2	rice milling	116	116	201	13.37	6.02	9.70	1.02
3. 3	biscuit making	11	11	17	1.31	1.74	1.52	0.16
4. 4	fruits and vegetable processing	6	6	8	3.06	3.06	3.06	0.32
5. 5a	sugar : vacuum pan factories	81	81	94	22.18	9.56	15.87	1.67
6. 5b	" : refineries	3	3	4	—	—	—	—
7. 5c	" : gur factories	9	9	16	—	0.01	0.01	0.00
8. 6	distilleries and breweries	15	15	20	0.47	0.01	0.24	0.04
9. 7	starch	6	6	10	—	—	—	—
10. 8	vegetable oil (including hydro- genated oil)	158	158	251	8.77	9.39	9.07	0.95
11. 9	paints and varnishes	11	11	16	—	0.11	0.06	0.01
12. 10	soap	23	23	26	0.83	0.83	0.83	0.09
13. 11	tanning	24	24	32	1.28	0.10	0.69	0.07
14. 12	cement	19	19	19	7.25	7.25	7.25	0.76
15. 13	glass and glassware	28	28	41	1.02	2.02	1.52	0.16
16. 14	ceramics	14	14	17	4.96	0.02	2.49	0.26
17. 15	plywood and tea chests	13	13	17	0.35	0.35	0.35	0.04
18. 16	paper and paper board	40	40	51	14.95	14.95	14.95	1.57
19. 17	matches	24	24	28	0.36	0.36	0.36	0.04
20. 18	cotton textiles : unclassified	7	7	9	0.84	1.16	1.00	0.10
21. 18a	" " : spinning mills	28	28	34	1.34	1.34	1.34	0.14
22. 18b	" " : composite mills	163	163	184	211.95	196.04	204.00	21.46
23. 18c	" " : powerloom mills	12	12	20	109.40	82.93	96.17	10.12
24. 19	woollen textiles	17	17	20	2.10	0.24	1.17	0.12
25. 20	jute textiles	56	56	67	6.63	4.32	5.47	0.58
26. 21	chemicals (including drugs)	42	42	56	5.62	3.44	4.53	0.48
27. 22a	aluminium, copper and brass : primary products	4	4	4	0.73	0.73	0.73	0.08
28. 22b	" : secondary products	39	39	53	5.05	10.44	7.74	0.81
29. 23a	iron and steel : primary products	7	7	7	16.54	16.54	16.54	1.74
30. 23b	" : secondary products	57	57	87	23.44	62.21	42.82	4.50
31. 24	bicycles	9	9	11	0.21	0.28	0.25	0.03
32. 25	sewing machines	6	6	6	0.04	0.04	0.04	0.00
33. 27	electric lamps	7	7	7	1.34	1.34	1.34	0.14

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TABLE 26 (Contd.) : ESTIMATES OF INPUT [(C) WORK DONE BY OTHER CONCERNS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of input (C) work done by other concerns unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
34.	28 electric fans	8	8	9	1.02	1.45	1.23	0.13
35.	29 general engineering and electrical engineering	11	11	17	13.12	17.76	15.44	1.62
36.	29a .. : repairing works	19	19	32	3.20	5.61	4.41	0.66
37.	29b .. : manufacturing	46	46	68	3.32	9.21	6.27	0.66
38.	30 footwear and leather manufacturing	12	12	13	0.36	0.36	0.36	0.04
39.	31 rubber and rubber manufacturing	36	36	46	1.98	3.03	2.51	0.26
40.	32 enamelware	3	3	5	0.11	—	0.06	0.01
41.	33 hume pipes and other cement and cement concrete products	8	8	11	—	0.12	0.06	0.01
42.	34 asbestos and asbestos cement products	5	5	5	—	—	—	—
43.	35 bricks, tiles, lime and surki manufacturing	10	10	17	—	—	—	—
44.	36 lac	5	5	6	—	—	—	—
45.	37 turpentine and rosin	3	3	3	—	—	—	—
46.	38 plastics (including gramophone records)	5	5	8	5.23	5.23	5.23	0.55
47.	39 petroleum refining	3	3	3	—	—	—	—
48.	40 saw milling	17	17	25	0.01	0.01	0.01	0.00
49.	41 woodware (including furniture)	9	9	16	—	—	—	—
50.	42 tea manufacturing	62	62	121	3.06	5.52	4.29	0.45
51.	43 tobacco products	46	46	51	62.04	63.09	62.57	6.58
52.	44 groundnut decorticating etc.	25	25	36	0.12	2.11	1.11	0.12
53.	45 printing and bookbinding etc.	37	37	70	94.44	52.82	73.63	7.74
54.	46 webbing narrow fabrics	5	5	8	0.30	2.49	1.40	0.15
55.	47 hosiery and other knitted goods	7	7	12	5.88	6.60	16.24	1.71
56.	48 thread and thread ball making	2	2	3	—	—	—	—
57.	49 textiles dyeing and bleaching etc.	17	17	24	6.38	9.03	7.70	0.81
58.	50 clothing and tailoring	3	3	4	1.69	—	0.84	0.09
59.	51 cotton ginning and pressing	89	89	173	4.67	4.53	4.60	0.48
60.	52 rope making	5	5	6	—	0.01	0.00	0.00
61.	53 silk and artificial silk	23	23	35	40.81	82.33	61.57	6.48
62.	54 jute pressing	8	8	11	0.09	—	0.04	0.00
63.	55 electricity generation and transformation	20	20	30	13.27	12.74	13.01	1.37
64.	56 automobiles and coach building	63	63	92	20.59	12.57	16.58	1.47
65.	57 ship building and repairing	12	12	14	52.88	52.88	52.88	5.56
66.	60 aircraft assembling and repairing services	3	3	4	2.27	2.27	2.27	0.24
67.	62 textile machineries and accessories	11	11	14	0.62	1.64	1.13	0.12
68.	63 unspecified industries	139	139	212	143.20	143.56	143.38	15.08
69.	all industries	1859	1859	2665	946.27	955.24	950.74	100.00

*Manufacturing Industries : 1952*

TABLE 27 : ESTIMATES OF TOTAL INPUT IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of total input unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	38	2239.04	2013.36	2126.20	1.55
2.	2 rice milling	116	116	201	6679.08	7221.57	6950.33	5.08
3.	3 biscuit making	11	11	17	467.68	374.50	421.09	0.31
4.	4 fruits and vegetable processing	6	6	8	33.35	97.02	65.19	0.05
5.	5a sugar : vacuum pan factory	81	81	94	8264.78	7181.11	7722.95	5.64
6.	5b ,, : refineries	3	3	4	102.30	102.30	102.30	0.07
7.	5c ,, : gur factories	9	9	16	114.87	176.20	145.53	0.11
8.	6 distilleries and breweries	15	15	20	202.25	400.31	301.28	0.22
9.	7 starch	6	6	10	363.84	58.42	211.12	0.15
10.	8 vegetable oil (including hydro- genated oil)	158	158	251	12209.16	17487.53	14848.53	10.85
11.	9 paints and varnishes	11	11	16	479.61	1179.92	829.76	0.61
12.	10 soap	23	23	26	1666.32	1568.32	1617.32	1.18
13.	11 tanning	24	24	32	627.43	659.18	643.30	0.47
14.	12 cement	19	19	19	1307.60	1307.60	1307.60	0.95
15.	13 glass and glassware	28	28	41	367.89	441.98	404.93	0.30
16.	14 ceramics	14	14	17	219.12	229.09	224.10	0.16
17.	15 plywood and tea chests	13	13	17	334.03	213.90	273.97	0.20
18.	16 paper and paper board	40	40	41	1301.41	1283.84	1292.67	0.94
19.	17 matches	24	24	28	417.45	437.71	427.58	0.31
20.	18 cotton textiles : unclassified	7	7	9	504.17	491.48	497.83	0.36
21.	18a ,, : spinning mills	28	28	34	3757.94	4172.65	3965.29	2.90
22.	18b ,, : composite mills	163	163	184	28811.70	26906.48	27859.10	20.34
23.	18c ,, : powerloom mills	12	12	20	1663.96	1182.29	1423.14	1.04
24.	18d ,, : handloom mills	17	17	20	662.63	1131.93	897.29	0.65
25.	19 woollen textiles	17	17	20	662.63	1131.93	897.29	0.65
26.	20 jute textiles	56	55	67	11924.75	12320.39	12122.57	8.85
27.*	21 chemicals (including drugs)	42	42	56	3727.82	3045.78	3386.80	2.47
28.	22a aluminium, copper and brass : primary products	4	4	4	319.46	319.46	319.46	0.23
29.	22b ,, ,, : secondary products	39	39	53	3239.36	1084.50	2161.92	1.58
30.	23a iron and steel : primary products	7	7	7	3036.38	3036.38	3036.38	2.22
31.	23b ,, : secondary products	57	57	87	2631-67	2887.90	2759.78	2.02
32.	24 bicycles	9	9	11	141.12	138.81	139.97	0.10
33.	25 sewing machines	6	6	6	29.92	92.92	29.92	0.02
34.	27 electric lamps	7	7	7	67.17	67.17	67.17	0.05

*National Sample Survey*

TABLE 27 (Contd.) : ESTIMATES OF TOTAL INPUT IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of total input unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
35. 28	electric fans	8	8	9	122.75	132.99	127.86	0.09
36. 29	general engineering and electrical engineering : unspecified	11	11	17	459.80	886.35	673.07	0.49
37. 29a	„ „ : repairing works	19	19	32	564.24	555.88	560.06	0.41
38. 29b	„ „ : manufacturing	46	46	68	1093.42	1454.16	1273.80	0.93
39. 30	footwear and leather manufacturing	12	12	13	549.83	450.88	455.37	0.33
40. 31	rubber and rubber manufacturing	36	36	46	1727.68	1675.46	1701.57	1.24
41. 32	enamelware	3	3	5	37.90	44.61	41.26	0.03
42. 33	hume pipes and other cement and cement concrete products	8	8	11	69.89	86.31	78.10	0.06
43. 34	asbestos and asbestos cement products	5	5	5	170.47	170.47	170.47	0.12
44. 35	bricks, tiles, lime and surki manu- facturing	10	10	17	226.64	211.08	218.86	0.16
45. 36	lac	5	5	6	139.18	132.36	135.77	0.10
46. 37	turpentine and rosin	3	3	3	55.66	55.66	55.66	0.04
47. 38	plastics (including gramophone records)	5	5	8	116.68	213.29	164.98	0.12
48. 39	petroleum refining	3	3	3	271.88	271.88	271.88	0.20
49. 40	saw milling	17	17	25	148.82	241.59	195.20	0.14
50. 41	woodware (including furniture)	9	9	16	141.40	61.03	101.21	0.07
51. 42	tea manufacturing	62	62	121	8399.10	71.6387	7781.43	5.68
52. 43	tobacco products	46	46	51	3535.94	3259.40	3397.67	2.48
53. 44	groundnut decorticating etc.	25	25	36	1396.47	1544.47	1470.46	1.07
54. 45	printing and bookbinding etc.	37	37	70	1932.75	1516.47	1724.61	1.26
55. 46	webbing narrow fabrics	5	5	8	128.78	96.70	112.75	0.08
56. 47	hosiery and other knitted goods	7	7	12	252.53	695.77	474.15	0.35
57. 48	thread and thread ball making	2	2	3	42.09	42.09	42.09	0.03
58. 49	textiles dyeing, bleaching etc.	17	17	24	462.01	617.85	539.94	0.39
59. 50	clothing and tailoring	3	3	4	130.16	101.09	115.62	0.08
60. 51	cotton ginning and pressing	89	89	173	4954.48	3558.43	4256.45	3.11
61. 52	rope making	5	5	6	106.76	102.62	104.69	0.08
62. 53	silk and artificial silk	23	23	35	1657.43	1493.81	1575.62	1.15
63. 54	jute pressing	8	8	11	26.79	25.81	26.29	0.02
64. 55	electricity generation and trans- formation	20	20	30	2414.69	1719.56	2967.13	1.51
65. 56	automobiles and coach building	63	63	92	2142.19	1996.99	2069.59	1.51
66. 57	ship building and repairing	12	12	14	326.39	340.28	333.33	0.24
67. 60	aircraft assembling and repairing services	3	3	4	251.94	251.94	251.94	0.18
68. 62	textile machineries and accessories	11	11	14	106.68	207.30	156.99	0.11
69. 63	unspecified industries	139	139	212	5714.28	5541.72	5628.00	4.11
70.	all industries	1859	1859	2665	137703.06	136169.46	136936.24	100.00



*Manufacturing Industries : 1952*

TABLE 28 : ESTIMATES OF OUTPUT [(A) PRODUCTS AND BY-PRODUCTS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of output (A) products and by-products-produced unit : lakhs of rupees			percent- age to all indus- tries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. 1	wheat flour	27	27	38	2408.81	2102.05	2255.43	1.20
2. 2	rice milling	116	116	201	7097.32	7621.34	7359.33	3.91
3. 3	biscuit making	11	11	17	675.22	526.39	600.80	0.32
4. 4	fruits and vegetable processing	6	6	8	41.58	153.31	97.44	0.05
5. 5a	sugar : vacuum pan factory	81	81	94	10922.02	9724.27	10323.15	5.49
6. 5b	„ : refineries	3	3	4	121.59	121.59	121.59	0.06
7. 5c	„ : gur factories	9	9	16	125.45	222.01	173.73	0.09
8. 6	distilleries and breweries	15	15	20	394.35	862.00	628.18	0.33
9. 7	starch	6	6	10	514.88	71.49	294.19	0.16
10. 8	vegetable oil (including hydro- genated oil)	158	158	251	12914.16	19265.91	16090.04	8.56
11. 9	paints and varnishes	11	11	16	722.44	1708.90	1215.67	0.65
12. 10	soap	23	23	26	2532.87	2389.46	2461.16	1.31
13. 11	tanning	24	24	32	793.35	794.97	794.16	0.42
14. 12	cement	19	19	19	2298.93	2298.93	2298.93	1.22
15. 13	glass and glassware	28	28	41	569.26	716.13	642.69	0.34
16. 14	ceramics	14	14	17	512.26	540.10	526.18	0.28
17. 15	plywood and tea chests	13	13	17	473.18	324.48	398.83	0.21
18. 16	paper and paper board	40	40	41	2165.38	2134.60	2149.99	1.14
19. 17	matches	24	24	28	782.02	792.47	787.24	0.42
20. 18	cotton textiles : unclassified	7	7	9	709.00	729.41	719.20	0.38
21. 18a	„ : spinning mills	28	28	34	5084.19	5357.35	5220.77	2.77
22. 18b	„ : composite mills	163	163	184	40318.22	37542.30	38930.26	20.69
23. 18c	„ : powerloom mills	12	12	20	2079.37	1588.52	1833.94	0.97
24. 19	woollen textiles	17	17	20	978.26	1935.56	1456.91	0.77
25. 20	jute textiles	56	56	67	16994.91	17332.01	17163.46	9.12
26. 21	chemicals (including drugs)	42	42	56	6001.08	5278.84	5639.96	3.00
27. 22a	aluminium, copper and brass							
	„ : primary products	4	4	4	380.80	80.80	380.80	0.20
28. 22b	„ : secondary products	39	39	53	3520.24	1379.66	2449.95	1.30
29. 23a	iron and steel : primary products	7	7	7	6017.37	6017.37	6017.37	3.20
30. 23b	„ : secondary products	57	57	87	4198.49	4353.67	4276.08	2.27
31. 24	bicycles	9	9	11	253.24	250.13	251.68	0.13
32. 25	sewing machines	6	6	6	117.30	117.30	117.30	0.06
33. 27	electric lamps	7	7	7	144.60	144.60	144.60	0.08

*National Sample Survey*

TABLE 28 (Contd.) : ESTIMATES OF OUTPUT [(A) PRODUCTS AND BY-PRODUCTS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of output (A) products and by-product-produced unit : lakhs of rupees			percentage to all industries total]
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
34. 28	electric fans	8	8	9	245.41	214.99	230.20	0.12
35. 29	general engineering and electrical engineering	11	11	17	840.53	1321.94	1081.24	0.57
36. 29a	„ „ : unspecified	19	19	32	637.25	641.29	639.27	0.34
37. 29b	„ „ : repairing works	46	45	68	1777.29	2336.77	2057.03	1.09
38. 30	footwear and leather manufacturing	12	12	13	842.06	842.06	842.06	0.45
39. 31	rubber and rubber manufacturing	36	36	46	2644.00	2720.28	2782.14	1.43
40. 32	enamelware	3	3	5	94.83	79.43	87.13	0.05
41. 33	hume pipes and other cement and cement concrete products	8	8	11	106.91	212.43	159.67	0.08
42. 34	asbestos and asbestos cement products	5	5	5	209.06	209.06	209.06	0.11
43. 35	bricks, tiles, lime and surki manufacturing	10	10	17	500.68	461.39	481.03	0.26
44. 36	lac	5	5	6	183.26	178.37	180.81	0.10
45. 37	turpentine and rosin	3	3	3	74.32	74.32	74.32	0.04
46. 38	plastics (including gramophone records)	4	5	8	183.03	320.34	251.69	0.13
47. 39	petroleum refining	3	3	3	723.66	723.66	723.66	0.38
48. 40	saw milling	17	17	25	195.87	338.09	266.98	0.14
49. 41	woodware (including furniture)	9	9	16	209.00	114.34	161.17	0.09
50. 42	tea manufacturing	62	62	21	11555.79	10759.02	11157.41	5.93
51. 43	tobacco products	46	46	51	4276.45	4022.81	4149.63	2.20
52. 44	groundnut decorticating etc.	25	25	36	1517.11	1673.62	1595.36	0.85
53. 45	printing and bookbinding etc.	37	37	70	2982.53	1870.73	2426.63	1.20
54. 46	webbing narrow fabrics	5	5	8	172.93	142.30	157.62	0.08
55. 47	hosiery and other knitted goods	7	7	12	399.27	1010.92	705.10	0.37
56. 48	thread and thread ball making	2	2	3	43.80	43.80	43.80	0.02
57. 49	textiles dyeing, bleaching etc.	17	17	24	272.18	463.79	367.99	0.20
58. 50	clothing and tailoring	3	3	4	149.95	103.76	126.85	0.07
59. 51	cotton ginning and pressing	89	89	173	5276.91	3504.50	4390.70	2.34
60. 52	rope making	5	5	6	134.64	131.31	132.97	0.07
61. 53	silk and artificial silk	23	23	25	2223.96	2060.26	2141.11	1.14
62. 54	jute pressing	8	8	11	25.65	25.65	25.65	0.01
63. 55	electricity generation and transformation	20	20	30	5670.49	3659.30	4664.90	2.48
64. 56	automobiles and coach building	63	63	92	2135.24	2130.80	2133.02	1.13
65. 57	ship building and repairing	12	12	14	368.15	428.76	398.46	0.21
66. 60	aircraft assembling and repairing services	3	3	4	252.93	252.93	252.93	0.13
67. 62	textiles machineries and accessories	11	11	14	204.17	374.71	289.44	0.15
68. 63	unspecified industries	139	139	212	8950.98	9265.84	9108.41	4.85
69.	all industries	1859	1859	2665	188942.43	187490.49	188216.45	100.00

*Manufacturing Industries : 1952*

TABLE 29 : ESTIMATES OF OUTPUT [(B) WORK DONE FOR OTHER CUSTOMERS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value output (B) work done by the factory for customers unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. 1	wheat flour	27	27	38	48.34	29.28	38.81	0.54
2. 2	rice milling	116	116	201	203.90	114.28	159.09	2.23
3. 3	biscuit making	11	11	17	21.52	21.52	21.52	0.30
4. 4	fruits and vegetable processing	6	6	8	12.64	0.56	6.60	0.09
5. 5a	sugar : vacuum pan factory	81	81	94	1.20	1.29	1.25	0.02
6. 5b	„ : reference	3	3	4	—	—	—	—
7. 5c	„ : gur factories	9	9	16	6.93	8.37	7.65	0.11
8. 6	distilleries and breweries	15	15	20	0.05	0.05	0.05	0.00
9. 7	starch	6	6	10	0.02	1.56	0.79	0.01
10. 8	vegetable oil (including hydro- genated oil)	158	158	251	174.43	78.80	126.62	1.77
11. 9	paints and varnishes	11	11	16	—	—	—	—
12. 10	soap	23	23	26	0.54	0.54	0.54	0.01
13. 11	tanning	24	24	32	0.71	8.03	4.37	0.06
14. 12	cement	19	19	19	—	—	—	—
15. 13	glass and glassware	28	28	41	12.42	2.31	7.36	0.10
16. 14	ceramics	14	14	17	58.44	—	29.22	0.41
17. 15	plywood and tea chests	13	13	17	—	—	—	—
18. 16	paper and paper board	40	40	41	3.61	3.61	3.61	0.05
19. 17	matches	24	24	28	1.05	1.05	1.05	0.01
20. 18	cotton textiles : unclassified	7	7	9	2.04	2.04	2.04	0.03
21. 18a	„ : spinning mills	28	28	34	—	—	—	—
22. 18b	„ : composite mills	163	163	284	623.92	500.45	562.18	7.87
23. 18c	„ : powerloom mills	12	12	20	3.98	1.63	2.80	0.04
24. 19	woollen textiles	17	17	20	16.49	2.66	9.57	0.13
25. 20	jute textiles	56	56	67	2.29	2.06	2.17	0.03
26. 21	chemicals (including drugs)	42	42	36	0.03	62.28	31.16	0.44
27. 22a	aluminium, copper and brass : primary products	4	4	4	—	—	—	—
28. 22b	„ „ : secondary products	39	39	53	699.99	30.93	50.46	0.71
29. 23a	iron and steel : primary products	7	7	7	0.25	0.25	0.25	0.00
30. 23b	„ : secondary products	57	57	87	95.44	88.72	92.08	1.29
31. 24	bicycles	9	9	11	0.68	0.53	0.61	0.01
32. 25	sewing machines	6	6	6	—	—	—	—
33. 27	electric lamps	7	7	7	—	—	—	—

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TABLE 29 (Contd.): ESTIMATES OF OUTPUT [(B) WORK DONE FOR OTHER CUSTOMERS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of output (B) work done by the factory for customers unit : lakhs of rupees			percent- age to all indus- tries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
34. 28	electric fans	8	8	9	1.06	35.71	18.38	0.26
35. 29	general engineering and electrical engineering : unspecified	11	11	17	5.57	13.66	9.61	0.13
36. 29a	„ „ : repairing works	19	19	32	570.18	319.72	445.25	6.23
37. 29b	„ „ : manufacturing	46	46	68	169.35	229.64	199.49	2.79
38. 30	footwear and leather manufacturing	12	12	12	12.63	—	6.32	0.09
39. 31	rubber and rubber manufacturing	36	36	46	4.66	1.34	3.00	0.04
40. 32	enamelware	3	3	5	—	22.03	11.02	0.15
41. 33	hume pipes and other cement and cement concrete products	8	8	11	22.60	3.64	13.92	0.18
42. 34	asbestos and asbestos cement products	5	5	5	—	—	—	—
43. 35	bricks, tiles, lime and surki manu- facturing	10	10	17	—	0.89	0.45	0.01
44. 36	lac	5	5	6	—	—	—	—
45. 37	turpentine and rosin	3	3	3	—	—	—	—
46. 38	plastics (including gramophone records)	5	5	8	—	—	—	—
47. 39	petroleum refining	3	3	3	—	—	—	—
48. 40	saw milling	17	17	17	80.40	27.71	54.06	0.76
49. 41	woodware (including furniture)	9	9	16	0.03	11.62	5.82	0.08
50. 42	tea manufacturing	62	62	121	22.45	37.12	29.78	0.42
51. 43	tobacco products	46	46	51	35.69	35.56	35.63	0.50
52. 44	groundnut decorticating etc.	25	25	36	138.27	32.52	85.39	1.20
53. 45	printing and bookbinding etc.	37	37	70	728.93	11.2278	925.85	12.97
54. 46	webbing narrow fabrics	5	5	8	0.12	0.12	0.12	0.00
55. 47	hosiery and other knitted goods	7	7	12	—	10.98	5.49	0.08
56. 48	thread and thread ball making	2	2	3	—	—	—	—
57. 49	textiles dyeing, bleaching etc.	17	17	24	440.80	476.22	458.51	6.42
58. 50	clothing and tailoring	3	3	4	—	—	—	—
59. 51	cotton ginning and pressing	89	89	173	1047.85	1016.02	1031.94	14.44
60. 52	rope making	5	5	6	—	0.57	0.28	0.00
61. 53	silk and artificial silk	23	23	35	32.81	36.30	34.55	0.48
62. 54	jute pressing	8	8	11	93.62	68.94	81.28	1.14
63. 55	electricity generation and trans- formation	20	20	30	49.44	49.44	49.44	0.69
64. 56	automobiles and coach building	63	63	92	1151.58	961.66	1056.62	14.79
65. 57	ship building and repairing	12	12	14	868.88	833.12	851.00	11.92
66. 60	aircraft assembling and repairing services	3	3	4	136.81	136.81	136.81	1.91
67. 62	textile machineries and accessories	11	11	14	68.19	0.59	34.39	0.48
68. 63	unspecified industries	139	139	212	439.87	357.50	398.69	5.58
69.	all industries	1859	1859	2665	7483.30	6805.01	7144.14	100.00

*Manufacturing Industries : 1952*

TABLE 30 : ESTIMATES OF TOTAL OUTPUT IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

number	CMI classification description	sample size (number of factories)			item : value of total output unit : lakhs of rupees			percentage to all industries total
		sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	38	2457.15	2131.33	2294.24	1.17
2.	2 rice milling	116	116	201	7301.22	7735.61	7518.42	3.85
3.	3 biscuit making	11	11	17	696.73	547.91	622.32	0.32
4.	4 fruits and vegetable processing	6	6	8	54.22	153.87	104.04	0.05
5.	5a sugar : vacuum pan factory	81	81	94	10923.22	9725.56	10242.40	5.28
6.	5b „ : refineries	3	3	4	121.59	121.59	121.59	0.06
7.	5c „ : gur factories	9	9	16	132.38	230.38	181.38	0.09
8.	6 distilleries and breweries	15	15	20	394.39	862.05	628.22	0.32
9.	7 starch	6	6	10	514.91	73.05	293.98	0.15
10.	8 vegetable oil (including hydro- genated oil)	158	157	251	13088.58	19344.70	15215.66	8.31
11.	9 paints and varnishes	11	11	16	722.44	1708.90	1215.67	0.62
12.	10 soap	23	23	26	2533.41	2390.00	2461.70	1.26
13.	11 tanning	24	24	32	794.06	803.00	798.53	0.41
14.	12 cement	19	19	19	2298.93	2298.93	2298.93	1.18
15.	13 glass and glassware	28	28	41	581.68	718.44	650.05	0.33
16.	14 ceramics	14	14	17	570.70	540.11	555.40	0.28
17.	15 plywood and tea chests	13	13	17	473.18	324.48	398.83	0.20
18.	16 paper and paper board	40	40	41	2168.99	2138.21	2153.60	1.10
19.	17 matches	24	24	28	783.07	793.53	788.30	0.40
20.	18 cotton textiles : unclassified	7	7	9	711.03	731.45	721.24	0.37
21.	18a „ : spinning mills	28	28	34	5084.20	5357.35	5220.74	2.67
22.	18b „ : composite mills	163	163	184	40942.14	38042.75	39492.44	20.15
23.	18c „ : powerloom mills	12	12	20	2083.34	1590.14	1836.74	0.94
24.	19 woollen textiles	17	17	20	994.75	1938.22	1466.48	0.75
25.	20 jute textiles	56	56	67	16997.20	17334.07	16165.53	8.81
26.	21 chemicals (including drugs)	42	42	56	6001.12	5441.12	5671.12	2.90
27.	22a aluminium, copper and brass : primary products	4	4	4	380.80	380.80	380.80	0.19
28.	22b „ „ : secondary products	39	39	53	3590.23	1410.59	2500.41	1.28
29.	23a iron and steel : primary products	7	7	7	6017.63	6017.63	6017.63	3.09
30.	23b „ : secondary products	57	57	87	1293.93	4442.38	4368.16	2.24
31.	24 bicycles	9	9	11	253.92	250.66	252.99	0.13
32.	25 sewing machines	6	6	6	117.30	117.30	117.30	0.06
33.	27 electric lamps	7	7	7	144.60	144.60	144.60	0.07

*National Sample Survey*

TABLE 30 (Contd.) : ESTIMATES OF TOTAL OUTPUT IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value of total output unit : lakhs of rupees			percent- age to all indus- tries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
34. 28	electric fans	8	8	9	246.47	250.69	248.57	0.13
35. 29	general engineering and electrical engineering	11	11	17	846.10	1335.60	1090.85	0.56
36. 29a	: unspecified	19	19	32	1208.03	961.01	1084.52	0.56
37. 29	: repairing works	46	46	68	1946.64	2566.41	2256.53	1.31
38. 30	footwear and leather manufacturing	12	12	13	854.69	842.06	848.38	0.43
39. 31	rubber and rubber manufacturing	36	36	46	2648.66	2721.62	2685.14	1.37
40. 32	enamelware	3	3	5	94.83	101.46	98.15	0.05
41. 33	hume pipes and other cement and cement concrete products	8	8	11	129.51	216.07	172.79	0.09
42. 34	asbestos and asbestos cement products	5	5	5	209.06	209.06	209.06	0.11
43. 35	bricks, tiles, lime and surki manu- facturing	10	10	17	500.68	462.28	481.48	0.25
44. 36	lac	5	5	6	183.26	178.37	180.82	0.09
45. 37	turpentine and rosin	3	3	3	74.32	74.32	74.32	0.04
46. 38	plastics (including gramophone records)	5	5	8	183.03	320.34	251.69	0.13
47. 39	petroleum refining	3	3	3	723.65	723.65	723.65	0.37
48. 40	saw milling	17	17	25	276.28	365.80	321.04	0.16
49. 41	woodware (including furniture)	9	9	16	209.03	124.96	166.99	0.09
50. 42	tea manufacturing	62	62	121	11578.25	10796.14	11187.19	5.74
51. 43	tobacco products	46	46	51	4312.15	4058.37	4185.26	2.13
52. 44	groundnut decorticating etc.	25	25	36	1655.38	1706.13	1680.75	0.86
53. 45	printing and bookbinding etc.	37	37	70	3711.45	2993.51	3352.48	1.72
54. 46	webbing narrow fabrics	5	5	8	173.05	142.41	157.74	0.08
55. 47	hosiery and other knitted goods	7	7	12	399.27	1021.91	710.59	0.36
56. 48	thread and thread ball making	2	2	3	43.80	43.80	43.80	0.02
57. 49	textiles dyeing, bleaching etc.	17	17	24	712.98	940.01	826.49	0.42
58. 50	clothing and tailoring	3	3	4	149.95	103.76	126.85	0.06
59. 51	cotton ginning and pressing	89	89	173	6234.76	4520.52	5422.64	2.78
60. 52	rope making	5	5	6	134.64	131.88	133.25	0.07
61. 53	silk and artificial silk	23	23	35	2256.77	2096.56	2176.66	1.11
62. 54	jute pressing	8	8	11	119.27	94.59	106.93	0.05
63. 55	electricity generation and trans- formation	20	20	30	5719.93	3708.74	4714.33	2.41
64. 56	automobiles and coach building	63	63	92	3286.82	3092.46	3189.64	1.62
65. 57	ship building and repairing	12	12	14	1237.03	1261.89	1249.46	0.64
66. 60	aircraft assembling and repairing services	3	3	4	389.74	389.74	389.74	0.20
67. 62	textile machineries and accessories	11	11	14	272.36	375.31	323.83	0.17
68. 63	unspecified industries	139	139	21	9390.84	9623.35	9507.11	4.34
69.	all industries	1859	1859	2665	196425.81	194295.49	195360.59	100.00

*Manufacturing Industries : 1952*

TABLE 31 : ESTIMATES OF VALUE ADDED IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

CMI classification		sample size (number of factories)			item : value added unit : lakhs of rupees			percentage to all industries total
number	description	sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	1 wheat flour	27	27	38	218.11	117.97	168.04	0.29
2.	2 rice milling	116	116	201	622.14	514.04	568.09	0.97
3.	3 biscuit making	11	11	17	229.05	173.41	201.23	0.34
4.	4 fruits and vegetable processing	6	6	8	20.87	56.85	38.85	0.07
5.	5a sugar vacuum pan factory	81	81	94	2658.45	2544.45	2601.45	4.45
6.	5b „ : refineries	3	3	4	19.29	19.29	19.29	0.03
7.	5c „ : gur factories	9	9	16	17.51	54.18	35.85	0.06
8.	6 distilleries and breweries	15	15	20	192.14	461.74	326.94	0.56
9.	7 starch	6	6	10	151.07	14.63	82.86	0.14
10.	8 vegetable oil (including hydro- genated oil)	158	158	251	879.43	1856.79	1368.13	2.35
11.	9 paints and varnishes	11	11	16	242.83	528.98	385.91	0.66
12.	10 soap	23	23	26	867.09	821.68	844.38	1.45
13.	11 tanning	24	24	32	166.63	143.82	155.23	0.27
14.	12 cement	19	19	19	991.33	991.33	991.33	1.70
15.	13 glass and glassware	28	28	41	213.79	276.46	245.12	0.42
16.	14 ceramics	14	14	17	351.58	311.02	331.30	0.57
17.	15 plywood and tea chests	13	13	17	139.15	110.58	124.86	0.21
18.	16 paper and paper board	40	40	41	867.48	854.37	860.93	1.47
19.	17 matches	24	24	28	365.62	355.82	360.72	0.62
20.	18 cotton textiles : unclassified	7	7	9	206.86	239.97	223.41	0.38
21.	18a „ : spinning mills	28	28	34	1326.26	1184.70	1255.48	2.15
22.	18b „ : composite mills	163	163	184	12130.44	11136.27	11633.34	19.90
23.	18c „ : powerloom mills	12	12	20	419.80	407.85	413.60	0.71
24.	19 woollen textiles	17	17	20	332.12	806.29	569.19	0.97
25.	20 jute textiles	56	56	67	5072.45	5013.68	5043.06	8.68
26.	21 chemicals (including drugs)	42	42	56	2273.30	2295.34	2284.32	3.91
27.	22a aluminium, copper and brass : primary products	4	4	4	61.34	61.34	61.34	0.10
28.	22b „ „ : secondary products	39	39	53	350.87	326.09	338.49	0.58
29.	23a iron and steel : primary products	7	7	7	2981.25	2981.25	2981.25	5.10
30.	23b „ : secondary products	57	57	87	1662.26	1554.48	1608.38	2.75
31.	24 bicycles	9	9	11	112.80	111.85	112.32	0.19
32.	25 sewing machines	6	6	6	87.38	87.38	87.38	0.15
33.	27 electric lamps	7	7	7	77.43	77.43	77.43	0.13
34.	28 electric fans	8	8	9	123.72	117.70	120.71	0.21

*National Sample Survey*

TABLE 31 (Contd.): ESTIMATES OF VALUE ADDED IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1952

number	CMI classification description	sample size (number of factories)			item : value added unit : lakhs of rupees			percent- age to all indus- tries total
		sub- sample 1	sub- sample 2	com- bined	sub- sample 1	sub- sample 2	com- bined	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
35. 29	general engineering and electrical engineering : unspecified	11	11	17	386.30	449.25	417.78	0.72
36. 29a	„ „ : repairing works	19	19	32	643.79	405.13	524.46	0.90
37. 29b	„ „ : manufacturing	46	46	68	853.22	1112.25	982.73	1.68
38. 30	footwear and leather manufacturing	12	12	13	394.86	391.18	393.01	0.67
39. 31	rubber and rubber manufacturing	36	36	46	920.98	1046.16	983.57	1.68
40. 32	enamelware	3	3	5	56.93	56.85	56.89	0.10
41. 33	hume pipes and other cement and cement concrete products	8	8	11	59.62	129.76	94.69	0.16
42. 34	asbestos and asbestos cement products	5	5	5	38.59	38.59	38.59	0.07
43. 35	bricks, tiles, lime and surki manufacturing	10	10	17	274.04	251.20	262.62	0.45
44. 36	lac	5	5	6	44.08	46.01	45.05	0.08
45. 37	turpentine and rosin	3	3	3	18.66	18.66	18.66	0.03
46. 38	plastics (including gramophone records)	5	5	8	66.35	107.05	86.71	0.15
47. 39	petroleum refining	3	3	3	451.77	451.77	451.77	0.77
48. 40	saw milling	17	17	25	127.46	124.21	125.84	0.21
49. 41	woodware (including furniture)	9	9	16	67.63	63.93	65.78	0.11
50. 42	tea manufacturing	62	62	121	3179.15	3632.36	3405.76	5.83
51. 43	tobacco products	46	46	51	776.21	798.97	787.59	1.35
52. 44	groundnut decorticating etc.	25	25	36	258.91	161.66	210.29	0.36
53. 45	printing and bookbinding etc.	37	37	70	1178.70	1477.04	1627.87	2.79
54. 46	webbing narrow fabrics	5	5	8	44.27	45.71	44.99	0.08
55. 47	hosiery and other knitted goods	7	7	7	146.74	326.14	236.44	0.40
56. 48	thread and thread ball making	2	2	3	1.71	1.71	1.71	0.00
57. 49	textiles dyeing, bleaching etc.	17	17	24	250.97	322.16	286.55	0.49
58. 50	clothing and tailoring	3	3	4	19.79	2.67	11.23	0.02
59. 51	cotton ginning and pressing	89	89	173	1370.28	962.09	1166.19	2.00
60. 52	rope making	5	5	6	27.88	29.26	28.56	0.05
61. 53	silk and artificial silk	23	23	35	599.34	602.75	601.04	1.03
62. 54	jute pressing	8	8	11	92.48	68.78	80.64	0.14
63. 55	electricity generation and trans-formation	20	20	30	3305.24	1989.18	2647.20	4.53
64. 56	automobiles and coach building	63	63	92	1144.63	1095.47	1120.05	1.92
65. 57	ship building and repairing	12	12	14	910.64	921.61	916.13	1.57
66. 60	aircraft assembling and repairing services	3	3	4	137.80	137.80	137.80	0.24
67. 62	textile machineries and accessories	11	11	14	165.68	168.01	166.84	0.29
68. 63	unspecified industries	139	139	212	3676.56	4081.63	3879.11	6.64
69.	all industries	1859	1859	2665	58722.68	58126.03	58424.35	100.00



APPENDIX II

FACSIMILE OF THE SCHEDULES OF INVESTIGATION

NATIONAL SAMPLE SURVEY, 1953

ESTABLISHMENT SCHEDULE : MANUFACTURING INDUSTRIES, 1953.

[1] identification code		[2] geographical location		[3] operation details				
1. industry		1. district		1. whether perennial or seasonal 1/2				
2. stratum		2. tehsil/thana		2. if seasonal, normal season.....				
3. sample unit no.		3. town		.....				
4. scheme		4. post-office		3. months of operation in 1952.....				
5. zone		5. name of factory.....		4. year of start of manufacture				
6. state		6. type of ownership.....		5. date of closing yearly accounts.....				
[4] capital structure								
	item	amount in (Rs.) as on		value of additions and improvements less obsolescence and sales during the year (Rs)	rent paid (Rs.) on fixed assets during year ended on		age in years	expectation of life (years.)
		31-12-51/.....	31-12-52/.....		31-12-52	31-3-53		
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	<i>fixed capital</i>							
1.	land						×	×
2.	building							
3.	sub-total (1+2)						×	×
4.	plant, machinery etc.							
5.	other fixed assets							
6.	total: fixed capital (3+4+5)						×	×
	<i>working capital</i>				[5] duration of work			
7.	raw materials, fuel, etc.			×	sr. no.	item	1952	1952-53
8.	product, finished and semi-finished			×	(0)	(1)	(2)	(3)
9.	cash in hand and at bank			×	1.	no. of working days		
10.	total working capital (7+8+9)			×	2.	shifts per day		
11.	total (6+10)			×	3.	length of shift (hr.)		
[6] labour employed and their emoluments								
sr. no.	item	total man-hours		average number employed per working day		salaries, wages and other emoluments (Rs)		
		1952	1952-53	1952	1952-53	1952	1952-53	
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1.	workers directly employed	men						
2.		women						
3.		children (above 14, below 18)						
4.		sub-total (1+2+3)						
5.	workers employed through contractor	×	×					
6.	total : (4+5)	×	×					
7.	other than workers	×	×					
8.	individual benefits (in kind)	×	×	×	×			
9.	contributions to funds (p.f., etc.)	×	×	×	×			
10.	group benefits	×	×	×	×			
11.	total (6+7+8+9+10)	×	×	×	×			
[7] employment : change in volume								
sr. no.	item	number as on						
		1-1-52	31-2-52	31-12-52	31-3-53			
(0)	(1)	(2)	(3)	(4)	(5)			
1.	workers employed directly							
2.	workers employed through contractor							
3.	sub-total (1+2)							
4.	supervisory employees							
5.	other employees							
6.	total (3+4+5)							

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( 2 )

[8] fuel, lubricant and electricity consumed during						
sr. no.	item	unit	1952		1952-53	
			quantity	value (Rs.)	quantity	value (Rs.)
(0)	(1)	(2)	(3)	(4)	(5)	(6)
1.	coke and coal	ton				
2.	petroleum	gallon				
3.	other fuel oils & lubricating oils	gallon				
4.	other fuels	x	x		x	
5.	electricity	k.w.h.				
6.	water	1000 gallon				
7.	total	x	x		x	

  

[9] raw materials, chemicals, packing materials etc. consumed during						[11] total input				
sr. no.	item	unit	1952		1952-53		work done for the factory by other concerns (Rs.)			
			quantity	value (Rs.)	quantity	value (Rs.)				
(0)	(1)	(2)	(3)	(4)	(5)	(6)				
1.	<i>basic materials</i>						1. 1952. ....			
2.							2. 1952-53			
3.							total input (Rs.)			
4.	others						3. 1952. ....			
5.	sub-total	x	x		x		4. 1952-53. ....			
6.	<i>chemicals</i>						[12] total output			
7.							work done by the factory for other concerns (Rs.)			
8.							1. 1952. ....			
9.	others						2. 1952-53			
10.	sub-total	x	x		x		total output (Rs.)			
11.	<i>packing materials</i>						3. 1952. ....			
12.							4. 1952-53. ....			
13.	sub-total	x	x		x		[13] housing provision for the employees			
14.	others including consumable stores	x	x		x		sr. no.	type of employee	number provided with accommodation by the factory as on 31-3-53	
15.	transport charges etc. not included in purchase value.	x	x		x	own				
16.	total (5+10+13+14+15)	x	x		x		(0)	(1)	(2)	(3)

  

[10] products, by-products and subsidiary products during																				
sr. no.	item	unit	1952		1952-53		1.	2.	3.											
			quantity	value (Rs.)	quantity	value (Rs.)														
(0)	(1)	(2)	(3)	(4)	(5)	(6)														
1.	<i>products</i>						workers													
2.						other than workers.														
3.												total								
4.															Signature of investigator.....	.....				
5.																	date.....	.....		
6.																			signature of superintendent.....	.....
7.																				
8.	sub-total	x	x		x															
9.	<i>by-products</i>																			
10.																				
11.	sub-total	x	x		x															
12.	<i>subsidiary products</i>																			
13.																				
14.	sub-total	x	x		x															
15.	total (8+11+14)	x	x		x															