

THE NATIONAL SAMPLE SURVEY

NUMBER 23

REPORT ON
THE SAMPLE SURVEY OF MANUFACTURING
INDUSTRIES : 1953



सत्यमेव जयते

Issued by

The Cabinet Secretariat : Government of India

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THE SAMPLE SURVEY OF MANUFACTURING INDUSTRIES : 1953

*This Report on the Sample Survey of Manufacturing Industries : 1953 was prepared by the Indian Statistical Institute, Calcutta and is being published in the form in which it was submitted to the Government of India. The views contained in the report are not necessarily those of the Government of India.**

CHAPTER ONE

INTRODUCTION

1.1. The Sample Survey of Manufacturing Industries (SSMI) is being conducted annually since 1951. The first round which was started in 1952 covered the calendar year 1951; the second round conducted in 1953 had 1952 as its reference year and the data collected in 1954 in the third round related to the calendar year 1953. This report presents the data collected during the third round of the SSMI.

1.2. *Coverage* : The establishments covered in this survey were of the same type (regarding size and use of power) as those covered in the previous round. Establishments controlled by the Ministries of Defence and Railways were not surveyed as in the past. The geographical coverage of the survey was, however, enlarged to include, for the first time, the state of Jammu and Kashmir.

1.3. *Sampling design* : The classified lists of factories registered under sections 2m(i) and 2m(ii) of the Indian Factories Act, 1948, maintained by the Chief Inspectors of Factories of the different states in India, supplied the basis for the sampling frame adopted in this survey. Although up-to-date lists could not be obtained in time for the 1953 survey, it was not considered desirable to delay the field operations since such delay would have entailed loss of money and time. It was therefore decided to proceed with the frame for the previous round to be supplemented later on by a fresh frame covering the additions during the reference year. The sampling design adopted for this survey was the same as the one used in the survey for the second round.

1.4. It was decided that roughly 3400 factories should be selected for the purpose of this survey. This total was split into two categories proportional to the

* This report (Number **D. 29**) was submitted to the Government of India in July 1958.

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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 were automatically 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.

1.5. 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 was 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 was 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.

1.6. The samples selected covered about 12 per cent and 7 per cent respectively of factories registered under sections 2m(i) and 2m(ii) of the Factories Act (namely, factories 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), and accounted for 62 per cent and 23 per cent respectively of the total employment in all the factories registered under these two sections. It may be mentioned in this connection that about 38 per cent of the samples allotted to the first category of factories and 12 per cent of those allotted to the second category were placed in the complete enumeration strata which comprised mostly of large units in each category; taking both the categories together 35 per cent of the total sample was completely enumerated. Although the overall sampling fraction was roughly 11 per cent the number of workers covered by the sample was 57 per cent of the total number of workers in the entire universe, as may be seen from Table (1.1).

1.7. *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.

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1.8. Since the SSMI was intended to be a repetitive and continuing inquiry, the items covered by the survey of the period under reference corresponded closely to those covered in the previous rounds and the industrial coverage was also the same. A few changes, however, were introduced in the schedule used in the third round. Two new blocks were introduced in this schedule. One of these related to information on gross value of sales to different types of purchases; the other block was intended to give information on various items of cost of the distributive services rendered by the establishment to its own end-products. The two additional blocks introduced in the schedule for the previous round and dealing respectively with industrial housing and change in the volume of employment were retained in the schedule for the third round also. A facsimile of the schedule used in this round has been annexed at the end of the report for necessary reference.

TABLE (1.1) : SAMPLE COVERAGE

| factories | number of factories | | | number of workers (000) | | |
|--------------------|---------------------|--------|------------------|-------------------------|--------|------------------|
| | universe | sample | per cent covered | universe | sample | per cent covered |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 1. using power | 23,809 | 2,959 | 12 | 2,589 | 1,596 | 62 |
| 2. not using power | 5,821 | 419 | 7 | 329 | 75 | 23 |
| 3. total | 29,630 | 3,378 | 11 | 2,918 | 1,671 | 57 |

TERMS AND DEFINITIONS

1.9. Explanatory notes on the definitions of the various terms used in the survey have been given below for facility of reference.

1.10. *Factories* : For the purposes of this survey, only 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* : Capital employed in the factory itself and in running it is covered by this term. It consists of *fixed capital* (comprising factory land, buildings, plant, machinery and miscellaneous assets such as furniture, fixtures, fittings, railways sidings, automobiles, patents, trade marks etc.) and *working capital* (comprising stocks of raw materials, finished and semi-finished products, cash in hand and at bank, excluding fixed deposits). The value of capital items was taken as in the books of the factory on 31st December 1953.

1.12. *Number of persons employed* : The average number of persons employed by each factory, under various heads such as workers, persons other than workers, etc., on days on which any manufacturing operation was carried on in the factory, was computed by adding the number of persons in attendance on all these days and dividing it by the number of days. These averages were aggregated for all

factories in the industry, and the aggregate was taken as the number of persons employed in the industry.

1.13. *Workers* : The term 'workers' was used in the same sense as in the Factories Act 1948, and excluded persons holding positions of supervision or management or employed in a confidential position. The Factories Act of 1948 defines a 'worker' as a person employed directly or through any agency, whether for wages or not, in any manufacturing process or in cleaning any part of the machinery or premises used for a manufacturing process, or any other kind of work incidental to or connected with, the manufacturing process or the subject of the manufacturing process. For the purpose of this survey, however, persons working without wages were not taken into account.

1.14. *Persons other than workers* : This term included all employed persons other than workers, as defined in para 1.13 above.

1.15. *Man-hours* : The estimates of the number of man-hours worked related to the entire year and covered not only the days on which manufacturing operations were carried on but also those on which only repair and maintenance work was done. Man-hours were calculated by multiplying the number of persons employed in each shift by the number of hours in the shift and aggregating the products for all the days in the year. The number of man-hours for an industry is the total of the number of man-hours worked by all factories in that industry.

1.16. *Wages and salaries* : The term 'wages and salaries' has been used in the same sense as in section 2(iv) of the Payment of Wages Act 1936, and means "all remuneration, capable of being expressed in terms of money, which would, if the terms of the contract of employment, express or implied, were fulfilled, be payable, whether conditionally upon the regular attendance, good work or conduct or other behaviour of the persons employed or otherwise, to a person employed in respect of his employment or of work done in such employment, and includes any bonus or other additional remuneration of the nature aforesaid which would be so payable, and any sum payable to such person by reason of the termination of his employment, but does not include :

- (a) the value of any house accommodation, supply of light, water, medical attendance or other amenity, or of any service excluded by general or special order of the State Government;
- (b) any contribution paid by the employer to any pension fund or provident fund;
- (c) any travelling allowance or the value of any travelling concession;
- (d) any sum paid to the person employed to defray special expenses entailed on him by the nature of his employment; or
- (e) any gratuity payable on discharge."

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1.17. *Other benefits* : In addition to the individual benefits (in kind) the term includes group benefits and employer's contribution to provident fund etc.

1.18. *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 is a case in point. The coal used in generating the energy was, however, included since it is brought into the factory from outside.

1.19. *Value of fuels, materials, etc. at factory* : This represented the cost of materials, etc., delivered at the factory inclusive of the purchase price and transport charges and other incidental costs, incurred thereon.

1.20. *Work done for the factory by other concerns* : This term denotes the costs of services rendered to the factory by other concerns and by individuals other than its own employees.

1.21. *Work done by the factory for other concerns* : This refers to the work done for customers against payment on materials supplied by them.

1.22. *Input* : It represents the sum total of the values of fuel, raw materials and chemicals, energy and industrial servicing purchased from other concerns.

1.23. *Output* : It is the sum total of the values of products and by-products and the industrial servicing sold to other concerns.

1.24. *Value added by manufacture* : Value added by manufacture was arrived at by deducting the value of input from the value of output. This value, however, is gross of depreciation.

CHAPTER TWO

RESULTS OF THE SURVEY

2.1. The summary results of the survey have been shown in this chapter. The data relate to the whole country and to establishments of both types, those using power and those not using power. Estimated values of capital, labour, materials, and products and value added by manufacture have been presented here. The arrangement of tables closely follows the pattern of the report for the previous year.

FIXED AND WORKING CAPITAL

2.2. The estimates of fixed and working capital for all industries taken together for 1953 are furnished in Table (2.1) in absolute magnitude and as percentage to total. The amount of rent paid by establishments on fixed assets taken on lease during the reference year has also been shown.

TABLE (2.1): ESTIMATES OF FIXED AND WORKING CAPITAL FOR ALL INDUSTRIES IN 1953

number of sample factories : 3,378

| item | estimated value (Rs. crores) | percentage to total | | |
|---|------------------------------------|---------------------|--------------------|---------------------------------|
| | | fixed capital | working capital | fixed and working capital |
| (1) | (2) | (3) | (4) | (5) |
| 1. land and building | 264.83 | 32.36 | — | 17.52 |
| 2. plant and machinery | 471.48 | 57.60 | — | 31.20 |
| 3. other fixed assets | 82.21 | 10.04 | — | 5.44 |
| 4. total fixed capital | 818.52 | 100.00 | — | 54.16 |
| 5. raw materials, fuels in stock | 324.90 | — | 46.89 | 21.49 |
| 6. finished and semi-finished products in stock | 284.15 | — | 41.01 | 18.80 |
| 7. cash in hand and at bank | 83.86 | — | 12.10 | 5.55 |
| 8. total working capital | 692.91 | — | 100.00 | 45.84 |
| 9. total fixed and working capital | 1511.43 | — | — | 100.00 |
| 10. rent paid on fixed capital | 4.58 | 0.56 | — | — |

2.3. The total value of fixed capital employed in 1953 stood at Rs.818 crores. It will be seen from column 3 that plant and machinery accounted for 57.60 per cent of the total fixed capital, land and buildings 32.36 per cent, and other fixed assets, e.g., furniture, transport equipment etc., 10.04 per cent. The rent on fixed assets during the year amounted to Rs.4.58 crores or only 0.56 per cent of total value of fixed assets.

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2.4. The value of working capital totalled Rs.692.91 crores. Raw materials, fuels and their stocks accounted for 46.89 per cent, finished and semi-finished products in stock 41.01 per cent, and cash in hand and at bank 12.10 per cent of the total working capital. The total value of fixed and working capital was Rs.1511.43 crores and the ratio between the two was roughly 54 to 46.

EMPLOYMENT AND EARNINGS

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

TABLE (2.2) : ESTIMATED NUMBER OF PERSONS EMPLOYED PER WORKING DAY IN 1953

number of sample factories : 3,378

| item | number in thousands | percentage to total |
|-------------------------------|---------------------|---------------------|
| (1) | (2) | (3) |
| 1. workers | 2,611 | 87.58 |
| 2. persons other than workers | 371 | 12.42 |
| 3. total | 2,982 | 100.00 |

2.6. The average number of persons per working day was estimated at 29.82 lakhs in 1953. Workers constituted 87.58 per cent and persons other than workers 12.42 per cent of total employment.

2.7. Estimated earnings for 1953 are shown in Table (2.3).

TABLE (2.3) : ESTIMATES OF WAGES, SALARIES AND BENEFITS PAID TO EMPLOYEES IN 1953

number of sample factories : 3,378

| item | amount (rupees crores) | percentage to total |
|---|------------------------|---------------------|
| (1) | (2) | (3) |
| 1. wages and salaries to workers | 235.50 | 70.17 |
| 2. payment to employees through contractors | 8.42 | 2.51 |
| 3. salaries to persons other than workers | 72.61 | 21.64 |
| 4. total payment to all employees | 316.53 | 94.32 |
| 5. other benefits including employers' contributions to provident funds | 19.07 | 5.68 |
| 6. total of all payments (4+5) | 335.60 | 100.00 |

2.8. Total payments to employees including various benefits amounted to Rs.335.60 crores. Of this, wages and salaries constituted 94.32 per cent, and benefits including subsidies on food and employers' contributions to provident funds etc.

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amounted to 5.68 per cent. Breakdown of contractors' employees by workers and others could not be obtained and hence total payments to all employees have been shown.

2.9. Estimates of man-hours worked in 1953 and number of working days per establishment are shown in Table (2.4)

TABLE (2.4): ESTIMATES OF MAN-HOURS WORKED AND
NUMBER OF WORKING DAYS IN 1953

number of sample factories: 3,378

| item | estimate |
|--|----------|
| (1) | (2) |
| 1. man-hours worked in 1953, in crore hours | 553.96 |
| 2. man-hours worked per worker, in hours | 2,122 |
| 3. number of working days per establishment, in days | 220 |

2.10. It may be pointed out that estimate of man-hours worked per worker is approximate as it could not exclude man-hours spent on the days on which only repairs and maintenance work was done. However, as the latter is of small dimension, the estimate is not expected to differ appreciably.

2.11. While Table (2.3) shows the total payments to different categories of employees, Table (2.5) gives the average earnings of workers and persons other than workers in 1953. As in the case of man-hours worked per worker, these averages are also approximate because while calculating workers only working days were considered but remunerations covered both working days and those on which repair work etc., were done.

TABLE (2.5): EARNING PER PERSON FOR THE YEAR AND
PER WORKING DAY IN 1953

number of sample factories : 3,378

| item | earning for the year in rupees | earning per working day in rupees |
|-------------------------------|--------------------------------------|---|
| (1) | (2) | (3) |
| 1. workers | 902 | 4.10 |
| 2. persons other than workers | 1,962 | 8.92 |
| 3. all employees | 1,034 | 4.70 |

2.12. The average earning of a worker per working day was Rs.4.10. If all days of the year were considered then the average naturally would be much lower. The average earning per working day of an employee other than worker was over twice the figure for a worker.

INDUSTRIAL HOUSING

2.13. As mentioned in Chapter One, information was also collected on the number of employees provided with housing accommodation by the employers, and these figures are given in Table (2.6)

TABLE (2.6) : NUMBER OF EMPLOYEES PROVIDED WITH HOUSING AS IN 1953

number of sample factories : 3,378

| item | number engaged (000) | number provided with housing (000) | per cent provided with housing |
|-------------------------------|----------------------|------------------------------------|--------------------------------|
| (1) | (2) | (3) | (4) |
| 1. workers | 2,611 | 519 | 19.88 |
| 2. persons other than workers | 371 | 110 | 30.00 |
| 3. all employees | 2,982 | 629 | 21.10 |

INPUT, OUTPUT AND VALUE ADDED

2.14. Table (2.7) shows the estimated values of input, output with break-downs and the value added by manufacture gross of depreciation.

TABLE (2.7) : ESTIMATED VALUES OF INPUT, OUTPUT AND VALUE ADDED BY MANUFACTURE IN 1953

number of sample factories : 3,378

| item | estimated value (rupees crores) | percentage to total | |
|--|---------------------------------|---------------------|--------|
| | | input | output |
| (1) | (2) | (3) | (4) |
| 1. fuels, lubricants, and electricity consumed | 80.49 | 5.74 | 3.86 |
| 2. raw materials consumed | 1300.02 | 92.67 | 62.36 |
| 3. work done for the factory by other concerns | 22.41 | 1.59 | 1.08 |
| 4. value of input | 1402.92 | 100.00 | 67.30 |
| 5. products and by-products | 2011.09 | — | 96.47 |
| 6. work done by the factory for other concerns | 73.42 | — | 3.53 |
| 7. value of output | 2084.51 | — | 100.00 |
| 8. value added by manufacture (7-4) | 681.59 | — | — |

2.15. The value of total input in 1953 for all industries was estimated at Rs.1402.92 crores. Value of raw materials amounted to Rs.1300.02 crores or 92.67 per cent and that of fuels, lubricants and electricity to Rs.80.49 crores or 5.74 per cent

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of the total input. Value of work done by other concerns came to only 1.59 per cent. The value of total output for the year was estimated at Rs.2084.51 crores. Products and by-products accounted for Rs.2011.09 crores or 96.47 per cent and earnings for work done by factories for other concerns amounted to Rs.73.42 crores or 3.53 per cent of the total output. The value added by manufacture gross of depreciation was estimated at Rs.681.59 crores.

FACTORIES USING POWER AND NOT USING POWER : A CONTRAST

2.16. The relative importance of factories using power and those not using power in regard to a few selected items has been shown in Table (2.8). Roughly 80 per cent of all the registered establishments were using power and only about 20 per cent were carrying on their operations without the use of power. Taking the total of any given item as 100 for all factories the proportions for the two types have also been shown.

TABLE (2.8) : COMPARISONS BETWEEN A FEW CHARACTERISTICS OF FACTORIES USING POWER AND THOSE NOT USING POWER : 1953

| item | unit | facto- ries using power | facto- ries not using power | all facto- ries | percentage to total | | |
|---------------------------------------|-----------------|----------------------------------|---|-----------------------|----------------------------------|---|-----------------------|
| | | | | | 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 crores) | 469.23 | 2.25 | 471.48 | 99.52 | 0.48 | 100.00 |
| 2. total fixed capital | „ | 806.74 | 11.78 | 818.52 | 98.56 | 1.44 | 100.00 |
| 3. working capital | „ | 664.97 | 27.94 | 692.91 | 95.97 | 4.03 | 100.00 |
| 4. fixed and working capital (2+3) | (rupees crores) | 1471.71 | 39.72 | 1511.43 | 97.37 | 2.63 | 100.00 |
| 5. number of employees | (thousands) | 2,676 | 306 | 2,982 | 89.74 | 10.26 | 100.00 |
| 6. man-hours worked | (hours crores) | 495.55 | 58.41 | 553.96 | 89.46 | 10.54 | 100.00 |
| 7. payment to all employees | (rupees crores) | 317.79 | 17.81 | 335.60 | 94.69 | 5.31 | 100.00 |
| 8. output | „ | 1916.17 | 168.34 | 2084.51 | 91.92 | 8.08 | 100.00 |
| 9. input | „ | 1265.92 | 137.00 | 1402.92 | 90.23 | 9.77 | 100.00 |
| 10. value added (8-9) | (rupees crores) | 650.25 | 31.34 | 681.59 | 95.40 | 4.60 | 100.00 |
| 11. number of sample factories | | 2,959 | 419 | 3,378 | 87.60 | 12.40 | 100.00 |
| 12. total number of factories | | 23,809 | 5,821 | 29,630 | 80.36 | 19.64 | 100.00 |

2.17. It may be seen that though the number of factories not using power amounted to about 20 per cent of all factories their contribution to the total of other estimates was much smaller. These factories accounted for 10 per cent of the total employment but their contribution to the total value added by manufacture was

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only about 5 per cent. Again, of the total investment in fixed and working capital their share was only a little over 2 per cent.

2.18. Table (2.9) shows the per establishment values of a number of items for the two types of factories separately.

TABLE (2.9) : PER ESTABLISHMENT FIGURES FOR FACTORIES USING POWER AND NOT USING POWER IN RESPECT OF A SELECTED NUMBER OF ITEMS : 1953

| item | unit | factories using power | factories not using power | all factories |
|--------------------------------------|--------------|-----------------------------|---------------------------------|------------------|
| (1) | (2) | (3) | (4) | (5) |
| 1. plant and machinery | rupees (000) | 197 | 4 | 159 |
| 2. fixed capital | ,, | 339 | 20 | 276 |
| 3. working capital | ,, | 279 | 48 | 234 |
| 4. fixed and working capital (2+3) | rupees (000) | 618 | 68 | 510 |
| 5. number of employees | number | 109 | 57 | 98 |
| 6. man-hours worked | hours (000) | 208 | 100 | 187 |
| 7. payment to all employees | rupees (000) | 133 | 31 | 113 |
| 8. output | ,, | 805 | 289 | 703 |
| 9. input | ,, | 532 | 235 | 473 |
| 10. value added by manufacture (8-9) | rupees (000) | 273 | 54 | 230 |

2.19. It will be seen that the number of persons employed in a factory not using power was nearly half of the average for a power-using factory. The value added by manufacture in such a factory was about one fifth of the average figure for a power-using factory.

2.20. Another comparison has been given in Table (2.10) based on figures per worker.

TABLE (2.10) : FIGURES PER WORKER ON SELECTED ITEMS FOR FACTORIES USING POWER AND NOT USING POWER : 1953

| item | unit | factories using power | factories not using power | all factories |
|--------------------------------------|--------|-----------------------------|---------------------------------|------------------|
| (1) | (2) | (3) | (4) | (5) |
| 1. plant and machinery | rupees | 2,015 | 80 | 1,806 |
| 2. fixed capital | ,, | 3,465 | 417 | 3,135 |
| 3. working capital | ,, | 2,856 | 989 | 2,654 |
| 4. fixed and working capital (2+3) | rupees | 6,321 | 1,406 | 5,689 |
| 5. man-hours worked | hours | 2,128 | 2,067 | 2,122 |
| 6. payment to all employees | rupees | 962 | 407 | 902 |
| 7. output | ,, | 8,230 | 5,957 | 7,984 |
| 8. input | ,, | 5,437 | 4,848 | 5,373 |
| 9. valued added by manufacture (7-8) | rupees | 2,793 | 1,109 | 2,611 |

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2.21. It will be seen that although the man-hours worked were nearly of the same order in both the types of factories, the output per worker in the case of factories not using power was lower. The average of value added by manufacture in these factories was nearly a third of the value for factories using power.

2.22. Table (2.11) gives the estimates of a few selected items for the three consecutive years 1951, 1952 and 1953. It may be pointed out that the 1953 survey has the additional coverage of Jammu and Kashmir State, but its contribution is too small to vitiate comparison with the estimates of the preceding years.

TABLE (2.11): A COMPARISON OF SOME RESULTS OF 1951, 1952 and 1953 SURVEYS

| item | unit | value (in crores of rupees) | | | percentage increase in 1953 compared to | |
|------------------------------------|-----------------|-----------------------------|---------|---------|---|-------|
| | | 1951 | 1952 | 1953 | 1951 | 1952 |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 1. plant and machinery | (rupees crores) | 416.00 | 449.19 | 471.48 | 11.33 | 4.95 |
| 2. total fixed capital | „ | 706.79 | 768.73 | 818.52 | 15.60 | 6.47 |
| 3. working capital | „ | 625.86 | 740.77 | 692.91 | 10.71 | -6.91 |
| 4. fixed and working capital (2+3) | (rupees crores) | 1332.65 | 1509.50 | 1511.43 | 13.41 | 0.12 |
| 5. number of employees | (number 000) | 3067.00 | 2943.61 | 2982.03 | -2.88 | 1.30 |
| 6. man-hours worked | (hours crores) | 570.59 | 563.42 | 553.96 | -3.00 | -1.71 |
| 7. payment to all employees | (rupees crores) | 297.95 | 320.55 | 335.60 | 12.64 | 4.70 |
| 8. output | „ | 2198.58 | 2073.86 | 2084.51 | -5.48 | 0.51 |
| 9. input | „ | 1577.67 | 1460.92 | 1402.92 | -12.46 | -4.13 |
| 10. value added (8-9) | „ | 620.92 | 612.94 | 681.59 | 9.77 | 11.20 |
| 11. number of sample factories | | 2889 | 3003 | 3378 | — | — |
| 12. total number of factories | | 27957 | 28872 | 29630 | — | — |

2.23. It may be seen that compared to 1951, 1952 registered a decline in output, input, value added and in employment, though capital investment increased in that year. In 1951, the number of employed persons was 31 lakhs. This number was reduced to 29 lakhs in 1952. But in 1953, there was again an increase by 40 thousands over 1952. Again, while the value of output in 1952 and 1953 remained practically the same as in 1951, the value of the input for those years showed a gradual decline *vis-a-vis* the year 1951. As a result, the value added by manufacture was the highest in 1953.

RELIABILITY OF ESTIMATES

2.24. Both from the point of view of industry coverage as well as geographical coverage there was a wide divergence between the Sample Survey of Manufacturing Industries and the Census of Manufacturing Industries. Thus, whilst in 1953

Manufacturing Industries : 1953

the Census of Manufacturing Industries surveyed a total of 6,399 establishments using power (and employing 20 or more workers) and pertaining to 29 industry types out of the 63 available industry groups, the SSMI brought within its purview a total of 29,630 establishments using power (and employing 10 or more workers) and also not using power (and employing 20 or more workers) covering all the 63 industry groups. The SSMI covered the whole country including the States of Jammu and Kashmir while the 1953 Census excluded the following eight states, viz., Jammu and Kashmir, Madhya Bharat, Hyderabad, Mysore, Bhopal, Bilashpur, Manipur and Tripura. Apart from the difference in coverage, there were some conceptual differences also. In the circumstances, it is not possible without adjustments to compare the results of this survey with the information available from the CMI. However, an idea of the internal consistency may be obtained from the figures of the two comparable sub-samples. Table (2.12) gives the estimates of some important items by sub-samples and indicates the differences of the sub-samples as percentages of the average values.

TABLE (2.12) : COMPARISON OF ESTIMATES OF SOME ITEMS BY SUB-SAMPLES

| item | unit | sub- sample 1 | sub- sample 2 | com- bined | percentage difference |
|----------------------------------|-----------------|------------------|------------------|---------------|--------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) |
| 1. fixed and working capital | (rupees crores) | 1554.61 | 1468.24 | 1511.43 | 5.71 |
| 2. labour employed | number (000) | 2934 | 3030 | 2982 | 3.20 |
| 3. total payment to labour force | (rupees crores) | 338.73 | 332.48 | 335.60 | 1.86 |
| 4. total man-hours worked | (hours crores) | 546.16 | 561.76 | 553.96 | 2.82 |
| 5. value of input | (rupees crores) | 1394.71 | 1411.15 | 1402.92 | 1.17 |
| 6. value of output | ,, | 2084.69 | 2084.33 | 2084.51 | 0.02 |
| 7. value added by manufacture | ,, | 689.98 | 673.18 | 681.59 | 2.47 |
| 8. number of sample factories | | 2278 | 2278 | 3378 | — |

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TABLE 1: EXTENT OF SAMPLING: NUMBER OF FACTORIES BY INDUSTRIES—
FACTORIES USING POWER: 1953

| CMI classification | | number of factories | | |
|--------------------|--|---------------------|-----------------|------------------|
| number | description | universe | sample surveyed | per cent covered |
| (1) | (2) | (3) | (4) | (5) |
| 1. 01 | wheat flour | 174 | 43 | 24.71 |
| 2. 02 | rice milling | 2631 | 217 | 8.25 |
| 3. 03 | biscuit making | 133 | 20 | 15.04 |
| 4. 04 | fruits and vegetable processing | 31 | 10 | 32.26 |
| 5. 5a | sugar : vacuum pan factory | 149 | 96 | 64.43 |
| 6. 5b | „ : refineries | 25 | 4 | 16.00 |
| 7. 5c | „ : gur factories | 460 | 18 | 3.91 |
| 8. 6 | distilleries and breweries | 77 | 19 | 24.68 |
| 9. 7 | starch | 124 | 15 | 12.10 |
| 10. 8 | vegetable oil (including hydrogenated oil) | 1777 | 277 | 15.59 |
| 11. 9 | paints and varnishes | 88 | 18 | 20.45 |
| 12. 10 | soap | 73 | 26 | 35.62 |
| 13. 11 | tanning | 188 | 47 | 25.00 |
| 14. 12 | cement | 19 | 19 | 100.00 |
| 15. 13 | glass and glassware | 166 | 40 | 24.10 |
| 16. 14 | ceramics | 64 | 17 | 26.56 |
| 17. 15 | plywood and tea chests | 79 | 19 | 24.05 |
| 18. 16 | paper and paper board | 75 | 44 | 58.67 |
| 19. 17 | matches | 86 | 30 | 34.88 |
| 20. 18 | cotton textiles : unclassified | 15 | 9 | 60.00 |
| 21. 18a | „ „ : spinning mills | 130 | 36 | 27.69 |
| 22. 18b | „ „ : composite mills | 278 | 188 | 67.63 |
| 23. 18c | „ „ : powerloom mills | 391 | 22 | 5.63 |
| 24. 19 | woollen textiles | 76 | 25 | 32.89 |
| 25. 20 | jute textiles | 106 | 67 | 63.21 |
| 26. 21 | chemicals (including drugs) | 346 | 62 | 17.92 |
| 27. 22a | aluminium, copper and brass : primary products | 9 | 7 | 77.78 |
| 28. 22b | „ : secondary products | 369 | 58 | 15.72 |
| 29. 23a | iron and steel : primary products | 7 | 7 | 100.00 |
| 30. 23b | „ : secondary products | 1123 | 91 | 8.10 |
| 31. 24 | bicycles | 54 | 17 | 31.48 |
| 32. 25 | sewing machines | 13 | 9 | 69.23 |
| 33. 27 | electric lamps | 7 | 7 | 100.00 |
| 34. 28 | electric fan | 32 | 9 | 28.12 |

Manufacturing Industries : 1953

TABLE 1 (Contd.): EXTENT OF SAMPLING : NUMBER OF FACTORIES BY INDUSTRIES—
FACTORIES USING POWER : 1953

| 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 : unclassified | 312 | 26 | 8.33 |
| 36. 29a | „ : repairing works | 600 | 35 | 5.83 |
| 37. 29b | „ : manufacturing | 1042 | 75 | 7.20 |
| 38. 30 | footwear and leather manufacturing | 34 | 13 | 38.24 |
| 39. 31 | rubber and rubber manufacturing | 158 | 49 | 31.01 |
| 40. 32 | enamelware | 23 | 5 | 21.74 |
| 41. 33 | hume pipes and other cement and cement concrete products | 85 | 13 | 15.29 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 100.00 |
| 43. 35 | bricks, tiles, lime and surki manufacturing | 316 | 21 | 6.65 |
| 44. 36 | lac | 23 | 9 | 39.13 |
| 45. 37 | turpentine and rosin | 4 | 4 | 100.00 |
| 46. 38 | plastics (including gramophone records) | 70 | 13 | 18.57 |
| 47. 39 | petroleum refining | 4 | 4 | 100.00 |
| 48. 40 | saw milling | 668 | 31 | 4.66 |
| 49. 41 | woodware (including furniture) | 132 | 21 | 15.91 |
| 50. 42 | tea manufacturing | 1219 | 126 | 10.34 |
| 51. 43 | tobacco products | 93 | 58 | 62.37 |
| 52. 44 | groundnut decorticating etc. | 438 | 44 | 10.05 |
| 53. 45 | printing and bookbinding etc. | 1600 | 79 | 4.94 |
| 54. 46 | webbing narrow fabrics | 86 | 9 | 10.47 |
| 55. 47 | hosiery and other knitted goods | 368 | 18 | 4.89 |
| 56. 48 | thread and thread ball making | 20 | 5 | 25.00 |
| 57. 49 | textile dyeing, bleaching etc. | 184 | 34 | 18.48 |
| 58. 50 | clothing and tailoring | 29 | 4 | 13.79 |
| 59. 51 | cotton ginning and pressing | 2212 | 191 | 8.63 |
| 60. 52 | rope making | 7 | 7 | 100.00 |
| 61. 53 | silk and artificial silk | 627 | 51 | 8.13 |
| 62. 54 | jute pressing | 35 | 12 | 34.29 |
| 63. 55 | electricity generation and transformation | 393 | 35 | 8.91 |
| 64. 56 | automobiles and coach building | 773 | 98 | 12.68 |
| 65. 57 | ship building and repairing | 42 | 13 | 30.95 |
| 66. 60 | aircraft assembling and repairing services | 21 | 5 | 23.81 |
| 67. 62 | textile machineries and accessories | 159 | 14 | 8.83 |
| 68. 63 | unspecified industries | 2651 | 238 | 9.98 |
| 69. | all industries | 23809 | 2959 | 12.43 |

National Sample Survey

TABLE 2 : EXTENT OF SAMPLING : NUMBER OF FACTORIES BY INDUSTRIES—FACTORIES NOT USING POWER : 1953

| CMI classification | | number of factories | | |
|--------------------|--|---------------------|-----------------|------------------|
| number | description | universe | sample surveyed | per cent covered |
| (1) | (2) | (3) | (4) | (5) |
| 1. 10 | soap | 25 | 2 | 8.00 |
| 2. 11 | tanning | 236 | 18 | 7.63 |
| 3. 13 | glass and glassware | 67 | 10 | 14.93 |
| 4. 17 | matches | 106 | 7 | 6.60 |
| 5. 18d | cotton textiles : handloom mills | 564 | 30 | 5.32 |
| 6. 19 | woollen textiles | 36 | 6 | 16.67 |
| 7. 21 | chemicals (including drugs) | 54 | 5 | 9.26 |
| 8. 29a | general engineering and electrical engineering : | | | |
| | repairing works | 12 | 2 | 16.67 |
| 9. 29b | : manufacturing | 16 | 4 | 25.00 |
| 10. 35 | bricks, tiles, lime and surki manufacturing | 649 | 31 | 4.78 |
| 11. 36 | lac | 147 | 12 | 8.18 |
| 12. 43 | tobacco products | 2161 | 20 | 5.55 |
| 13. 44 | groundnut decorticating etc. | 188 | 45 | 23.94 |
| 14. 45 | printing and bookbinding etc. | 103 | 11 | 10.68 |
| 15. 56 | automobiles and coach building | 29 | 4 | 13.79 |
| 16. | other industries | 1428 | 212 | 14.84 |
| 17. | all industries | 5821 | 419 | 7.20 |

TABLE 3 : EXTENT OF SAMPLING : NUMBER OF FACTORIES BY INDUSTRIES—ALL FACTORIES : 1953

| CMI classification | | number of factories | | |
|--------------------|--|---------------------|-----------------|------------------|
| number | description | universe | sample surveyed | per cent covered |
| (1) | (2) | (3) | (4) | (5) |
| 1. 10 | soap | 98 | 28 | 28.57 |
| 2. 11 | tanning | 424 | 65 | 15.33 |
| 3. 13 | glass and glassware | 233 | 50 | 21.46 |
| 4. 17 | matches | 192 | 37 | 19.27 |
| 5. 19 | woollen textiles | 112 | 31 | 27.68 |
| 6. 21 | chemicals (including drugs) | 400 | 67 | 16.75 |
| 7. 29a | general engineering and electrical engineering : | | | |
| | repairing works | 612 | 37 | 6.05 |
| 8. 29b | : manufacturing | 1058 | 79 | 7.47 |
| 9. 35 | bricks, tiles, lime and surki manufacturing | 965 | 52 | 5.39 |
| 10. 36 | lac | 170 | 21 | 12.35 |
| 11. 43 | tobacco products | 2254 | 178 | 7.90 |
| 12. 44 | groundnut decorticating etc. | 626 | 89 | 14.22 |
| 13. 45 | printing and bookbinding etc. | 1703 | 90 | 5.78 |
| 14. 56 | automobiles and coach building | 802 | 102 | 12.72 |
| 15. | other industries | 19981 | 2452 | 12.27 |
| 16. | all industries | 29630 | 3378 | 11.40 |

Manufacturing Industries : 1953

TABLE 4: EXTENT OF SAMPLING: NUMBER OF WORKERS BY INDUSTRIES—
FACTORIES USING POWER: 1953

| CMI classification | | number of workers | | |
|--------------------|--|-------------------|-----------------|------------------|
| number | description | universe | sample surveyed | per cent covered |
| (1) | (2) | (3) | (4) | (5) |
| 1. 01 | wheat flour | 7985 | 4570 | 57.23 |
| 2. 02 | rice milling | 58587 | 10570 | 18.04 |
| 3. 03 | biscuit making | 7918 | 3628 | 45.82 |
| 4. 04 | fruits and vegetable processing | 1198 | 674 | 56.26 |
| 5. 05a | sugar : vacuum pan factory | 94844 | 79669 | 84.00 |
| 6. 05b | „ : refineries | 1738 | 1065 | 61.28 |
| 7. 05c | „ : gur factories | 9771 | 774 | 7.92 |
| 8. 06 | distilleries and breweries | 7926 | 4717 | 59.51 |
| 9. 07 | starch | 3787 | 1623 | 42.86 |
| 10. 08 | vegetable oil (including hydrogenated oil) | 68170 | 24641 | 36.15 |
| 11. 09 | paints and varnishes | 5413 | 3083 | 56.96 |
| 12. 10 | soap | 8186 | 7189 | 87.82 |
| 13. 11 | tanning | 9792 | 5843 | 59.67 |
| 14. 12 | cement | 19769 | 19769 | 100.00 |
| 15. 13 | glass and glassware | 31754 | 17973 | 56.60 |
| 16. 14 | ceramics | 21308 | 15845 | 74.36 |
| 17. 15 | plywood and tea chests | 7321 | 4610 | 62.97 |
| 18. 16 | paper and paper board | 23167 | 22293 | 96.23 |
| 19. 17 | matches | 15217 | 12741 | 83.73 |
| 20. 18 | cotton textiles : unclassified | 14792 | 13261 | 89.65 |
| 21. 18a | „ : spinning mills | 96046 | 68508 | 71.33 |
| 22. 18b | „ : composite mills | 586478 | 519661 | 88.61 |
| 23. 18c | „ : powerloom mills | 25897 | 10377 | 40.07 |
| 24. 19 | woollen textiles | 14518 | 13035 | 84.54 |
| 25. 20 | jute textiles | 307347 | 236582 | 76.98 |
| 26. 21 | chemicals (including drugs) | 40784 | 24565 | 60.29 |
| 27. 22a | aluminium, copper and brass : primary products | 4245 | 4203 | 99.01 |
| 28. 22b | „ : secondary products | 18887 | 10717 | 56.74 |
| 29. 23a | iron and steel : primary products | 55737 | 55737 | 100.00 |
| 30. 23b | „ : secondary products | 76881 | 33894 | 44.09 |
| 31. 24 | bicycles | 2715 | 2045 | 75.32 |
| 32. 25 | sewing machines | 1845 | 1796 | 97.34 |
| 33. 27 | electric lamps | 1356 | 1356 | 100.00 |
| 34. 28 | electric fans | 4564 | 3968 | 86.94 |

National Sample Survey

TABLE 4 (Contd.): EXTENT OF SAMPLING : NUMBER OF WORKERS BY INDUSTRIES—
FACTORIES USING POWER : 1953

| 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 : | | | |
| | unclassified | 26371 | 10898 | 41.33 |
| 36. 29a | : repairing works | 29542 | 8325 | 28.18 |
| 37. 29b | : manufacturing | 54952 | 25340 | 46.11 |
| 38. 30 | footwear and leather manufacturing | 13986 | 13289 | 95.02 |
| 39. 31 | rubber and rubber manufacturing | 16516 | 13014 | 78.80 |
| 40. 32 | enamelware | 1821 | 1150 | 63.15 |
| 41. 33 | hume pipes and other cement and cement concrete products | 3560 | 1493 | 41.94 |
| 42. 34 | asbestos and asbestos cement products | 3093 | 3093 | 100.00 |
| 43. 35 | bricks, tiles, lime and surki manufacturing | 23638 | 3760 | 15.91 |
| 44. 36 | lac | 1964 | 1257 | 64.00 |
| 45. 37 | turpentine and rosin | 333 | 333 | 100.00 |
| 46. 38 | plastics (including gramophone records) | 4337 | 1402 | 32.33 |
| 47. 39 | petroleum refining | 1315 | 1295 | 98.48 |
| 48. 40 | saw milling | 18550 | 4614 | 24.87 |
| 49. 41 | woodware (including furniture) | 5422 | 1796 | 33.12 |
| 50. 42 | tea manufacturing | 118326 | 20646 | 17.45 |
| 51. 43 | tobacco products | 29253 | 27289 | 93.29 |
| 52. 44 | groundnut decorticating etc. | 14913 | 8369 | 56.12 |
| 53. 45 | printing and bookbinding etc. | 74488 | 15650 | 21.01 |
| 54. 46 | webbing narrow fabrics | 4294 | 1697 | 39.52 |
| 55. 47 | hosiery and other knitted goods | 11423 | 2504 | 21.92 |
| 56. 48 | thread and thread ball making | 829 | 675 | 81.42 |
| 57. 49 | textiles dyeing, bleaching etc. | 19223 | 11017 | 57.31 |
| 58. 50 | clothing and tailoring | 5380 | 4679 | 86.97 |
| 59. 51 | cotton ginning and pressing | 128209 | 17883 | 13.95 |
| 60. 52 | rope making | 1581 | 1581 | 100.00 |
| 61. 53 | silk and artificial silk | 49328 | 15126 | 30.66 |
| 62. 54 | jute pressing | 4972 | 3493 | 70.25 |
| 63. 55 | electricity generation and transformation | 30600 | 14334 | 46.84 |
| 64. 56 | automobiles and coach building | 42791 | 21998 | 51.41 |
| 65. 57 | ship building and repairing | 19650 | 16428 | 83.60 |
| 66. 60 | aircraft assembling and repairing services | 15550 | 14592 | 93.84 |
| 67. 62 | textile machineries and accessories | 8072 | 3779 | 46.82 |
| 68. 63 | unspecified industries | 147918 | 62067 | 41.96 |
| 69. | all industries | 2589007 | 1595848 | 61.64 |

Manufacturing Industries : 1953

TABLE 5 : EXTENT OF SAMPLING : NUMBER OF WORKERS BY INDUSTRIES—FACTORIES
NOT USING POWER : 1953

| CMI classification | | number of workers | | |
|--------------------|--|-------------------|-----------------|------------------|
| number | description | universe | sample surveyed | per cent covered |
| (1) | (2) | (3) | (4) | (5) |
| 1. | 10 soap | 586 | 66 | 11.26 |
| 2. | 11 tanning | 7,542 | 873 | 11.58 |
| 3. | 13 glass and glassware | 4,140 | 1,178 | 28.45 |
| 4. | 17 matches | 5,038 | 1,055 | 20.94 |
| 5. | 18a cotton textiles : handloom mills | 15,063 | 2,023 | 13.43 |
| 6. | 19 woollen textiles | 2,018 | 451 | 22.35 |
| 7. | 21 chemicals (including drugs) | 1,837 | 427 | 23.24 |
| 8. | 29a general engineering and electrical engineering : | | | |
| | repairing works | 250 | 49 | 19.60 |
| 9. | 29b " " : manufacturing | 335 | 90 | 26.87 |
| 10. | 35 bricks, tiles, lime and surki manufacturing | 28,433 | 4,164 | 14.64 |
| 11. | 36 lac | 7,407 | 1,055 | 14.24 |
| 12. | 43 tobacco products | 134,389 | 28,575 | 21.26 |
| 13. | 44 groundnut decorticating etc. | 44,726 | 20,381 | 45.57 |
| 14. | 45 printing and bookbinding etc. | 2,526 | 462 | 18.29 |
| 15. | 56 automobiles and coach building | 1,539 | 637 | 41.39 |
| 16. | other industries | 73,358 | 13,033 | 17.77 |
| 17. | all industries | 329,187 | 74,519 | 22.64 |

TABLE 6 : EXTENT OF SAMPLING : NUMBER OF WORKERS BY INDUSTRIES—ALL
FACTORIES : 1953

| CMI classification | | number of workers | | |
|--------------------|--|-------------------|-----------------|------------------|
| number | description | universe | sample surveyed | per cent covered |
| (1) | (2) | (3) | (4) | (5) |
| 1. | 10 soap | 8,772 | 7,255 | 82.71 |
| 2. | 11 tanning | 17,334 | 6,716 | 38.74 |
| 3. | 13 glass and glassware | 35,894 | 19,151 | 53.35 |
| 4. | 17 matches | 20,255 | 13,796 | 68.11 |
| 5. | 19 woollen textiles | 17,436 | 13,486 | 77.35 |
| 6. | 21 chemicals (including drugs) | 42,585 | 24,992 | 58.69 |
| 7. | 29a general engineering and electrical engineering : | | | |
| | repairing works | 29,792 | 8,374 | 28.11 |
| 8. | 29b " " : manufacturing | 55,287 | 25,430 | 46.00 |
| 9. | 35 bricks, tiles, lime and surki manufacturing | 52,071 | 7,924 | 15.22 |
| 10. | 36 lac | 9,371 | 2,312 | 24.67 |
| 11. | 43 tobacco products | 163,642 | 55,864 | 34.14 |
| 12. | 44 groundnut decorticating etc. | 59,639 | 28,750 | 48.21 |
| 13. | 45 printing and bookbinding etc. | 77,014 | 16,112 | 20.92 |
| 14. | 56 automobiles and coach building | 44,330 | 22,635 | 51.06 |
| 15. | other industries | 2,284,772 | 1,417,570 | 62.04 |
| 16. | all industries | 2,918,194 | 1,670,367 | 57.24 |

National Sample Survey

TABLE 7 : DISTRIBUTION OF SUB-SAMPLES BY INDUSTRIES—FACTORIES USING
POWER : 1953

| 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 | 19 | 31 | 31 | 43 |
| 2. | 02 rice milling | 33 | 125 | 125 | 217 |
| 3. | 03 biscuit making | 6 | 13 | 13 | 20 |
| 4. | 04 fruits and vegetable processing | 6 | 8 | 8 | 10 |
| 5. | 05a sugar : vacuum pan factory | 70 | 83 | 83 | 96 |
| 6. | 05b .. : refineries | 2 | 3 | 3 | 4 |
| 7. | 05c .. : gur factories | 2 | 10 | 10 | 18 |
| 8. | 06 distilleries and breweries | 9 | 14 | 14 | 19 |
| 9. | 07 starch | 5 | 10 | 10 | 15 |
| 10. | 08 vegetable oil (including hydrogenated oil) | 67 | 172 | 172 | 277 |
| 11. | 09 paints and varnishes | 6 | 12 | 12 | 18 |
| 12. | 10 soap | 20 | 23 | 23 | 26 |
| 13. | 11 tanning | 17 | 32 | 32 | 47 |
| 14. | 12 cement | 19 | 19 | 19 | 19 |
| 15. | 13 glass and glassware | 14 | 27 | 27 | 40 |
| 16. | 14 ceramics | 11 | 14 | 14 | 17 |
| 17. | 15 plywood and tea chests | 9 | 14 | 14 | 19 |
| 18. | 16 paper and paper board | 38 | 41 | 41 | 44 |
| 19. | 17 matches | 20 | 25 | 25 | 30 |
| 20. | 18 cotton textiles : unclassified | 5 | 7 | 7 | 9 |
| 21. | 18a .. : spinning mills | 22 | 29 | 29 | 36 |
| 22. | 18b .. : composite mills | 146 | 167 | 167 | 188 |
| 23. | 18c .. : powerloom mills | 2 | 12 | 12 | 22 |
| 24. | 19 woollen textiles | 15 | 20 | 20 | 25 |
| 25. | 20 jute textiles | 45 | 56 | 56 | 67 |
| 26. | 21 chemicals (including drugs) | 30 | 46 | 46 | 62 |
| 27. | 22a aluminium, copper and brass : primary products | 5 | 6 | 6 | 7 |
| 28. | 22b : secondary products | 30 | 44 | 44 | 58 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 7 |
| 30. | 23b .. : secondary products | 27 | 59 | 59 | 91 |
| 31. | 24 bicycles | 9 | 13 | 13 | 17 |
| 32. | 25 sewing machines | 7 | 8 | 8 | 9 |
| 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 : 1953

TABLE 7 (Contd.) : DISTRIBUTION OF SUB-SAMPLES BY INDUSTRIES—FACTORIES USING POWER : 1953

| 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 : unclassified | 8 | 17 | 17 | 26 |
| 36. 29a | „ „ „ : repairing works | 7 | 21 | 21 | 35 |
| 37. 29b | „ „ „ : manufacturing | 27 | 51 | 51 | 75 |
| 38. 30 | footwear and leather manufacturing | 11 | 12 | 12 | 13 |
| 39. 31 | rubber and rubber manufacturing | 25 | 37 | 37 | 49 |
| 40. 32 | enamelware | 1 | 3 | 3 | 5 |
| 41. 33 | hume pipes and other cement and cement concrete products | 5 | 9 | 9 | 13 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 6 |
| 43. 35 | bricks, tiles, lime and surki manufacturing | 3 | 12 | 12 | 21 |
| 44. 36 | lac | 5 | 7 | 7 | 9 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 4 |
| 46. 38 | plastics (including gramophone records) | 3 | 8 | 8 | 13 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 4 |
| 48. 40 | saw milling | 11 | 21 | 21 | 31 |
| 49. 41 | woodware (including furniture) | 3 | 12 | 12 | 21 |
| 50. 42 | tea manufacturing | 4 | 65 | 65 | 126 |
| 51. 43 | tobacco products | 46 | 52 | 52 | 58 |
| 52. 44 | groundnut decorticating etc. | 14 | 29 | 29 | 44 |
| 53. 45 | printing and bookbinding etc. | 7 | 43 | 43 | 79 |
| 54. 46 | webbing narrow fabrics | 3 | 6 | 6 | 9 |
| 55. 47 | hosiery and other knitted goods | 4 | 11 | 11 | 18 |
| 56. 48 | thread and thread ball making | 1 | 3 | 3 | 5 |
| 57. 49 | textile dyeing, bleaching etc. | 14 | 24 | 24 | 34 |
| 58. 50 | clothing and tailoring | 2 | 3 | 3 | 4 |
| 59. 51 | cotton ginning and pressing | 3 | 97 | 97 | 191 |
| 60. 52 | rope making | 7 | 7 | 7 | 7 |
| 61. 53 | silk and artificial silk | 21 | 36 | 36 | 51 |
| 62. 54 | jute pressing | 6 | 9 | 9 | 12 |
| 63. 55 | electricity generation and transformation | 13 | 24 | 24 | 35 |
| 64. 56 | automobiles and coach building | 32 | 65 | 65 | 98 |
| 65. 57 | ship building and repairing | 9 | 11 | 11 | 13 |
| 66. 60 | aircraft assembling and repairing services | 1 | 3 | 3 | 5 |
| 67. 62 | textile machineries and accessories | 8 | 11 | 11 | 14 |
| 68. 63 | unspecified industries | 72 | 155 | 155 | 238 |
| 69. | all industries | 1127 | 2043 | 2043 | 2959 |

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

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TABLE 8 : DISTRIBUTION OF SUB-SAMPLES BY INDUSTRIES—FACTORIES NOT USING POWER : 1953

| CMI classification | | number of samples | | | |
|--------------------|---|-------------------|--------------|--------------|-------|
| number | description | common factories* | sub-sample 1 | sub-sample 2 | total |
| (1) | (2) | (3) | (4) | (6) | (6) |
| 1. 10 | soap | — | 1 | 1 | 2 |
| 2. 11 | tanning | — | 9 | 9 | 18 |
| 3. 13 | glass and glassware | 6 | 8 | 8 | 10 |
| 4. 17 | matches | 1 | 4 | 4 | 7 |
| 5. 18d | cotton textiles : handloom mills | 2 | 16 | 16 | 30 |
| 6. 19 | woollen textiles | — | 3 | 3 | 6 |
| 7. 21 | chemicals (including drugs) | 3 | 4 | 4 | 5 |
| 8. 29a | general engineering and electrical engineering : repairing works | — | 1 | 1 | 2 |
| 9. 29b | „ „ : manufacturing | — | 2 | 2 | 4 |
| 10. 35 | bricks, tiles, lime and surki manufacturing | 1 | 16 | 16 | 31 |
| 11. 36 | lac | — | 6 | 6 | 12 |
| 12. 43 | tobacco products | 8 | 64 | 64 | 120 |
| 13. 44 | groundnut decorticating etc. | 7 | 26 | 26 | 45 |
| 14. 45 | printing and bookbinding etc. | 3 | 7 | 7 | 11 |
| 15. 56 | automobiles and coach building | — | 2 | 2 | 4 |
| 16. | other industries | 20 | 66 | 66 | 112 |
| 17. | all industries | 51 | 235 | 235 | 419 |

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

TABLE 9 : DISTRIBUTION OF SUB-SAMPLES BY INDUSTRIES—ALL FACTORIES : 1953

| 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 | 17 | 41 | 41 | 65 |
| 3. 13 | glass and glassware | 20 | 35 | 35 | 50 |
| 4. 17 | matches | 21 | 29 | 29 | 37 |
| 5. 19 | woollen textiles | 15 | 23 | 23 | 31 |
| 6. 21 | chemicals (including drugs) | 33 | 50 | 50 | 67 |
| 7. 29a | general engineering and electrical engineering : repairing works | 7 | 22 | 22 | 37 |
| 8. 29b | „ „ : manufacturing | 27 | 53 | 53 | 79 |
| 9. 35 | bricks, tiles, lime and surki manufacturing | 4 | 28 | 28 | 52 |
| 10. 36 | lac | 5 | 13 | 13 | 21 |
| 11. 43 | tobacco products | 54 | 116 | 116 | 178 |
| 12. 44 | groundnut decorticating etc. | 21 | 55 | 55 | 89 |
| 13. 45 | printing and bookbinding etc. | 10 | 50 | 50 | 90 |
| 14. 56 | automobiles and coach building | 32 | 67 | 67 | 102 |
| 15. | other industries | 892 | 1672 | 1672 | 2452 |
| 16. | all industries | 1178 | 2278 | 2278 | 3378 |

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

Manufacturing Industries : 1953

TABLE 10: ESTIMATES OF SELECTED ITEMS BY SUB-SAMPLES IN FACTORIES
USING POWER FOR ALL INDUSTRIES: 1953

| 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) | 38.22 | 36.18 | 37.20 | 5.48 |
| 2. value of building | ,, | 226.95 | 213.47 | 220.21 | 6.12 |
| 3. value of land and building (1+2) | ,, | 265.17 | 249.65 | 257.41 | 6.03 |
| 4. value of plant and machinery | ,, | 503.39 | 435.06 | 469.23 | 14.56 |
| 5. value of other fixed assets | ,, | 72.61 | 87.59 | 80.10 | 18.70 |
| 6. value of total fixed capital (3 to 5) | ,, | 841.17 | 772.30 | 806.74 | 8.54 |
| 7. value of raw materials, fuels etc. | ,, | 322.61 | 301.54 | 312.08 | 6.75 |
| 8. value of products (finished and semi-finished) | ,, | 265.60 | 277.98 | 271.79 | 4.55 |
| 9. cash in hand and at bank | ,, | 88.10 | 74.11 | 81.10 | 17.25 |
| 10. total working capital (7 to 9) | ,, | 676.31 | 653.63 | 664.97 | 3.41 |
| 11. total invested capital (6+10) | ,, | 1517.48 | 1425.93 | 1471.71 | 6.22 |
| 12. rent etc. paid on total fixed capital | ,, | 4.02 | 4.51 | 4.26 | 11.50 |
| <i>(ii) intensity of work (per factory)</i> | | | | | |
| 13. average number of working days in a year | number | 223.75 | 223.01 | 223.37 | 0.33 |
| 14. average number of shifts per day | ,, | 1.20 | 1.21 | 1.20 | 0.83 |
| 15. average length of shifts | hours | 6.92 | 7.07 | 7.00 | 2.14 |
| <i>(iii) volume of work</i> | | | | | |
| 16. workers employed : men | number (000) | 2049.58 | 2102.48 | 2076.03 | 2.55 |
| 17. " " : women | ,, | 227.89 | 262.00 | 244.94 | 13.93 |
| 18. " " : children | ,, | 8.13 | 6.42 | 7.28 | 23.49 |
| 19. " " : total (16 to 18) | ,, | 2285.60 | 2370.90 | 2328.25 | 3.66 |
| 20. number of employees other than workers | ,, | 350.10 | 346.60 | 348.35 | 1.00 |
| 21. total number of persons employed (19+20) | ,, | 2635.70 | 2717.50 | 2676.60 | 3.06 |
| 22. total man hours worked | hours (lakhs) | 49109.33 | 50000.69 | 49555.01 | 1.80 |
| 23. salaries and wages to workers : men | rupees (lakhs) | 21210.98 | 21119.10 | 21165.04 | 0.43 |
| 24. " " : women | ,, | 1194.60 | 1235.59 | 1215.15 | 3.37 |
| 25. " " : children | ,, | 20.87 | 17.95 | 19.41 | 15.04 |
| 26. " " : total(23 to 25) | ,, | 22426.45 | 22372.64 | 22399.60 | 0.24 |
| 27. payment to employees through contractors | ,, | 523.16 | 478.01 | 500.52 | 9.02 |
| 28. payment to employees other than workers | ,, | 7311.23 | 6666.29 | 6988.78 | 9.23 |
| 29. value of other benefits (in kind) | ,, | 342.45 | 386.56 | 364.50 | 12.10 |
| 30. contribution to provident fund | ,, | 1149.99 | 1047.52 | 1098.76 | 9.33 |
| 31. group benefits | ,, | 471.65 | 382.57 | 427.11 | 20.86 |
| 32. total payment to all employees (26 to 31) | ,, | 32224.93 | 31333.59 | 31779.27 | 2.80 |

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TABLE 10 (Contd.) : ESTIMATES OF SELECTED ITEMS BY SUB-SAMPLES IN FACTORIES
USING POWER FOR ALL INDUSTRIES : 1953

| item | unit | sub- sample 1 | sub- sample 2 | combined | percentage difference |
|---|-----------------|------------------|------------------|----------|--------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) |
| 33. number provided with housing accommodation : workers | number (000) | 406.54 | 472.46 | 439.50 | 15.00 |
| 34. " " : persons other than workers | ,, | 76.66 | 93.95 | 85.31 | 20.00 |
| 35. total (33+34) | ,, | 483.20 | 566.41 | 524.81 | 15.86 |
| <i>(iv) input</i> | | | | | |
| 36. value of consumption : coke and coal | rupees (crores) | 38.02 | 35.47 | 36.74 | 6.94 |
| 37. " " : petroleum | ,, | 0.68 | 0.90 | 0.79 | 27.85 |
| 38. " " : electricity | ,, | 18.13 | 16.68 | 17.41 | 8.33 |
| 39. " " : other fuels and lubricants | ,, | 21.08 | 16.33 | 18.70 | 25.40 |
| 40. " " : others | ,, | 4.73 | 5.96 | 5.35 | 22.99 |
| 41. value of total fuels, lubricants and electri- city (36—40) | ,, | 82.64 | 75.34 | 78.99 | 9.24 |
| 42. value of consumptions : basic materials | ,, | 1043.57 | 975.63 | 1009.70 | 6.73 |
| 43. " " : chemicals | ,, | 43.58 | 46.15 | 44.86 | 5.73 |
| 44. " " : packing materials | ,, | 48.88 | 44.02 | 46.45 | 10.46 |
| 45. " " : other raw materials | ,, | 71.74 | 70.69 | 71.22 | 1.47 |
| 46. total raw materials (42—45) | ,, | 1207.77 | 1136.49 | 1172.13 | 6.08 |
| 47. work done for the factory by other concerns | ,, | 9.68 | 19.92 | 14.80 | 69.19 |
| 48. value of total input (41+46+47) | ,, | 1300.09 | 1231.75 | 1265.92 | 5.40 |
| <i>(v) output and value added</i> | | | | | |
| 49. value of production : major products | ,, | 1819.84 | 1735.29 | 1777.56 | 4.76 |
| 50. " " : by-products | ,, | 64.68 | 62.06 | 63.37 | 4.13 |
| 51. " " : subsidiary products | ,, | 4.91 | 4.70 | 65.31 | 22.79 |
| 52. " " : all products (49—51) | ,, | 1890.43 | 1802.05 | 1846.24 | 4.79 |
| 53. work done by the factory for other concerns | ,, | 69.56 | 70.30 | 69.93 | 1.06 |
| 54. value of total output (52+53) | ,, | 1959.99 | 1872.35 | 1916.17 | 4.57 |
| 55. value added (54—48) | ,, | 659.90 | 640.60 | 650.25 | 2.97 |
| 56. number of sample factories | | 2043 | 2043 | 2959 | |

Manufacturing Industries : 1953

TABLE 11: ESTIMATES OF SELECTED ITEMS BY SUB-SAMPLES IN FACTORIES NOT USING POWER FOR ALL INDUSTRIES: 1953

| 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) | 1.30 | 2.38 | 1.84 | 58.70 |
| 2. value of building | ,, | 6.22 | 4.94 | 5.58 | 22.94 |
| 3. value of land and building (1+2) | ,, | 7.52 | 7.32 | 7.42 | 2.70 |
| 4. value of plant and machinery | ,, | 2.25 | 2.27 | 2.25 | 1.33 |
| 5. value of other fixed assets | ,, | 1.97 | 2.24 | 2.11 | 12.80 |
| 6. value of total fixed capital (3 to 5) | ,, | 11.73 | 11.83 | 11.78 | 0.85 |
| 7. value of raw materials, fuels etc. | ,, | 11.16 | 14.48 | 12.82 | 25.90 |
| 8. value of products (finished and semi-finished) | ,, | 11.61 | 13.09 | 12.36 | 11.89 |
| 9. cash in hand and at bank | ,, | 2.62 | 2.91 | 2.76 | 10.51 |
| 10. total working capital (7 to 9) | ,, | 25.40 | 30.48 | 27.94 | 18.18 |
| 11. total invested capital (6+10) | ,, | 37.13 | 42.31 | 39.72 | 13.04 |
| 12. rent etc. paid on total fixed capital | ,, | 0.28 | 0.35 | 0.32 | 21.88 |
| <i>(ii) intensity of work (per factory)</i> | | | | | |
| 13. average number of working days in a year | number | 204.90 | 207.44 | 206.20 | 1.23 |
| 14. average number of shifts per day | ,, | 0.88 | 0.78 | 0.83 | 12.05 |
| 15. average length of shifts | hours | 6.48 | 6.03 | 6.25 | 7.20 |
| <i>(iii) volume of work</i> | | | | | |
| 16. workers employed : men | number (000) | 161.59 | 154.26 | 157.92 | 4.64 |
| 17. " " : women | ,, | 105.05 | 126.06 | 115.56 | 18.18 |
| 18. " " : children | ,, | 8.58 | 9.64 | 9.11 | 11.64 |
| 19. " " : total (16 to 18) | ,, | 275.22 | 289.96 | 282.59 | 5.22 |
| 20. number of employees other than workers | ,, | 23.36 | 22.32 | 22.84 | 4.55 |
| 21. total number of persons employed (19+20) | ,, | 298.58 | 312.28 | 305.53 | 4.49 |
| 22. total man-hours worked | hours (lakhs) | 5507.11 | 6175.61 | 5841.37 | 11.44 |
| 23. salaries and wages to workers | | | | | |
| " " : men | rupees (lakhs) | 820.95 | 775.75 | 798.35 | 5.66 |
| 24. " " : women | ,, | 289.73 | 380.53 | 335.14 | 27.10 |
| 25. " " : children | ,, | 19.60 | 13.83 | 16.72 | 34.51 |
| 26. " " : total (23 to 25) | ,, | 1130.28 | 1170.12 | 1150.21 | 3.46 |
| 27. payment to employees through contractors | ,, | 234.77 | 447.96 | 341.35 | 62.45 |
| 28. payment to employees other than workers | ,, | 265.56 | 278.19 | 271.88 | 4.65 |
| 29. value of other benefits (in kind) | ,, | 3.17 | 10.03 | 6.60 | 103.94 |

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TABLE 11 (Contd.): ESTIMATES OF SELECTED ITEMS BY SUB-SAMPLES IN FACTORIES NOT USING POWER ALL INDUSTRIES: 1953

| item | unit | sub- sample 1 | sub- sample 2 | combined | percentage difference |
|--|-----------------|------------------|------------------|----------|--------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) |
| 30. contribution to provident fund | rupees (lakhs) | 7.20 | 3.78 | 5.49 | 62.30 |
| 31. group benefits | ,, | 6.69 | 3.99 | 5.34 | 50.56 |
| 32. total payment to all employees (26 to 31) | ,, | 1647.67 | 1914.07 | 1780.87 | 14.96 |
| 33. number provided with housing accommodation : workers | number (000) | 58.46 | 99.54 | 79.00 | 52.00 |
| 34. " " : persons other than workers | ,, | 36.50 | 13.50 | 25.00 | 92.00 |
| 35. total (33+34) | ,, | 94.96 | 113.04 | 104.00 | 17.38 |
| <i>(iv) input</i> | | | | | |
| 36. value of consumption : coke and coal | rupees (crores) | 0.77 | 0.77 | 0.77 | 0.00 |
| 37. " " : petroleum | ,, | 0.03 | 0.02 | 0.03 | 33.33 |
| 38. " " : electricity | ,, | 0.04 | 0.08 | 0.06 | 66.67 |
| 39. " " : other fuel and lubricants | ,, | 0.15 | 0.12 | 0.13 | 23.08 |
| 40. " " : others | ,, | 0.40 | 0.62 | 0.51 | 43.14 |
| 41. value of total fuels, lubricants and electricity (36 to 40) | ,, | 1.40 | 1.61 | 1.50 | 14.67 |
| 42. value of consumption : basic materials | ,, | 75.34 | 156.98 | 116.16 | 70.28 |
| 43. " " : chemicals | ,, | 1.82 | 1.80 | 1.81 | 1.10 |
| 44. " " : packing materials | ,, | 3.61 | 4.41 | 4.01 | 19.95 |
| 45. " " : other raw materials | ,, | 1.03 | 10.80 | 5.91 | 165.31 |
| 46. total raw materials (42 to 45) | ,, | 81.79 | 173.99 | 127.89 | 72.09 |
| 47. work done for the factory by other concerns | ,, | 11.43 | 3.80 | 7.61 | 100.26 |
| 48. value of total input (41+46+47) | ,, | 94.62 | 179.40 | 137.00 | 61.88 |
| <i>(v) output and value added</i> | | | | | |
| 49. value of production : major products | ,, | 120.80 | 207.77 | 164.29 | 52.94 |
| 50. " " : by-products | ,, | 0.33 | 0.70 | 0.51 | 72.55 |
| 51. " " : subsidiary products | ,, | — | 0.11 | 0.05 | 220.00 |
| 52. " " : all products (49 to 51) | ,, | 121.12 | 208.57 | 164.85 | 53.05 |
| 53. work done by the factory for other concerns | ,, | 3.38 | 3.41 | 3.49 | 5.16 |
| 54. value of total output (52+53) | ,, | 124.70 | 211.98 | 168.34 | 51.84 |
| 55. value added (54—48) | ,, | 30.08 | 32.58 | 31.34 | 7.95 |
| 56. number of sample factories | | 235 | 235 | 419 | |

Manufacturing Industries : 1953

TABLE 12 : ESTIMATES OF SELECTED ITEMS BY SUB-SAMPLES IN ALL FACTORIES
FOR ALL INDUSTRIES : 1953

| 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) | 39.52 | 38.56 | 39.04 | 2.46 |
| 2. value of building | ,, | 233.17 | 218.41 | 225.79 | 6.54 |
| 3. value of land and building(1+2) | ,, | 272.69 | 256.97 | 264.83 | 5.94 |
| 4. value of plant and machinery | ,, | 505.63 | 437.33 | 471.48 | 14.49 |
| 5. value of other fixed assets | ,, | 74.58 | 89.83 | 82.21 | 18.55 |
| 6. value of total fixed capital (3 to 5) | ,, | 852.90 | 784.13 | 818.52 | 8.40 |
| 7. value of raw materials, fuels etc. | ,, | 333.77 | 316.02 | 324.90 | 5.46 |
| 8. value of products (finished and semi-finished) | ,, | 277.22 | 291.07 | 284.15 | 4.88 |
| 9. cash in hand and at bank | ,, | 90.72 | 77.02 | 83.86 | 16.34 |
| 10. total working capital (7 to 9) | ,, | 701.71 | 684.11 | 692.91 | 2.54 |
| 11. total (6+10) | ,, | 1554.61 | 1468.24 | 1511.43 | 5.71 |
| 12. rent etc. paid on total fixed capital | ,, | 4.30 | 4.86 | 4.58 | 12.23 |
| <i>(ii) intensity of work (per factory)</i> | | | | | |
| 13. average number of working days in a year | number | 220.04 | 219.95 | 220.00 | 0.04 |
| 14. average number of shifts per day | ,, | 1.13 | 1.12 | 1.13 | 0.88 |
| 15. average length of shift | hours | 6.83 | 6.86 | 6.85 | 0.44 |
| <i>(iii) volume of work</i> | | | | | |
| 16. workers employed : men | number (000) | 2211.17 | 2256.74 | 2233.95 | 2.04 |
| 17. " " : women | ,, | 332.94 | 388.06 | 360.50 | 15.29 |
| 18. " " : children | ,, | 16.71 | 16.07 | 16.39 | 3.97 |
| 19. " " total (16 to 18) | ,, | 2560.82 | 2660.86 | 2610.84 | 3.83 |
| 20. number of employees other than workers | ,, | 373.46 | 368.92 | 371.19 | 1.77 |
| 21. total number of persons employed (19+20) | ,, | 2934.28 | 3029.78 | 2982.03 | 3.20 |
| 22. total man-hours worked | hours (lakhs) | 54616.44 | 56176.31 | 55396.38 | 2.82 |
| 23. salaries and wages to workers : men | rupees (lakhs) | 22031.93 | 21894.85 | 21963.39 | 0.62 |
| 24. " " " : women | ,, | 1484.33 | 1616.13 | 1550.29 | 8.50 |
| 25. " " " : children | ,, | 40.47 | 31.78 | 36.13 | 24.05 |
| 26. " " " : total(23 to 25) | ,, | 23556.73 | 23542.76 | 23549.81 | 0.06 |
| 27. payment to employees through contractors | ,, | 757.93 | 925.97 | 841.87 | 19.96 |
| 28. payment to employees other than workers | ,, | 7576.79 | 6944.48 | 7260.66 | 8.71 |

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TABLE 12 (Contd.) : ESTIMATES OF SELECTED ITEMS BY SUB-SAMPLES IN ALL
FACTORIES FOR ALL INDUSTRIES : 1953

| item | unit | sub- sample 1 | sub- sample 2 | combined | percentage difference |
|--|----------------|------------------|------------------|----------|--------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) |
| 29. value of other benefits (in kind) | rupees (lakhs) | 345.62 | 396.59 | 371.10 | 13.73 |
| 30. contribution to provident fund | " | 1157.19 | 1051.30 | 1104.25 | 9.56 |
| 31. group benefits | " | 478.34 | 386.56 | 432.45 | 21.22 |
| 32. total payment to all employees (26 to 31) | " | 33872.60 | 33247.66 | 33560.14 | 1.86 |
| 33. number provided with housing accommodation : workers | number (000) | 465.00 | 572.00 | 518.50 | 20.64 |
| 34. " " : persons other than workers | " | 113.16 | 107.45 | 110.31 | 5.18 |
| 35. total (33+34) | " | 578.16 | 679.45 | 628.81 | 16.11 |
| <i>(iv) input</i> | | | | | |
| 36. value of consumption : coke and coal | rupees (lakhs) | 38.79 | 36.24 | 37.51 | 6.80 |
| 37. " " " : petroleum | " | 0.71 | 0.92 | 0.82 | 25.61 |
| 38. " " " : electricity | " | 18.71 | 16.76 | 17.47 | 8.07 |
| 39. " " " : other fuels and lubri- cants | " | 21.23 | 16.45 | 18.84 | 25.37 |
| 40. " " " : others | " | 5.13 | 6.58 | 5.86 | 24.74 |
| 41. value of total fuels, lubricants and electricity (36 to 40) | " | 84.04 | 76.95 | 80.49 | 8.80 |
| 42. value of consumption : basic materials | " | 1118.91 | 1132.61 | 1125.76 | 1.22 |
| 43. " " " : chemicals | " | 45.40 | 47.95 | 46.68 | 5.46 |
| 44. " " " : packing materials | " | 52.49 | 48.43 | 550.46 | 8.05 |
| 45. " " " : other raw materials | " | 72.77 | 81.49 | 77.13 | 11.31 |
| 46. total raw materials (42 to 45) | " | 1289.56 | 1310.48 | 1300.02 | 1.61 |
| 47. work done for the factory by other concerns (value) | " | 21.11 | 23.72 | 22.41 | 11.65 |
| 48. value of total input (41+46+47) | " | 1394.71 | 1411.15 | 1402.92 | 1.17 |
| <i>(v) output and value added</i> | | | | | |
| 49. value of production : major products | " | 1940.64 | 1943.06 | 1941.85 | 0.12 |
| 50. " " " : by products | " | 65.01 | 62.72 | 63.88 | 3.52 |
| 51. " " " : subsidiary products | " | 5.91 | 4.81 | 5.36 | 20.52 |
| 52. " " " : all products (49 to 51) | " | 2011.55 | 2010.62 | 2011.09 | 0.05 |
| 53. work done by the factory for other concerns (value) | " | 73.14 | 73.71 | 73.42 | 0.76 |
| 54. value of total output (52+53) | " | 2084.69 | 2084.33 | 2084.51 | 0.02 |
| 55. value added (54-48) | " | 689.98 | 673.18 | 681.59 | 2.47 |
| 56. number of sample factories | | 2278 | 2278 | 3378 | |

Manufacturing Industries : 1953

TABLE 13 : ESTIMATES OF FIXED CAPITAL IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| number | CMI classification description | sample size (number of factories) | | | item : fixed 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) |
| 1. | 1 wheat flour | 31 | 31 | 43 | 264.59 | 220.73 | 242.66 | 0.30 |
| 2. | 2 rice milling | 125 | 125 | 217 | 1182.72 | 987.20 | 1085.00 | 1.34 |
| 3. | 3 biscuit making | 13 | 13 | 20 | 445.94 | 352.64 | 399.29 | 0.49 |
| 4. | 4 fruits and vegetable processing | 8 | 8 | 10 | 83.76 | 178.29 | 131.02 | 0.16 |
| 5. | 5a sugar : vacuum pan factories | 83 | 83 | 96 | 2793.00 | 2001.36 | 2397.18 | 2.96 |
| 6. | 5b ,, : refineries | 3 | 3 | 4 | 31.17 | 31.17 | 31.17 | 0.04 |
| 7. | 5c ,, : gur factories | 10 | 10 | 18 | 99.82 | 147.85 | 123.84 | 0.15 |
| 8. | 6 distilleries and breweries | 14 | 14 | 19 | 173.67 | 330.34 | 252.00 | 0.31 |
| 9. | 7 starch | 10 | 10 | 15 | 197.32 | 21.45 | 109.39 | 0.14 |
| 10. | 8 vegetable (oil including hydro- genated oil) | 171 | 172 | 277 | 2620.82 | 2790.44 | 2705.63 | 3.45 |
| 11. | 9 paints and varnishes | 12 | 12 | 18 | 128.26 | 135.02 | 131.64 | 0.16 |
| 12. | 10 soap | 23 | 23 | 26 | 537.29 | 313.80 | 425.55 | 0.53 |
| 13. | 11 tanning | 32 | 32 | 47 | 125.82 | 111.38 | 118.80 | 0.15 |
| 14. | 12 cement | 19 | 19 | 19 | 1366.79 | 1366.79 | 1366.79 | 1.69 |
| 15. | 13 glass and glassware | 27 | 27 | 40 | 741.04 | 630.07 | 685.56 | 0.85 |
| 16. | 14 ceramics | 14 | 14 | 17 | 680.65 | 412.44 | 546.54 | 0.68 |
| 17. | 15 plywood and tea chests | 14 | 14 | 19 | 176.02 | 173.34 | 174.68 | 0.22 |
| 18. | 16 paper and paper board | 41 | 14 | 44 | 1404.61 | 1383.32 | 1393.96 | 1.73 |
| 19. | 17 matches | 25 | 25 | 30 | 193.67 | 179.79 | 186.73 | 0.23 |
| 20. | 18 cotton textiles : unclassified | 7 | 7 | 9 | 379.57 | 380.52 | 380.04 | 0.47 |
| 21. | 18a ,, : spinning mills | 29 | 29 | 36 | 1245.06 | 1621.54 | 1433.30 | 1.78 |
| 22. | 18b ,, : composite mills | 167 | 167 | 188 | 9031.99 | 8403.85 | 87.1792 | 10.80 |
| 23. | 18c ,, : powerloom mills | 12 | 12 | 22 | 266.55 | 336.34 | 303.44 | 0.37 |
| 24. | 19 woollen textiles | 20 | 20 | 25 | 290.14 | 554.28 | 422.21 | 0.52 |
| 25. | 20 jute textiles | 56 | 56 | 67 | 3426.06 | 3025.66 | 3225.86 | 4.00 |
| 26. | 21 chemicals (including drugs) | 46 | 46 | 62 | 4263.47 | 4400.13 | 4581.80 | 5.67 |
| 27. | 22a aluminium, copper and brass : primary products | 6 | 6 | 7 | 334.26 | 333.03 | 333.64 | 0.41 |
| 28. | 22b ,, ,, : secondary products | 44 | 58 | 58 | 499.18 | 496.19 | 479.69 | 0.62 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 2891.94 | 2891.94 | 2891.94 | 3.57 |
| 30. | 23b ,, ,, : secondary products | 59 | 59 | 91 | 1528.02 | 1504.61 | 1516.31 | 1.88 |
| 31. | 24 bicycles | 13 | 13 | 17 | 157.86 | 154.99 | 156.43 | 0.19 |
| 32. | 25 sewing machines | 8 | 8 | 9 | 91.10 | 89.56 | 90.33 | 0.11 |
| 33. | 27 electric lamps | 7 | 7 | 7 | 88.20 | 88.20 | 88.20 | 0.11 |
| 34. | 28 electric fans | 8 | 8 | 9 | 127.48 | 100.32 | 113.90 | 0.14 |

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TABLE 13 (Contd.) : ESTIMATES OF FIXED CAPITAL IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| 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 | 17 | 17 | 26 | 438.17 | 739.97 | 589.07 | 0.73 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 644.07 | 681.73 | 662.90 | 0.82 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 2578.13 | 1481.75 | 1979.95 | 2.44 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 112.55 | 137.27 | 124.91 | 0.15 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 516.26 | 610.28 | 563.27 | 0.70 |
| 40. 32 | enamelware | 3 | 3 | 5 | 30.59 | 35.37 | 32.89 | 0.04 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 70.84 | 124.42 | 97.63 | 0.12 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 30.56 | 30.56 | 30.56 | 0.03 |
| 43. 35 | bricks, tiles, lime and surki manufacturing | 12 | 12 | 21 | 312.11 | 271.46 | 291.78 | 0.36 |
| 44. 36 | lac | 7 | 7 | 9 | 55.48 | 48.88 | 52.18 | 0.06 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 6.27 | 6.27 | 6.27 | 0.01 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 145.01 | 178.25 | 161.63 | 0.20 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 84.73 | 84.73 | 84.73 | 0.11 |
| 48. 40 | saw milling | 21 | 21 | 31 | 212.10 | 207.06 | 209.58 | 0.26 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 84.10 | 343.49 | 213.79 | 0.27 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 5225.71 | 6689.29 | 5957.51 | 7.37 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 479.65 | 483.28 | 481.46 | 0.60 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 180.67 | 242.80 | 211.73 | 0.27 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 1701.05 | 1501.82 | 1601.44 | 1.99 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 92.47 | 91.83 | 92.04 | 0.11 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 185.64 | 144.88 | 165.26 | 0.20 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 4.32 | 4.32 | 4.32 | 0.01 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 244.98 | 357.46 | 301.22 | 0.37 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 16.41 | 12.35 | 14.38 | 0.20 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 1876.99 | 1592.50 | 1734.75 | 2.15 |
| 60. 52 | rope making | 6 | 6 | 7 | 27.35 | 28.23 | 27.79 | 0.03 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 579.45 | 1785.08 | 1182.27 | 1.47 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 210.24 | 212.15 | 211.20 | 0.26 |
| 63. 55 | electricity generation and transformation | 24 | 24 | 35 | 22048.48 | 14333.70 | 18191.09 | 22.53 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 1616.64 | 1734.46 | 1675.55 | 2.08 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 408.55 | 410.99 | 409.77 | 0.63 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 152.13 | 152.13 | 152.13 | 0.19 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 240.19 | 277.82 | 259.01 | 0.32 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 5237.46 | 6045.31 | 5641.39 | 6.98 |
| 69. | all industries | 2043 | 2043 | 2959 | 84117.20 | 77230.35 | 80673.78 | 100.00 |

Manufacturing Industries : 1953

TABLE 14 : ESTIMATES OF WORKING CAPITAL IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| 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 | 31 | 31 | 43 | 246.43 | 177.11 | 211.77 | 0.32 |
| 2. 2 | rice milling | 125 | 125 | 217 | 1382.94 | 925.66 | 1154.30 | 1.74 |
| 3. 3 | biscuit making | 13 | 13 | 20 | 105.35 | 108.76 | 107.55 | 0.16 |
| 4. 4 | fruits and vegetable processing | 8 | 8 | 10 | 26.31 | 125.55 | 75.93 | 0.11 |
| 5. 5a | sugar : vacuum pan factory | 83 | 83 | 96 | 4474.96 | 3711.05 | 4093.01 | 6.16 |
| 6. 5b | „ : refineries | 3 | 3 | 4 | 43.31 | 43.31 | 43.31 | 0.07 |
| 7. 5c | „ : gur factories | 10 | 10 | 18 | 2.18 | 28.88 | 15.53 | 0.02 |
| 8. 6 | distilleries and breweries | 14 | 14 | 19 | 302.93 | 337.22 | 320.08 | 0.48 |
| 9. 7 | starch | 10 | 10 | 15 | 230.08 | 20.47 | 125.28 | 0.19 |
| 10. 8 | vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 1636.91 | 2150.89 | 1893.89 | 2.85 |
| 11. 9 | paints and varnishes | 12 | 12 | 18 | 290.10 | 526.78 | 408.44 | 0.61 |
| 12. 10 | soap | 23 | 23 | 26 | 582.90 | 602.03 | 592.56 | 0.89 |
| 13. 11 | tanning | 32 | 32 | 47 | 246.29 | 321.42 | 283.85 | 0.43 |
| 14. 12 | cement | 19 | 19 | 19 | 863.41 | 863.41 | 863.41 | 1.30 |
| 15. 13 | glass and glassware | 27 | 27 | 40 | 256.18 | 242.08 | 249.13 | 0.37 |
| 16. 14 | ceramics | 14 | 14 | 17 | 195.53 | 191.39 | 193.46 | 0.29 |
| 17. 15 | plywood and tea chests | 14 | 14 | 19 | 95.17 | 83.60 | 89.39 | 0.13 |
| 18. 16 | paper and paper board | 41 | 41 | 44 | 729.56 | 727.23 | 728.40 | 1.10 |
| 19. 17 | matches | 25 | 25 | 30 | 225.41 | 220.33 | 222.87 | 0.34 |
| 20. 18 | cotton textiles : unclassified | 7 | 7 | 9 | 379.18 | 404.21 | 391.70 | 0.59 |
| 21. 18a | „ : spinning mills | 29 | 29 | 36 | 1540.72 | 1825.58 | 1683.15 | 2.53 |
| 22. 18b | „ : composite mills | 167 | 167 | 188 | 15039.99 | 14149.19 | 14590.99 | 21.92 |
| 23. 18c | „ : powerloom mills | 12 | 12 | 22 | 528.78 | 593.42 | 561.10 | 0.84 |
| 24. 19 | woollen textiles | 20 | 20 | 25 | 613.41 | 1003.00 | 808.20 | 1.22 |
| 25. 20 | jute textiles | 56 | 56 | 67 | 4020.18 | 3439.26 | 3729.72 | 5.60 |
| 26. 21 | chemicals (including drugs) | 46 | 46 | 62 | 3157.86 | 2226.08 | 2691.97 | 4.05 |
| 27. 22a | aluminium, copper and brass : primary products | 6 | 6 | 7 | 270.15 | 270.17 | 270.16 | 0.41 |
| 28. 22b | „ : secondary products | 44 | 44 | 58 | 568.87 | 574.95 | 571.91 | 0.86 |
| 29. 23a | iron and steel : primary products | 7 | 7 | 8 | 2787.69 | 2787.69 | 2787.69 | 4.19 |
| 30. 23b | „ : secondary products | 59 | 59 | 91 | 1602.43 | 1832.40 | 1717.42 | 2.58 |
| 31. 24 | bicycles | 13 | 13 | 17 | 102.53 | 100.66 | 101.60 | 0.15 |
| 32. 25 | sewing machines | 8 | 8 | 9 | 73.80 | 73.50 | 73.66 | 0.11 |
| 33. 27 | electric lamps | 7 | 7 | 7 | 72.57 | 72.57 | 72.57 | 0.11 |
| 34. 28 | electric fans | 8 | 8 | 9 | 198.13 | 181.89 | 190.01 | 0.29 |

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TABLE 14 (Contd.) : ESTIMATES OF WORKING CAPITAL IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| number | CMI classification description | sample size (number of factories) | | | item : working capital unit : lakhs or 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 | 17 | 17 | 26 | 598.30 | 1097.76 | 848.03 | 1.28 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 288.18 | 355.02 | 321.60 | 0.48 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 1937.67 | 1417.39 | 1677.53 | 2.52 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 229.33 | 230.38 | 229.86 | 0.35 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 708.65 | 841.96 | 775.31 | 1.17 |
| 40. 32 | enamelware | 3 | 3 | 5 | 26.90 | 28.17 | 27.54 | 0.04 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 76.05 | 147.61 | 111.83 | 0.17 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 95.84 | 95.84 | 95.84 | 0.14 |
| 43. 35 | bricks, tiles, lime and surki manu- facturing | 12 | 12 | 21 | 150.94 | 83.72 | 117.33 | 0.18 |
| 44. 36 | lac | 7 | 7 | 9 | 24.13 | 37.60 | 39.87 | 0.06 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 72.07 | 72.07 | 72.07 | 0.11 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 47.51 | 169.29 | 108.40 | 0.16 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 56.25 | 56.25 | 56.25 | 0.08 |
| 48. 40 | saw milling | 21 | 21 | 31 | 78.84 | 176.99 | 127.92 | 0.19 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 59.02 | 113.09 | 86.06 | 0.13 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 4852.48 | 4664.99 | 4158.91 | 6.25 |
| 51. 43 | tobacco products | 5 52 | 52 | 58 | 1256.02 | 1225.36 | 1240.69 | 1.87 |
| 52. 44 | groundnut decortivating etc. | 29 | 29 | 44 | 222.73 | 362.52 | 292.63 | 0.44 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 1509.33 | 1291.00 | 1400.16 | 2.11 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 101.46 | 94.75 | 98.11 | 0.15 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 98.46 | 256.74 | 177.60 | 0.27 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 6.86 | 6.86 | 6.86 | 0.01 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 137.67 | 150.48 | 144.08 | 0.22 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 67.03 | 53.76 | 60.40 | 0.09 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 600.97 | 294.82 | 447.89 | 0.67 |
| 60. 52 | rope making | 6 | 6 | 7 | 71.97 | 69.26 | 70.62 | 0.11 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 585.15 | 1229.59 | 1257.37 | 0.89 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 32.90 | 31.52 | 32.31 | 0.05 |
| 63. 55 | electricity generation and trans- formation | 24 | 24 | 35 | 4249.16 | 2672.21 | 3460.68 | 5.20 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 1270.38 | 1972.43 | 1621.40 | 2.44 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 577.92 | 592.81 | 585.36 | 0.88 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 462.75 | 462.75 | 462.75 | 0.70 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 129.87 | 184.76 | 157.31 | 0.24 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 4045.51 | 4381.52 | 4213.52 | 6.34 |
| 69. | all industries | 2043 | 2043 | 2959 | 67630.90 | 65363.01 | 66497.00 | 100.00 |

Manufacturing Industries : 1953

TABLE 15 : ESTIMATES OF FIXED AND WORKING CAPITAL IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| number | CMI classification description | sample size (number of factories) | | | item : fixed and working capital 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) |
| 1. | 1 wheat flour | 31 | 31 | 43 | 511.02 | 397.84 | 454.43 | 0.31 |
| 2. | 2 rice milling | 125 | 125 | 217 | 2565.66 | 1912.94 | 2239.30 | 1.52 |
| 3. | 3 biscuit making | 13 | 13 | 20 | 552.29 | 461.40 | 506.84 | 0.34 |
| 4. | 4 fruits and vegetable processing | 8 | 8 | 10 | 110.07 | 303.84 | 206.96 | 0.14 |
| 5. | 5a sugar : vacuum pan factory | 83 | 83 | 96 | 7267.96 | 5712.41 | 6490.19 | 4.41 |
| 6. | 5b ,, : refineries | 3 | 3 | 4 | 74.49 | 74.49 | 74.49 | 0.05 |
| 7. | 5c ,, : gur factories | 10 | 10 | 18 | 102.00 | 176.73 | 139.37 | 0.09 |
| 8. | 6 distilleries and breweries | 14 | 14 | 19 | 476.60 | 667.56 | 572.08 | 0.39 |
| 9. | 7 starch | 10 | 10 | 15 | 427.42 | 41.92 | 234.67 | 0.16 |
| 10. | 8 vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 4262.73 | 4941.33 | 4599.53 | 3.12 |
| 11. | 9 paints and varnishes | 12 | 12 | 18 | 418.36 | 661.80 | 540.08 | 0.37 |
| 12. | 10 soap | 23 | 23 | 26 | 1120.19 | 915.83 | 1018.01 | 0.69 |
| 13. | 11 tanning | 32 | 32 | 47 | 371.11 | 432.79 | 402.45 | 0.27 |
| 14. | 12 cement | 19 | 19 | 19 | 2230.19 | 2230.19 | 2230.19 | 1.52 |
| 15. | 13 glass and glassware | 27 | 27 | 40 | 997.22 | 872.15 | 934.69 | 0.64 |
| 16. | 14 ceramics | 14 | 14 | 17 | 876.18 | 603.83 | 740.01 | 0.50 |
| 17. | 15 plywood and tea chests | 14 | 14 | 19 | 271.19 | 256.94 | 264.09 | 0.18 |
| 18. | 16 paper and paper board | 41 | 41 | 44 | 2134.17 | 2110.55 | 2122.36 | 1.44 |
| 19. | 17 matches | 25 | 25 | 30 | 419.08 | 400.12 | 409.60 | 0.28 |
| 20. | 18 cotton textiles : unclassified | 7 | 7 | 9 | 758.75 | 784.74 | 771.74 | 0.52 |
| 21. | 18a ,, : spinning mills | 29 | 29 | 36 | 2785.78 | 3447.12 | 3116.45 | 2.12 |
| 22. | 18b ,, : composite mills | 167 | 167 | 188 | 24062.98 | 22553.04 | 23308.01 | 15.83 |
| 23. | 18c ,, : powerloom mills | 12 | 12 | 22 | 795.33 | 929.76 | 862.54 | 0.59 |
| 24. | 19 woollen textiles | 20 | 20 | 25 | 903.55 | 1557.28 | 1230.41 | 0.84 |
| 25. | 20 jute textiles | 56 | 56 | 67 | 7446.24 | 6464.92 | 9655.58 | 4.73 |
| 26. | 21 chemicals (including drugs) | 46 | 46 | 62 | 7921.33 | 6626.21 | 7273.77 | 4.94 |
| 27. | 22 aluminium, copper and brass : primary products | 6 | 6 | 7 | 604.41 | 603.20 | 603.80 | 0.41 |
| 28. | 22b ,, ,, : secondary products | 44 | 44 | 58 | 1068.05 | 1071.14 | 1069.60 | 0.73 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 5679.63 | 5679.63 | 5679.63 | 2.86 |
| 30. | 23b ,, : secondary products | 59 | 59 | 91 | 3130.45 | 3337.01 | 3233.73 | 2.20 |
| 31. | 24 bicycles | 13 | 13 | 17 | 260.39 | 255.65 | 258.03 | 0.18 |
| 32. | 25 sewing machines | 8 | 8 | 9 | 164.90 | 163.06 | 163.99 | 0.11 |
| 33. | 27 electric lamps | 7 | 7 | 7 | 160.17 | 160.77 | 160.77 | 0.11 |

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TABLE 15 (Contd.):- ESTIMATES OF FIXED AND WORKING CAPITAL IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| number | CMI classification description | sample size (number of factories) | | | item : fixed and working capital unit : lakhs of rupees | | | percen- tage 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) |
| 34. 28 | electric fans | 8 | 8 | 9 | 325.61 | 282.21 | 303.91 | 0.21 |
| 35. 29 | general engineering and electrical engineering : unspecified | 17 | 17 | 26 | 1036.47 | 1837.73 | 1437.10 | 0.98 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 932.25 | 1036.75 | 984.50 | 0.67 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 4415.80 | 2899.15 | 3657.48 | 2.49 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 341.88 | 367.64 | 354.76 | 0.24 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 1224.91 | 1452.24 | 1338.58 | 0.91 |
| 40. 32 | enamelware | 3 | 3 | 5 | 57.50 | 63.54 | 60.52 | 0.04 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 146.89 | 272.03 | 209.46 | 0.14 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 126.40 | 126.40 | 126.40 | 0.09 |
| 43. 35 | bricks, tiles, lime and surki manu- facturing | 12 | 12 | 21 | 463.05 | 355.18 | 309.11 | 0.28 |
| 44. 36 | lac | 7 | 7 | 9 | 97.61 | 86.48 | 92.05 | 0.06 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 78.33 | 78.33 | 78.33 | 0.05 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 192.54 | 347.54 | 270.43 | 0.18 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 140.97 | 140.97 | 140.97 | 0.10 |
| 48. 40 | saw milling | 21 | 21 | 31 | 290.94 | 384.05 | 337.50 | 0.23 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 143.21 | 456.58 | 299.85 | 0.20 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 17855.55 | 10154.28 | 10116.42 | 6.87 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 1735.67 | 1706.64 | 1722.15 | 1.17 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 403.40 | 605.32 | 504.36 | 0.34 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 3210.38 | 2792.82 | 3001.60 | 2.04 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 193.91 | 186.39 | 190.15 | 0.13 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 284.10 | 401.62 | 342.86 | 0.23 |
| 56. 48 | thread and thread ball making | 3 | 3 | 3 | 11.18 | 11.18 | 11.18 | 0.01 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 382.65 | 507.93 | 445.30 | 0.30 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 83.44 | 66.11 | 74.78 | 0.05 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 2477.95 | 1887.32 | 2182.64 | 1.48 |
| 60. 52 | rope making | 6 | 6 | 7 | 99.32 | 97.49 | 98.41 | 0.07 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 1164.60 | 3714.67 | 2439.64 | 1.66 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 243.14 | 243.68 | 243.41 | 0.17 |
| 63. 55 | electricity generation and trans- formation | 24 | 24 | 35 | 26297.64 | 17005.91 | 21651.77 | 4.70 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 2887.02 | 3706.89 | 3296.95 | 2.24 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 986.47 | 1003.80 | 995.13 | 0.68 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 614.88 | 614.88 | 614.88 | 0.42 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 370.06 | 462.58 | 416.32 | 0.28 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 9282.97 | 10426.83 | 9854.91 | 5.70 |
| 69. | all industries | 2043 | 2043 | 2959 | 151748.10 | 142593.36 | 147170.78 | 100.00 |

Manufacturing Industries : 1953

TABLE 16 : ESTIMATES OF NUMBER OF WORKING DAYS DURING THE YEAR IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| 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) |
| 1. | 1 wheat flour | 31 | 31 | 43 | 412 | 330 | 371 | 0.70 |
| 2. | 2 rice milling | 125 | 125 | 217 | 3,888 | 4,085 | 3,987 | 7.50 |
| 3. | 3 biscuit making | 13 | 13 | 20 | 454 | 408 | 431 | 0.81 |
| 4. | 4 fruits and vegetable processing | 8 | 8 | 10 | 75 | 77 | 76 | 0.14 |
| 5. | 5a sugar : vacuum pan factory | 83 | 83 | 96 | 143 | 217 | 180 | 0.34 |
| 6. | 5b ,, : refineries | 3 | 3 | 4 | 23 | 23 | 23 | 0.04 |
| 7. | 5c ,, : gur factories | 10 | 10 | 18 | 388 | 386 | 387 | 0.73 |
| 8. | 6 distilleries and breweries | 14 | 14 | 19 | 77 | 203 | 140 | 0.26 |
| 9. | 7 starch | 10 | 10 | 15 | 246 | 55 | 150 | 0.28 |
| 10. | 8 vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 3,057 | 3,259 | 3,158 | 5.94 |
| 11. | 9 paints and varnishes | 12 | 12 | 18 | 157 | 275 | 216 | 0.41 |
| 12. | 10 soap | 23 | 23 | 26 | 222 | 124 | 173 | 0.33 |
| 13. | 11 tanning | 32 | 32 | 47 | 461 | 421 | 441 | 0.83 |
| 14. | 12 cement | 19 | 19 | 19 | 68 | 68 | 68 | 0.13 |
| 15. | 13 glass and glassware | 27 | 27 | 40 | 527 | 239 | 383 | 0.72 |
| 16. | 14 ceramics | 14 | 14 | 7 | 192 | 197 | 194 | 0.36 |
| 17. | 15 plywood and tea chests | 14 | 14 | 19 | 154 | 84 | 119 | 0.22 |
| 18. | 16 paper and paper board | 41 | 41 | 44 | 207 | 221 | 214 | 0.40 |
| 19. | 17 matches | 25 | 25 | 30 | 104 | 115 | 109 | 0.21 |
| 20. | 18 cotton textiles : unclassified | 7 | 7 | 9 | 50 | 49 | 50 | 0.09 |
| 21. | 18a ,, : spinning mills | 29 | 29 | 36 | 327 | 351 | 339 | 0.64 |
| 22. | 18b ,, : composite mills | 167 | 167 | 188 | 808 | 699 | 754 | 1.42 |
| 23. | 18c ,, : powerloom mills | 12 | 12 | 22 | 1,143 | 1,092 | 1,118 | 2.10 |
| 24. | 19 woollen textiles | 20 | 20 | 25 | 169 | 153 | 161 | 0.30 |
| 25. | 20 jute textiles | 56 | 56 | 67 | 228 | 294 | 291 | 0.5 |
| 26. | 21 chemicals (including drugs) | 46 | 46 | 62 | 1,230 | 1,231 | 1,230 | 2.31 |
| 27. | 22a aluminium, copper and brass : | | | | | | | |
| | primary products | 6 | 6 | 7 | 25 | 25 | 25 | 0.05 |
| 28. | 22b ,, ,, : secondary products | 44 | 44 | 58 | 1,066 | 727 | 896 | 1.68 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 23 | 23 | 23 | 0.04 |
| 30. | 23b ,, : secondary products | 59 | 59 | 91 | 2,875 | 2,705 | 2,790 | 5.25 |
| 31. | 24 bicycles | 13 | 13 | 17 | 157 | 168 | 162 | 0.30 |
| 32. | 25 sewing machines | 8 | 8 | 9 | 33 | 40 | 37 | 0.07 |
| 33. | 27 electric lamps | 7 | 7 | 7 | 20 | 20 | 20 | 0.04 |

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TABLE 16 (Contd.) : ESTIMATES OF NUMBER OF WORKING DAYS DURING THE YEAR IN
FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| 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 | 93 | 92 | 92 | 0.17 |
| 35. 29 | general engineering and electrical engineering : unspecified | 17 | 17 | 26 | 1,150 | 1,126 | 1,138 | 2.14 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 1,691 | 1,185 | 1,438 | 2.70 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 2,470 | 2,796 | 2,633 | 4.95 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 105 | 31 | 68 | 0.13 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 37 | 425 | 443 | 343 | 0.82 |
| 40. 32 | enamelware | 3 | 3 | 5 | 61 | 61 | 61 | 0.11 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 116 | 235 | 176 | 0.33 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 15 | 15 | 15 | 0.03 |
| 43. 35 | bricks, tiles, lime and surki manu- facturing | 12 | 12 | 21 | 796 | 657 | 727 | 1.37 |
| 44. 36 | lac | 7 | 7 | 9 | 15 | 32 | 23 | 0.04 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 11 | 11 | 11 | 0.02 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 247 | 229 | 238 | 0.45 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 7 | 7 | 7 | 0.01 |
| 48. 40 | saw milling | 21 | 21 | 31 | 1,589 | 1,187 | 1,388 | 2.61 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 419 | 276 | 348 | 0.65 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 2,820 | 2,669 | 2,744 | 5.16 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 228 | 254 | 241 | 0.45 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 642 | 658 | 650 | 1.22 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 1,157 | 4,050 | 5,104 | 9.60 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 244 | 242 | 243 | 0.46 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 550 | 1,142 | 846 | 1.59 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 65 | 65 | 65 | 0.12 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 354 | 496 | 425 | 0.80 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 78 | 6 | 42 | 0.08 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 2,216 | 1,967 | 2,092 | 3.93 |
| 60. 52 | rope making | 6 | 6 | 7 | 27 | 27 | 27 | 0.05 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 1,249 | 2,085 | 1,667 | 3.13 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 63 | 61 | 62 | 0.12 |
| 63. 55 | electricity generation and trans- formation | 24 | 24 | 35 | 1,274 | 1,245 | 1,245 | 2.34 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 2,429 | 2,021 | 2,225 | 4.18 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 122 | 121 | 122 | 0.23 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 44 | 51 | 47 | 0.09 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 15 | 488 | 487 | 487 | 0.92 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 6,939 | 7,750 | 7,344 | 13.81 |
| 69. | all industries | 2043 | 2043 | 2959 | 53,278 | 53,105 | 53,191 | 100.00 |

Manufacturing Industries : 1953

TABLE 17: ESTIMATES OF MAN-HOURS WORKED IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| 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) |
| 1. | 1 wheat flour | 31 | 31 | 43 | 109.00 | 91.41 | 100.00 | 0.20 |
| 2. | 2 rice milling | 125 | 125 | 217 | 633.87 | 699.89 | 666.88 | 1.35 |
| 3. | 3 biscuit making | 13 | 13 | 20 | 139.30 | 113.98 | 126.64 | 0.25 |
| 4. | 4 fruits and vegetable processing | 8 | 8 | 10 | 15.89 | 71.34 | 43.61 | 0.09 |
| 5. | 5a sugar : vacuum pan factory | 83 | 83 | 96 | 1309.49 | 1143.89 | 1226.69 | 2.48 |
| 6. | 5b ,, : refineries | 3 | 3 | 4 | 18.90 | 18.90 | 18.90 | 0.04 |
| 7. | 5c ,, : gur factories | 10 | 10 | 18 | 59.94 | 66.58 | 63.26 | 0.13 |
| 8. | 6 distilleries and breweries | 14 | 14 | 19 | 109.92 | 158.03 | 133.98 | 0.27 |
| 9. | 7 starch | 10 | 10 | 15 | 126.08 | 14.06 | 70.07 | 0.14 |
| 10. | 8 vegetable oil (including hydro- genated oil) | 172 | 171 | 277 | 925.83 | 121.42 | 1023.63 | 2.07 |
| 11. | 9 paints and varnishes | 12 | 12 | 18 | 87.67 | 101.90 | 94.78 | 0.19 |
| 12. | 10 soap | 23 | 23 | 26 | 225.61 | 167.77 | 196.69 | 0.40 |
| 13. | 11 tanning | 32 | 32 | 47 | 148.72 | 212.35 | 180.53 | 0.36 |
| 14. | 12 cement | 19 | 19 | 19 | 327.84 | 327.84 | 327.84 | 0.66 |
| 15. | 13 glass and glassware | 27 | 27 | 40 | 570.30 | 558.17 | 564.24 | 1.14 |
| 16. | 14 ceramics | 14 | 14 | 17 | 400.66 | 458.20 | 429.43 | 0.87 |
| 17. | 15 plywood and tea chests | 14 | 14 | 19 | 94.28 | 70.70 | 82.49 | 0.17 |
| 18. | 16 paper and paper board | 41 | 41 | 44 | 526.52 | 548.44 | 537.48 | 1.08 |
| 19. | 17 matches | 25 | 25 | 30 | 281.29 | 250.77 | 266.03 | 0.54 |
| 20. | 18 cotton textiles : unclassified | 7 | 7 | 9 | 402.76 | 480.18 | 441.47 | 0.89 |
| 21. | 18a ,, : spinning mills | 29 | 29 | 36 | 1699.36 | 1940.64 | 1820.00 | 3.67 |
| 22. | 18b ,, : composite mills | 167 | 167 | 188 | 14739.26 | 14039.57 | 14389.42 | 29.04 |
| 23. | 18c ,, : powerloom mills | 12 | 12 | 22 | 497.58 | 479.97 | 488.78 | 0.99 |
| 24. | 19 woollen textiles | 20 | 20 | 25 | 281.74 | 454.66 | 368.20 | 0.74 |
| 25. | 20 jute textiles | 56 | 56 | 67 | 5506.22 | 5745.32 | 56.2577 | 11.35 |
| 26. | 21 chemicals (including drugs) | 46 | 46 | 62 | 1101.01 | 1078.19 | 1089.60 | 2.20 |
| 27. | 22a aluminium, copper and brass : | | | | | | | |
| | primary products | 6 | 6 | 7 | 73.24 | 73.55 | 73.39 | 0.15 |
| 28. | 22b ,, : secondary products | 55 | 44 | 58 | 328.74 | 367.49 | 348.12 | 0.70 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 1202.38 | 1202.38 | 1202.38 | 2.43 |
| 30. | 23b ,, : secondary products | 59 | 59 | 91 | 1258.40 | 1342.44 | 1300.42 | 2.62 |
| 31. | 24 bicycles | 13 | 13 | 17 | 65.73 | 65.15 | 65.44 | 0.13 |
| 32. | 25 sewing machines | 8 | 8 | 9 | 52.50 | 51.28 | 51.89 | 0.10 |
| 33. | 27 electric lamps | 7 | 7 | 7 | 24.33 | 24.33 | 24.33 | 0.05 |
| 34. | 28 electric fans | 8 | 8 | 9 | 81.53 | 77.63 | 79.58 | 0.16 |

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TABLE 17 (Contd.): ESTIMATES OF MAN-HOURS WORKED IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| number | CMI classification description | sample size (number of factories) | | | item : man-hours worked during the year unit : hours in lakhs | | | 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 | 17 | 17 | 26 | 625.94 | 835.08 | 730.51 | 1.47 |
| 36. 29a | ,, ,, : repairing works | 21 | 21 | 35 | 443.02 | 511.23 | 477.12 | 0.96 |
| 37. 29b | ,, ,, : manufacturing | 51 | 51 | 75 | 918.02 | 935.06 | 926.54 | 1.87 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 227.00 | 221.68 | 224.34 | 0.45 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 31.70 | 371.90 | 395.30 | 0.80 |
| 40. 32 | enamelware | 3 | 3 | 5 | 58.00 | 59.95 | 58.98 | 0.12 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 48.76 | 70.42 | 59.59 | 0.12 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 65.47 | 65.47 | 65.47 | 0.13 |
| 43. 35 | bricks, tiles, lime and surki manu- facturing | 12 | 12 | 21 | 481.15 | 420.37 | 450.76 | 0.91 |
| 44. 36 | lac | 7 | 7 | 9 | 23.47 | 24.27 | 23.87 | 0.05 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 8.64 | 8.64 | 8.64 | 0.02 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 116.66 | 77.01 | 96.84 | 0.20 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 65.92 | 65.92 | 65.92 | 0.13 |
| 48. 40 | saw milling | 21 | 21 | 31 | 225.40 | 237.24 | 231.32 | 0.47 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 124.51 | 132.69 | 128.60 | 0.26 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 1884.59 | 1738.74 | 1811.66 | 3.66 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 410.41 | 397.09 | 403.75 | 0.81 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 283.46 | 224.38 | 253.92 | 0.51 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 1515.20 | 1513.72 | 1519.46 | 3.07 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 97.02 | 94.62 | 95.82 | 0.19 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 106.69 | 240.51 | 173.60 | 0.35 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 18.54 | 18.54 | 18.54 | 0.04 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 305.99 | 278.48 | 292.23 | 0.59 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 39.49 | 26.30 | 32.90 | 0.07 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 522.44 | 592.39 | 572.41 | 1.16 |
| 60. 52 | rope making | 6 | 6 | 7 | 43.42 | 41.30 | 42.36 | 0.09 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 1002.20 | 1477.01 | 1239.61 | 2.50 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 31.48 | 31.74 | 31.61 | 0.06 |
| 63. 55 | electricity generation and trans- formation | 24 | 24 | 35 | 1021.68 | 697.38 | 859.53 | 1.73 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 786.70 | 634.28 | 710.49 | 1.43 |
| 65. 57 | aircraft building and repairing | 11 | 11 | 13 | 364.62 | 357.48 | 361.05 | 0.73 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 106.96 | 106.54 | 111.75 | 0.22 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 138.67 | 235.89 | 187.28 | 0.38 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 3223.20 | 3518.96 | 3371.08 | 6.80 |
| 69. | all industries | 2043 | 2043 | 2959 | 49109.33 | 50000.69 | 49555.01 | 100.00 |

Manufacturing Industries : 1953

TABLE 18: ESTIMATES OF WORKERS DIRECTLY EMPLOYED PER WORKING DAY
IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| CMI classification | | sample size (number of factories) | | | item : number of workers per working day | | | percen- tage to all indus- tries total |
|--------------------|---|--------------------------------------|---------------------|---------------|---|---------------------|---------------|---|
| | | | | | unit : number (00) | | | |
| 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 | 31 | 31 | 43 | 47 | 45 | 46 | 0.20 |
| 2. 2 | rice milling | 125 | 125 | 217 | 469 | 548 | 509 | 2.18 |
| 3. 3 | biscuit making | 13 | 13 | 20 | 58 | 50 | 54 | 0.23 |
| 4. 4 | fruits and vegetable processing | 8 | 8 | 10 | 8 | 35 | 22 | 0.09 |
| 5. 5a | sugar : vacuum pan factory | 83 | 83 | 96 | 971 | 922 | 974 | 4.07 |
| 6. 5b | „ : refineries | 3 | 3 | 4 | 16 | 16 | 16 | 0.08 |
| 7. 5c | „ : gur factories | 10 | 10 | 18 | 89 | 72 | 81 | 0.35 |
| 8. 6 | distilleries and breweries | 14 | 14 | 19 | 47 | 68 | 57 | 0.25 |
| 9. 7 | starch | 10 | 10 | 15 | 53 | 13 | 33 | 0.14 |
| 10. 8 | vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 498 | 631 | 564 | 2.42 |
| 11. 9 | paints and varnishes | 12 | 12 | 18 | 38 | 45 | 41 | 0.18 |
| 12. 10 | soap | 23 | 23 | 26 | 93 | 58 | 80 | 0.34 |
| 13. 11 | tanning | 32 | 32 | 47 | 83 | 98 | 90 | 0.39 |
| 14. 12 | cement | 19 | 19 | 19 | 113 | 113 | 113 | 0.49 |
| 15. 13 | glass and glassware | 27 | 27 | 40 | 230 | 232 | 231 | 0.99 |
| 16. 14 | ceramics | 14 | 14 | 17 | 158 | 182 | 170 | 0.73 |
| 17. 15 | plywood and tea chests | 14 | 14 | 19 | 43 | 31 | 37 | 0.16 |
| 18. 16 | paper and paper board | 41 | 41 | 44 | 206 | 213 | 209 | 0.90 |
| 19. 17 | matches | 25 | 25 | 30 | 126 | 117 | 122 | 0.52 |
| 20. 18 | cotton textiles : unclassified | 7 | 7 | 9 | 209 | 242 | 226 | 0.97 |
| 21. 18a | „ „ : spinning mills | 29 | 29 | 36 | 754 | 838 | 796 | 3.42 |
| 22. 18b | „ „ : composite mills | 67 | 157 | 188 | 6201 | 5842 | 6022 | 25.86 |
| 23. 18c | „ „ : powerloom mills | 12 | 12 | 22 | 220 | 225 | 222 | 0.95 |
| 24. 19 | woollen textiles | 20 | 20 | 25 | 121 | 221 | 171 | 0.73 |
| 25. 20 | jute textiles | 56 | 56 | 57 | 2623 | 2635 | 2629 | 11.29 |
| 26. 21 | chemicals (including drugs) | 46 | 46 | 62 | 447 | 445 | 446 | 1.92 |
| 27. 22a | aluminium, copper and brass : primary products | 6 | 6 | 7 | 29 | 30 | 30 | 0.13 |
| 28. 22b | „ : secondary products | 44 | 44 | 58 | 129 | 133 | 131 | 0.56 |
| 29. 23a | iron and steel : primary products | 7 | 7 | 7 | 453 | 453 | 453 | 1.95 |
| 30. 23b | „ : secondary products | 59 | 59 | 91 | 539 | 585 | 562 | 2.41 |
| 31. 24 | bicycles | 13 | 13 | 17 | 28 | 29 | 29 | 0.12 |
| 32. 25 | sewing machines | 8 | 8 | 8 | 23 | 22 | 23 | 0.10 |
| 33. 27 | electric lamps | 7 | 7 | 7 | 11 | 11 | 11 | 0.05 |
| 34. 28 | electric fans | 8 | 8 | 9 | 35 | 35 | 35 | 0.15 |

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TABLE 18 (Contd.) : ESTIMATES OF WORKERS DIRECTLY EMPLOYED PER WORKING DAY IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| 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) |
| 35. 29 | general engineering and electrical engineering : unspecified | 17 | 17 | 26 | 266 | 358 | 312 | 1.34 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 193 | 221 | 208 | 0.89 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 388 | 404 | 396 | 1.70 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 106 | 104 | 105 | 0.45 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 142 | 206 | 174 | 0.75 |
| 40. 32 | enamelware | 3 | 3 | 5 | 24 | 25 | 24 | 0.10 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 21 | 22 | 26 | 0.11 |
| 42. 34 | asbestos and asbestos cement products | 6 | 7 | 6 | 29 | 29 | 29 | 0.12 |
| 43. 35 | bricks, tiles, lime and surki manufacturing | 12 | 12 | 21 | 213 | 246 | 229 | 0.99 |
| 44. 36 | lac | 7 | 7 | 9 | 12 | 12 | 12 | 0.05 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 4 | 4 | 4 | 0.02 |
| 46. 38 | plastic (including gramophone records) | 8 | 8 | 13 | 53 | 36 | 44 | 0.19 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 16 | 16 | 16 | 0.07 |
| 48. 40 | saw milling | 21 | 21 | 21 | 119 | 113 | 116 | 0.50 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 48 | 70 | 59 | 0.24 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 938 | 1026 | 982 | 4.22 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 258 | 262 | 255 | 1.10 |
| 52. 44 | groundnut decortiating etc. | 29 | 29 | 44 | 157 | 123 | 140 | 0.60 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 678 | 690 | 684 | 2.94 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 46 | 258 | 152 | 0.65 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 34 | 89 | 62 | 0.26 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 8 | 8 | 8 | 0.03 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 129 | 121 | 125 | 0.54 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 17 | 111 | 14 | 0.06 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 756 | 877 | 816 | 3.51 |
| 60. 52 | rope making | 6 | 6 | 7 | 18 | 17 | 18 | 0.08 |
| 61. 53 | silk and artificial silk | 37 | 37 | 53 | 432 | 639 | 535 | 2.30 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 26 | 33 | 29 | 0.13 |
| 63. 55 | electricity generation and transformation | 24 | 24 | 35 | 475 | 263 | 369 | 1.59 |
| 64. 56 | automobiles and coach building | 65 | 56 | 98 | 367 | 30 | 337 | 1.45 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 164 | 162 | 63 | 0.70 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 55 | 56 | 56 | 0.24 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 59 | 97 | 78 | 0.33 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 1437 | 1559 | 1498 | 6.43 |
| 69. | all industries | 2043 | 2043 | 2959 | 22856 | 23709 | 23282 | 100.00 |

Manufacturing Industries : 1953

TABLE 19 : ESTIMATES OF PERSONS OTHER THAN WORKERS PER WORKING DAY IN
FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| CMI classification | | sample size (number of factories) | | | item : no. of persons other than workers per working day unit : number (00) | | | percentage to all indus- tries total |
|--------------------|---|--------------------------------------|---------------------|---------------|---|---------------------|---------------|---|
| | | sub- sample 1 | sub- sample 2 | com- bined | sub- sample 1 | sub- sample 2 | com- bined | |
| number | description | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| 1. 1 | wheat flour | 31 | 31 | 43 | 12 | 13 | 13 | 0.37 |
| 2. 2 | rice milling | 125 | 125 | 217 | 107 | 125 | 166 | 3.33 |
| 3. 3 | biscuit making | 13 | 13 | 20 | 20 | 14 | 17 | 0.50 |
| 4. 4 | fruits and vegetable processing | 8 | 8 | 10 | 3 | 4 | 4 | 0.11 |
| 5. 5 | sugar : vacuum pan factory | 83 | 83 | 96 | 237 | 203 | 220 | 6.31 |
| 6. 5b | „ : refineries | 3 | 3 | 4 | 3 | 3 | 3 | 0.09 |
| 7. 5c | „ : gur factories | 10 | 10 | 18 | 8 | 4 | 6 | 0.18 |
| 8. 6 | distilleries and breweries | 14 | 14 | 19 | 14 | 20 | 17 | 0.48 |
| 9. 7 | starch | 10 | 10 | 15 | 1 | — | 1 | 0.02 |
| 10. 8 | vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 113 | 119 | 116 | 3.32 |
| 11. 9 | paints and varnishes | 12 | 12 | 18 | 10 | 11 | 10 | 0.30 |
| 12. 10 | soap | 23 | 23 | 26 | 21 | 13 | 17 | 0.49 |
| 13. 11 | tanning | 32 | 32 | 47 | 11 | 14 | 13 | 0.36 |
| 14. 12 | cement | 19 | 19 | 19 | 22 | 22 | 22 | 0.64 |
| 15. 13 | glass and glassware | 27 | 27 | 40 | 22 | 16 | 19 | 0.54 |
| 16. 14 | ceramics | 14 | 14 | 17 | 26 | 25 | 25 | 0.73 |
| 17. 15 | plywood and tea chests | 14 | 14 | 19 | 12 | 6 | 9 | 0.26 |
| 18. 16 | paper and paper board | 41 | 41 | 44 | 44 | 45 | 44 | 1.27 |
| 19. 17 | matches | 25 | 25 | 30 | 11 | 10 | 11 | 0.31 |
| 20. 18 | cotton textiles : unclassified | 7 | 7 | 9 | 10 | 18 | 14 | 0.40 |
| 21. 18a | „ : spinning mills | 29 | 29 | 36 | 244 | 267 | 255 | 7.33 |
| 22. 18b | „ : composite mills | 167 | 167 | 188 | 394 | 375 | 385 | 11.04 |
| 23. 18c | „ : powerloom mills | 12 | 12 | 22 | 14 | 13 | 13 | 0.38 |
| 24. 19 | woollen textiles | 20 | 20 | 25 | 13 | 26 | 19 | 0.55 |
| 25. 20 | jute textiles | 56 | 56 | 67 | 110 | 116 | 113 | 3.24 |
| 26. 21 | chemicals (including drugs) | 46 | 46 | 62 | 159 | 172 | 166 | 4.76 |
| 27. 22a | aluminium, copper and brass : primary products | 6 | 6 | 7 | 10 | 10 | 10 | 0.28 |
| 28. 22b | „ „ : secondary products | 44 | 44 | 58 | 26 | 18 | 22 | 0.63 |
| 29. 23a | iron and steel : primary products | 7 | 7 | 7 | 122 | 122 | 122 | 3.49 |
| 30. 23b | „ : secondary products | 59 | 59 | 91 | 93 | 102 | 98 | 2.80 |
| 31. 24 | bicycles | 13 | 13 | 17 | 5 | 5 | 5 | 0.14 |
| 32. 25 | sewing machines | 8 | 8 | 9 | 2 | 2 | 2 | 0.06 |
| 33. 27 | electric lamps | 7 | 7 | 7 | 2 | 2 | 2 | 0.06 |
| 34. 28 | electric fans | 8 | 8 | 9 | 12 | 2 | 12 | 0.35 |

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TABLE 19 (Contd.) : ESTIMATES OF PERSONS OTHER THAN WORKERS PER WORKING DAY IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| CMI classification | | sample size (number of factories) | | | item : no. of persons other than workers per working day unit : number (00) | | | percentage 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 | 17 | 17 | 26 | 41 | 63 | 52 | 1.50 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 34 | 32 | 33 | 0.94 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 77 | 74 | 75 | 2.16 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 20 | 20 | 20 | 0.56 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 33 | 33 | 33 | 0.93 |
| 40. 32 | enamelware | 3 | 3 | 5 | 4 | 4 | 4 | 0.11 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 4 | 4 | 4 | 0.11 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 3 | 3 | 3 | 0.10 |
| 43. 35 | bricks, tiles, lime and surki manu- facturing | 12 | 12 | 21 | 22 | 23 | 23 | 0.66 |
| 44. 36 | lac | 7 | 7 | 9 | 3 | 3 | 3 | 0.08 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 1 | 1 | 1 | 0.03 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 11 | 9 | 10 | 0.28 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 3 | 3 | 3 | 0.08 |
| 48. 40 | saw milling | 21 | 21 | 31 | 13 | 25 | 19 | 0.55 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 10 | 9 | 10 | 0.28 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 73 | 76 | 74 | 2.14 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 27 | 26 | 27 | 0.77 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 16 | 14 | 15 | 4.40 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 177 | 146 | 162 | 4.65 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 5 | 26 | 15 | 0.44 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 3 | 23 | 13 | 0.38 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 1 | 1 | 1 | 0.03 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 13 | 16 | 14 | 0.41 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 3 | 3 | 3 | 0.09 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 181 | 250 | 216 | 6.20 |
| 60. 52 | rope making | 6 | 6 | 7 | 2 | 2 | 2 | 0.06 |
| 61. 53 | silk and artificial silk | 37 | 37 | 53 | 27 | 51 | 39 | 1.13 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 4 | 5 | 5 | 0.14 |
| 63. 55 | electricity generation and trans- formation | 24 | 24 | 35 | 238 | 160 | 199 | 5.72 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 121 | 81 | 101 | 2.90 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 26 | 25 | 25 | 0.73 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 46 | 45 | 45 | 1.30 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 8 | 14 | 11 | 0.30 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 338 | 269 | 303 | 8.71 |
| 69. | all industries | 2043 | 2043 | 2959 | 3503 | 3466 | 3484 | 100.00 |

Manufacturing Industries : 1953

TABLE 20: ESTIMATES OF EMPLOYED PERSONS PER WORKING DAY IN FACTORIES
USING POWER BY INDUSTRIES AND SUB-SAMPLES: 1955

| 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 | 31 | 31 | 43 | 59 | 58 | 59 | 0.22 |
| 2. | 2 rice milling | 125 | 125 | 217 | 576 | 673 | 625 | 2.33 |
| 3. | 3 biscuit making | 13 | 13 | 20 | 78 | 64 | 71 | 0.27 |
| 4. | 4 fruits and vegetable processing | 8 | 8 | 10 | 11 | 39 | 26 | 0.09 |
| 5. | 5a sugar : vacuum pan factory | 83 | 83 | 96 | 1208 | 1225 | 1167 | 4.36 |
| 6. | 5b „ : refineries | 3 | 3 | 4 | 19 | 19 | 19 | 0.07 |
| 7. | 5c „ : gur factories | 10 | 10 | 18 | 97 | 76 | 87 | 0.32 |
| 8. | 6 distilleries and breweries | 14 | 14 | 19 | 61 | 88 | 74 | 0.28 |
| 9. | 7 starch | 10 | 10 | 15 | 54 | 13 | 34 | 0.12 |
| 10. | 8 vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 611 | 750 | 680 | 2.54 |
| 11. | 9 paints and varnishes | 12 | 12 | 18 | 48 | 56 | 51 | 0.19 |
| 12. | 10 soap | 23 | 23 | 23 | 114 | 81 | 97 | 0.36 |
| 13. | 11 tanning | 32 | 32 | 47 | 94 | 112 | 103 | 0.38 |
| 14. | 12 cement | 19 | 19 | 19 | 135 | 135 | 135 | 0.51 |
| 15. | 13 glass and glassware | 27 | 27 | 40 | 252 | 248 | 250 | 0.93 |
| 16. | 14 ceramics | 14 | 14 | 17 | 184 | 207 | 195 | 0.73 |
| 17. | 15 plywood and tea chests | 14 | 14 | 19 | 55 | 37 | 46 | 0.17 |
| 18. | 16 paper and paper board | 41 | 41 | 44 | 250 | 258 | 253 | 0.95 |
| 19. | 17 matches | 25 | 25 | 30 | 137 | 127 | 1333 | 0.49 |
| 20. | 18 cotton textiles : unclassified | 7 | 7 | 9 | 219 | 260 | 240 | 0.90 |
| 21. | 18a „ : spinning mills | 29 | 29 | 36 | 988 | 1105 | 1051 | 3.93 |
| 22. | 18b „ : composite mills | 167 | 167 | 188 | 6595 | 6217 | 6407 | 23.99 |
| 23. | 18c „ : powerloom mills | 12 | 12 | 22 | 234 | 238 | 235 | 0.88 |
| 24. | 19 woollen textiles | 20 | 20 | 25 | 134 | 247 | 190 | 0.71 |
| 25. | 20 jute textiles | 56 | 56 | 67 | 2733 | 2751 | 2742 | 10.24 |
| 26. | 21 chemicals (including drugs) | 46 | 46 | 62 | 606 | 617 | 612 | 2.29 |
| 27. | 22a aluminium, copper and brass : primary products | 6 | 6 | 7 | 39 | 40 | 40 | 0.15 |
| 28. | 22b „ „ : secondary products | 44 | 44 | 58 | 155 | 151 | 153 | 0.57 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 575 | 575 | 575 | 2.15 |
| 30. | 23b „ : secondary products | 59 | 59 | 91 | 632 | 687 | 660 | 2.46 |
| 31. | 24 bicycles | 13 | 13 | 17 | 33 | 34 | 34 | 0.12 |
| 32. | 25 sewing machines | 8 | 8 | 8 | 25 | 24 | 25 | 0.09 |
| 33. | 27 electric lamps | 7 | 7 | 7 | 13 | 13 | 13 | 0.05 |

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TABLE 20 (Contd.): ESTIMATES OF EMPLOYED PERSONS PER WORKING DAY IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES: 1953

| 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) |
| 34. 28 | electric fans | 8 | 8 | 9 | 47 | 47 | 47 | 0.17 |
| 35. 29 | general engineering and electrical engineering | 17 | 17 | 26 | 307 | 421 | 364 | 1.36 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 37 | 227 | 253 | 240 | 0.90 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 465 | 478 | 471 | 1.76 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 126 | 124 | 125 | 0.46 |
| 39. 31 | rubber and rubber manufacturing | 47 | 37 | 49 | 175 | 239 | 207 | 0.77 |
| 40. 32 | enamelware | 3 | 3 | 5 | 28 | 29 | 28 | 0.10 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 25 | 36 | 30 | 0.11 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 32 | 32 | 32 | 0.12 |
| 43. 35 | bricks, tiles, lime and surki manu- facturing | 12 | 12 | 21 | 235 | 269 | 252 | 0.94 |
| 44. 36 | lac | 7 | 7 | 9 | 15 | 15 | 15 | 0.05 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 5 | 5 | 5 | 0.02 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 64 | 45 | 54 | 0.20 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 19 | 19 | 19 | 0.07 |
| 48. 40 | saw milling | 21 | 21 | 31 | 132 | 138 | 135 | 0.50 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 58 | 79 | 69 | 0.26 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 1011 | 1102 | 1056 | 3.95 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 285 | 278 | 282 | 1.05 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 173 | 137 | 155 | 0.58 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 855 | 836 | 846 | 3.16 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 51 | 284 | 167 | 0.63 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 37 | 112 | 75 | 0.28 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 9 | 9 | 9 | 0.03 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 142 | 137 | 139 | 0.52 |
| 58. 50 | bleaching and tailoring | 3 | 3 | 4 | 20 | 14 | 17 | 0.06 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 937 | 1127 | 1032 | 3.86 |
| 60. 52 | rope making | 6 | 6 | 7 | 20 | 19 | 20 | 0.07 |
| 61. 53 | silk and artificial silk | 37 | 37 | 53 | 459 | 690 | 574 | 2.15 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 30 | 38 | 34 | 0.13 |
| 63. 55 | electricity generation and trans- formation | 24 | 24 | 35 | 713 | 423 | 568 | 2.12 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 488 | 388 | 333 | 1.64 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 190 | 187 | 188 | 0.70 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 101 | 101 | 101 | 0.38 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 67 | 101 | 89 | 0.33 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 1775 | 1828 | 1801 | 6.73 |
| 69. | all industries | 2043 | 2043 | 2959 | 26357 | 27175 | 26766 | 100.00 |

Manufacturing Industries : 1953

TABLE 21: ESTIMATES OF SALARIES AND WAGES RECEIVED BY DIRECTLY EMPLOYED WORKERS IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| CMI classification | | sample size (number of factories) | | | item : 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) |
| 1. | 1 wheat flour | 31 | 31 | 43 | 41.37 | 36.67 | 39.02 | 0.17 |
| 2. | 2 rice milling | 125 | 125 | 217 | 124.32 | 118.30 | 121.31 | 0.54 |
| 3. | 3 biscuit making | 13 | 13 | 20 | 45.31 | 35.71 | 39.51 | 0.18 |
| 4. | 4 fruits and vegetable processing | 8 | 8 | 10 | 3.38 | 9.30 | 6.64 | 0.03 |
| 5. | 5a sugar : vacuum pan factory | 83 | 83 | 96 | 569.51 | 522.90 | 546.21 | 2.44 |
| 6. | 5b „ : refineries | 3 | 3 | 4 | 7.28 | 7.28 | 7.28 | 0.03 |
| 7. | 5c „ : gur factories | 10 | 10 | 18 | 12.06 | 16.24 | 14.15 | 0.06 |
| 8. | 6 distilleries and breweries | 14 | 14 | 19 | 39.01 | 57.56 | 48.29 | 0.22 |
| 9. | 7 starch | 10 | 10 | 15 | 24.70 | 2.54 | 13.62 | 0.06 |
| 10. | 8 vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 269.35 | 349.20 | 309.28 | 1.38 |
| 11. | 9 paints and varnishes | 12 | 12 | 18 | 40.98 | 48.57 | 44.78 | 0.2 |
| 12. | 10 soap | 23 | 23 | 26 | 104.25 | 94.91 | 99.98 | 0.44 |
| 13. | 11 tanning | 32 | 32 | 47 | 57.64 | 66.92 | 66.28 | 0.28 |
| 14. | 12 cement | 19 | 19 | 19 | 141.97 | 141.97 | 141.97 | 0.63 |
| 15. | 13 glass and glassware | 27 | 27 | 40 | 191.88 | 190.49 | 191.18 | 0.95 |
| 16. | 14 ceramics | 14 | 14 | 17 | 143.02 | 153.12 | 148.07 | 0.76 |
| 17. | 15 plywood and tea chests | 14 | 14 | 19 | 22.17 | 16.44 | 19.30 | 0.09 |
| 18. | 16 paper and paper board | 41 | 41 | 44 | 203.37 | 205.43 | 204.40 | 0.91 |
| 19. | 17 matches | 25 | 25 | 30 | 127.14 | 124.54 | 125.84 | 0.56 |
| 20. | 18 cotton textiles : unclassified | 7 | 7 | 9 | 160.87 | 177.96 | 169.42 | 0.76 |
| 21. | 18a „ „ : spinning mills | 29 | 29 | 36 | 705.00 | 745.90 | 925.45 | 3.24 |
| 22. | 18b „ „ : composite mills | 167 | 167 | 188 | 8068.38 | 7668.06 | 7868.22 | 35.13 |
| 23. | 18c „ „ : powerloom mills | 12 | 12 | 22 | 219.67 | 217.66 | 218.67 | 0.98 |
| 24. | 19 woollen textiles | 20 | 20 | 25 | 124.46 | 162.67 | 143.57 | 0.64 |
| 25. | 20 jute textiles | 56 | 56 | 67 | 2469.22 | 2364.90 | 2417.07 | 10.79 |
| 26. | 21 chemicals (including drugs) | 46 | 46 | 62 | 494.10 | 416.25 | 455.17 | 2.03 |
| 27. | 22a aluminium, copper and brass : | | | | | | | |
| | „ „ primary products | 6 | 6 | 7 | 32.27 | 33.20 | 32.74 | 0.15 |
| 28. | 22b „ „ : secondary products | 44 | 44 | 58 | 130.42 | 122.75 | 126.58 | 0.57 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 898.17 | 898.17 | 898.17 | 4.01 |
| 30. | 23b „ „ : secondary products | 59 | 59 | 81 | 611.95 | 664.67 | 638.31 | 2.85 |
| 31. | 24 bicycles | 13 | 13 | 17 | 39.12 | 38.90 | 39.01 | 0.17 |
| 32. | 25 sewing machine | 8 | 8 | 9 | 35.65 | 35.52 | 35.59 | 0.16 |

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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 : 1953

| CMI classification | | sample size (number of factories) | | | item : 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 | 13.08 | 13.08 | 13.08 | 0.06 |
| 34. | 28 electric fans | 8 | 8 | 9 | 36.62 | 37.08 | 36.85 | 0.16 |
| 35. | 29 general engineering and electrical engineering : unspecified | 17 | 17 | 26 | 246.33 | 392.76 | 319.53 | 1.43 |
| 36. | 29a ,, ,, : repairing works | 21 | 21 | 35 | 202.24 | 228.25 | 215.25 | 0.96 |
| 37. | 29b ,, ,, : manufacturing | 51 | 51 | 75 | 400.66 | 402.07 | 401.36 | 1.79 |
| 38. | 30 footwear and leather manufacturing | 12 | 12 | 13 | 99.79 | 98.00 | 98.89 | 0.44 |
| 39. | 31 rubber and rubber manufacturing | 37 | 37 | 49 | 152.59 | 173.44 | 163.02 | 0.73 |
| 40. | 32 enamelware | 3 | 3 | 5 | 19.35 | 19.47 | 1941.41 | 0.09 |
| 41. | 33 hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 14.12 | 18.65 | 16.49 | 0.07 |
| 42. | 34 asbestos and asbestos cement products | 6 | 6 | 6 | 31.76 | 31.76 | 31.76 | 0.14 |
| 43. | 35 bricks, tiles, lime and surki manufacturing | 12 | 12 | 21 | 104.38 | 93.01 | 98.69 | 0.44 |
| 44. | 36 lac | 7 | 7 | 9 | 10.03 | 11.10 | 10.57 | 0.05 |
| 45. | 37 turpentine and rosin | 4 | 4 | 4 | 2.62 | 2.62 | 2.62 | 0.01 |
| 46. | 38 plastics (including gramophone records) | 8 | 8 | 13 | 28.23 | 29.26 | 28.95 | 0.13 |
| 47. | 39 petroleum refining | 4 | 4 | 4 | 29.43 | 29.43 | 29.43 | 0.13 |
| 48. | 40 saw milling | 21 | 21 | 31 | 58.18 | 63.57 | 60.87 | 0.27 |
| 49. | 41 woodware (including furniture) | 12 | 12 | 21 | 45.54 | 66.46 | 56.00 | 0.25 |
| 50. | 42 tea manufacturing | 65 | 65 | 126 | 441.01 | 378.75 | 409.68 | 1.83 |
| 51. | 43 tobacco products | 52 | 52 | 58 | 230.10 | 231.32 | 230.71 | 1.03 |
| 52. | 44 groundnut decorticating etc. | 29 | 29 | 44 | 76.51 | 34.36 | 55.43 | 0.25 |
| 53. | 45 printing and bookbinding etc. | 43 | 43 | 79 | 708.76 | 789.92 | 749.34 | 3.31 |
| 54. | 46 webbing narrow fabrics | 6 | 6 | 9 | 32.91 | 29.76 | 30.84 | 0.14 |
| 55. | 47 hosiery and other knitted goods | 11 | 11 | 18 | 36.09 | 88.50 | 62.30 | 0.28 |
| 56. | 48 thread and thread ball making | 3 | 3 | 5 | 3.48 | 3.48 | 3.48 | 0.02 |
| 57. | 49 textiles dyeing, bleaching etc. | 24 | 24 | 34 | 130.14 | 123.30 | 126.72 | 0.57 |
| 58. | 50 clothing and tailoring | 3 | 3 | 4 | 12.22 | 8.20 | 10.21 | 0.07 |
| 59. | 51 cotton ginning and pressing | 98 | 98 | 191 | 107.99 | 110.83 | 109.40 | 0.49 |
| 60. | 52 rope making | 6 | 6 | 7 | 16.12 | 15.40 | 15.76 | 0.07 |
| 61. | 53 silk and artificial silk | 36 | 36 | 51 | 379.58 | 579.51 | 479.29 | 2.14 |
| 62. | 54 jute pressing | 9 | 9 | 12 | 11.04 | 11.21 | 11.13 | 0.06 |
| 63. | 55 electricity generation and transformation | 24 | 24 | 35 | 545.10 | 308.00 | 426.55 | 1.90 |
| 64. | 56 automobiles and coach building | 65 | 65 | 98 | 383.02 | 321.72 | 352.37 | 1.57 |
| 65. | 57 ship building and repairing | 11 | 11 | 13 | 266.96 | 264.58 | 265.77 | 1.19 |
| 66. | 60 aircraft assembling and repairing services | 3 | 3 | 5 | 82.25 | 87.49 | 84.87 | 0.38 |
| 67. | 62 textile machineries and accessories | 11 | 11 | 14 | 55.96 | 70.69 | 63.32 | 0.28 |
| 68. | 63 unspecified industries | 155 | 155 | 238 | 1257.27 | 1460.91 | 1359.09 | 6.07 |
| 69. | all industries | 2043 | 2043 | 2959 | 22426.45 | 22372.60 | 22399.66 | 100.00 |

Manufacturing Industries : 1953

TABLE 22 : ESTIMATES OF SALARIES AND WAGES RECEIVED BY EMPLOYEES OTHER THAN WORKERS IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| CMI classification | | sample size (number of factories) | | | item : 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 | 31 | 31 | 43 | 22.46 | 23.56 | 23.01 | 0.31 |
| 2. 2 | rice milling | 125 | 125 | 217 | 112.31 | 99.59 | 105.95 | 1.52 |
| 3. 3 | biscuit making | 13 | 13 | 20 | 33.99 | 29.84 | 31.91 | 0.46 |
| 4. 4 | fruits and vegetable processing | 8 | 8 | 10 | 5.25 | 7.74 | 6.49 | 0.09 |
| 5. 5a | sugar : vacuum pan factory | 83 | 83 | 96 | 348.01 | 258.32 | 303.16 | 4.34 |
| 6. 5b | „ : refineries | 3 | 3 | 4 | 2.11 | 2.11 | 2.11 | 0.03 |
| 7. 5c | „ : gur factories | 10 | 10 | 18 | 1.62 | 2.44 | 2.03 | 0.03 |
| 8. 6 | distilleries and breweries | 14 | 14 | 19 | 25.66 | 38.47 | 32.06 | 0.46 |
| 9. 7 | starch | 10 | 10 | 15 | 14.09 | 0.76 | 7.43 | 0.11 |
| 10. 8 | vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 174.46 | 174.00 | 174.23 | 2.50 |
| 11. 9 | paints and varnishes | 12 | 12 | 18 | 36.07 | 39.69 | 37.88 | 0.54 |
| 12. 10 | soap | 23 | 23 | 26 | 53.15 | 44.66 | 49.81 | 0.70 |
| 13. 11 | tanning | 32 | 32 | 47 | 16.22 | 20.92 | 18.26 | 0.26 |
| 14. 12 | cement | 19 | 19 | 19 | 71.70 | 71.70 | 71.70 | 1.03 |
| 15. 13 | glass and glassware | 27 | 27 | 40 | 33.78 | 28.43 | 31.11 | 0.45 |
| 16. 14 | ceramics | 14 | 14 | 17 | 45.48 | 50.10 | 47.79 | 0.68 |
| 17. 15 | plywood and tea chests | 14 | 14 | 19 | 15.91 | 14.17 | 15.04 | 0.22 |
| 18. 16 | paper and paper board | 41 | 41 | 44 | 95.72 | 94.02 | 94.87 | 1.36 |
| 19. 17 | matches | 25 | 25 | 30 | 45.39 | 44.50 | 44.94 | 0.64 |
| 20. 18 | cotton textiles : unclassified | 7 | 7 | 9 | 28.15 | 35.22 | 31.68 | 0.45 |
| 21. 18a | „ : spinning mills | 29 | 29 | 36 | 103.74 | 124.78 | 114.26 | 1.63 |
| 22. 18b | „ : composite mills | 167 | 167 | 188 | 1042.62 | 1034.13 | 1038.37 | 14.87 |
| 23. 18c | „ : powerloom mills | 12 | 12 | 22 | 31.49 | 30.68 | 31.08 | 0.44 |
| 24. 19 | woollen textiles | 20 | 20 | 25 | 46.76 | 75.72 | 61.24 | 0.88 |
| 25. 20 | jute textiles | 56 | 56 | 67 | 38.84 | 344.95 | 363.40 | 5.20 |
| 26. 21 | chemicals (including drugs) | 46 | 46 | 62 | 367.81 | 342.55 | 355.18 | 5.08 |
| 27. 22a | aluminium, copper and brass : primary products | 6 | 6 | 7 | 21.70 | 21.73 | 21.72 | 0.31 |
| 28. 22b | „ „ : secondary products | 44 | 44 | 58 | 62.75 | 52.86 | 57.81 | 0.83 |
| 29. 23a | iron and steel : primary products | 7 | 7 | 7 | 304.85 | 304.85 | 304.85 | 4.36 |
| 30. 23b | „ : secondary products | 59 | 59 | 91 | 208.45 | 239.81 | 224.13 | 3.21 |
| 31. 24 | bicycles | 13 | 13 | 17 | 9.58 | 10.77 | 10.17 | 0.15 |
| 32. 25 | sewing machines | 8 | 8 | 9 | 10.24 | 10.43 | 10.33 | 0.15 |

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TABLE 22 (Contd.) : ESTIMATES OF SALARIES AND WAGES RECEIVED BY EMPLOYEES
OTHER THAN WORKERS IN FACTORIES USING POWER BY INDUSTRIES
AND SUB-SAMPLES : 1953

| CMI classification | | sample size (number of factories) | | | item : salaries and wages received by persons other than 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 | 8.69 | 8.69 | 8.69 | 0.12 |
| 34. 28 | electric fans | 8 | 8 | 9 | 23.63 | 22.63 | 23.13 | 0.33 |
| 35. 29 | general engineering and electrical engineering : unspecified | 17 | 17 | 26 | 115.90 | 190.65 | 153.27 | 2.19 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 90.98 | 68.00 | 79.49 | 1.14 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 289.22 | 162.06 | 225.64 | 3.23 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 111.81 | 111.81 | 111.81 | 1.60 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 109.95 | 123.36 | 116.65 | 1.67 |
| 40. 32 | enamelware | 3 | 3 | 5 | 5.16 | 6.70 | 5.93 | 0.09 |
| 41. 33 | lime pipes and other cement and cement concrete products | 9 | 9 | 13 | 8.16 | 18.45 | 13.53 | 0.20 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 7.99 | 7.99 | 7.99 | 0.11 |
| 43. 35 | bricks, tiles, lime and surki manu- facturing | 12 | 12 | 21 | 39.34 | 27.35 | 28.84 | 0.41 |
| 44. 36 | lac | 7 | 7 | 9 | 6.52 | 6.86 | 6.69 | 0.10 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 2.92 | 2.92 | 2.92 | 0.04 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 11.36 | 13.02 | 12.19 | 0.17 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 14.97 | 14.97 | 14.97 | 0.21 |
| 48. 40 | saw milling | 21 | 21 | 31 | 19.46 | 29.33 | 24.40 | 0.35 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 13.72 | 11.92 | 12.82 | 0.18 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 239.19 | 254.66 | 246.93 | 3.53 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 65.94 | 68.65 | 67.30 | 0.96 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 23.34 | 13.75 | 18.54 | 0.27 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 358.32 | 292.13 | 325.22 | 4.65 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 9.87 | 9.88 | 9.87 | 0.14 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 7.75 | 31.52 | 19.63 | 0.28 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 0.53 | 0.53 | 0.53 | 0.01 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 25.74 | 31.56 | 28.65 | 0.41 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 4.30 | 2.06 | 3.18 | 0.05 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 103.02 | 86.95 | 94.99 | 1.36 |
| 60. 52 | rope making | 6 | 6 | 7 | 4.23 | 3.70 | 3.96 | 0.06 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 52.71 | 91.00 | 71.86 | 1.03 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 3.50 | 3.54 | 3.52 | 0.05 |
| 63. 55 | electricity generation and trans- formation | 24 | 24 | 35 | 759.09 | 251.43 | 505.26 | 7.23 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 250.34 | 258.74 | 254.54 | 3.64 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 90.92 | 87.47 | 89.20 | 1.28 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 76.75 | 76.49 | 76.62 | 1.10 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 17.89 | 24.85 | 21.37 | 0.31 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 573.11 | 577.80 | 575.45 | 8.23 |
| 69. | all industries | 2043 | 2043 | 2959 | 7311.23 | 6666.29 | 6988.78 | 100.00 |

Manufacturing Industries : 1953

TABLE 23 : ESTIMATES OF TOTAL PAYMENT TO ALL EMPLOYEES IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| number | CMI classification | | sample size (number of factories) | | | item : total payment to all employees unit : lakhs of rupees | | | percent- age to all indus- tries total |
|--------|--------------------|---|--------------------------------------|---------------------|---------------|--|---------------------|---------------|---|
| | 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 | 31 | 31 | 43 | 70.75 | 68.01 | 69.38 | 0.22 |
| 2. | 2 | rice milling | 125 | 125 | 217 | 293.91 | 254.67 | 274.29 | 0.86 |
| 3. | 3 | biscuit making | 13 | 13 | 20 | 18.72 | 70.68 | 76.20 | 0.24 |
| 4. | 4 | fruits and vegetable processing | 8 | 8 | 10 | 9.49 | 18.90 | 14.19 | 0.04 |
| 5. | 5a | sugar : vacuum pan factory | 83 | 83 | 96 | 999.38 | 843.44 | 921.41 | 2.90 |
| 6. | 5b | „ : refineries | 3 | 3 | 4 | 10.88 | 10.88 | 10.88 | 0.03 |
| 7. | 5c | „ : gur factories | 10 | 10 | 18 | 14.38 | 21.79 | 18.08 | 0.06 |
| 8. | 6 | distilleries and breweries | 14 | 14 | 19 | 68.13 | 101.19 | 84.66 | 0.27 |
| 9. | 7 | starch | 10 | 10 | 15 | 41.54 | 3.82 | 22.68 | 0.07 |
| 10. | 8 | vegetable oil (including hydro- genated oil) | 162 | 162 | 277 | 483.14 | 563.14 | 523.31 | 1.64 |
| 11. | 9 | paints and varnishes | 12 | 12 | 18 | 80.48 | 93.47 | 86.98 | 0.27 |
| 12. | 10 | soap | 23 | 23 | 26 | 173.24 | 155.32 | 164.28 | 0.52 |
| 13. | 11 | tanning | 32 | 32 | 47 | 75.90 | 92.43 | 86.26 | 0.26 |
| 14. | 12 | cement | 19 | 19 | 19 | 253.28 | 253.28 | 253.28 | 0.80 |
| 15. | 13 | glass and glassware | 27 | 27 | 40 | 233.03 | 223.47 | 228.25 | 0.72 |
| 16. | 14 | ceramics | 14 | 14 | 17 | 242.92 | 232.24 | 237.58 | 0.75 |
| 17. | 15 | plywood and tea chests | 14 | 14 | 19 | 42.54 | 34.36 | 37.95 | 0.12 |
| 18. | 16 | paper and paper board | 41 | 41 | 44 | 336.58 | 337.09 | 336.83 | 1.06 |
| 19. | 17 | matches | 25 | 25 | 30 | 209.59 | 199.99 | 204.78 | 0.64 |
| 20. | 18 | cotton textiles : unclassified | 7 | 7 | 9 | 200.76 | 226.18 | 213.46 | 0.67 |
| 21. | 18a | „ : spinning mills | 29 | 29 | 36 | 871.12 | 938.12 | 904.62 | 2.85 |
| 22. | 18b | „ : composite mills | 167 | 167 | 188 | 9729.40 | 9240.84 | 9485.11 | 29.84 |
| 23. | 18c | „ : powerloom mills | 12 | 12 | 22 | 260.42 | 256.54 | 258.48 | 0.85 |
| 24. | 19 | woollen textiles | 20 | 20 | 25 | 186.91 | 257.92 | 222.41 | 0.70 |
| 25. | 20 | jute textiles | 56 | 56 | 67 | 3022.78 | 2886.16 | 2954.47 | 9.30 |
| 26. | 21 | chemicals (including drugs) | 46 | 46 | 62 | 950.49 | 838.57 | 894.53 | 2.81 |
| 27. | 22a | aluminium, copper and brass : primary products | 6 | 6 | 7 | 63.84 | 64.13 | 63.98 | 0.20 |
| 28. | 22b | „ „ : secondary products | 44 | 44 | 58 | 230.27 | 198.51 | 214.39 | 0.67 |
| 29. | 23a | iron and steel : primary products | 7 | 7 | 7 | 1330.30 | 1330.30 | 1330.30 | 4.19 |
| 30. | 23b | „ : secondary products | 59 | 59 | 91 | 894.40 | 976.18 | 935.29 | 2.94 |
| 31. | 24 | bicycles | 13 | 13 | 17 | 54.71 | 55.67 | 55.19 | 0.17 |
| 32. | 25 | sewing machines | 8 | 8 | 9 | 47.62 | 47.67 | 47.64 | 0.15 |
| 33. | 27 | electric lamps | 7 | 7 | 7 | 23.39 | 23.29 | 23.39 | 0.07 |
| 34. | 28 | electric fans | 8 | 8 | 9 | 66.49 | 65.95 | 66.22 | 0.21 |

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TABLE 23 (Contd.): ESTIMATES OF TOTAL PAYMENT TO ALL EMPLOYEES IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| number | CMI classification description | sample size (number of factories) | | | item : total payment to all employees unit : lakhs of rupees | | | percen- tage 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 | 17 | 17 | 26 | 395.02 | 609.77 | 502.39 | 1.58 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 318.08 | 317.48 | 317.78 | 1.00 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 731.35 | 610.10 | 670.22 | 2.11 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 223.96 | 222.18 | 223.07 | 0.70 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 276.05 | 313.43 | 294.74 | 0.93 |
| 40. 32 | enamelware | 3 | 3 | 5 | 26.95 | 28.61 | 27.78 | 0.09 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 25.06 | 39.64 | 32.35 | 0.10 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 43.01 | 43.01 | 43.01 | 0.14 |
| 43. 35 | bricks, tiles, lime and surki manu- facturing | 12 | 12 | 21 | 144.76 | 128.04 | 136.40 | 0.43 |
| 44. 36 | lac | 7 | 7 | 9 | 18.42 | 19.84 | 19.13 | 0.06 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 6.07 | 6.07 | 6.07 | 0.02 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 40.20 | 43.31 | 41.76 | 0.13 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 60.51 | 60.51 | 60.51 | 0.19 |
| 48. 40 | saw milling | 21 | 21 | 31 | 80.45 | 95.45 | 87.95 | 0.28 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 60.86 | 82.14 | 71.50 | 0.22 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 831.55 | 763.06 | 797.31 | 2.51 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 337.99 | 345.33 | 341.61 | 1.07 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 111.76 | 54.91 | 83.33 | 0.26 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 1119.78 | 1117.89 | 1118.83 | 3.52 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 43.15 | 41.01 | 42.08 | 0.13 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 45.50 | 125.14 | 85.32 | 0.27 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 4.18 | 4.18 | 4.18 | 0.01 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 166.97 | 163.42 | 165.20 | 0.52 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 21.44 | 14.98 | 18.11 | 0.06 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 277.78 | 258.48 | 268.13 | 0.84 |
| 60. 52 | rope making | 6 | 6 | 7 | 22.75 | 21.50 | 22.12 | 0.07 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 454.48 | 708.76 | 581.62 | 1.83 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 21.44 | 20.80 | 21.12 | 0.07 |
| 63. 55 | electricity generation and trans- formation | 24 | 24 | 35 | 1378.25 | 636.75 | 1007.50 | 3.17 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 678.67 | 619.86 | 649.27 | 2.04 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 388.05 | 395.42 | 391.73 | 1.23 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 171.56 | 176.88 | 174.22 | 0.55 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 77.27 | 99.27 | 88.27 | 0.28 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 1968.79 | 2162.07 | 2065.43 | 6.50 |
| 69. | all industries | 2043 | 2043 | 2059 | 32224.93 | 31333.59 | 31779.27 | 100.00 |

Manufacturing Industries : 1953

TABLE 24 : ESTIMATES OF INPUT [(A) FUELS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| 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 | 31 | 31 | 43 | 26.43 | 27.42 | 26.92 | 0.34 |
| 2. | 2 rice milling | 125 | 125 | 217 | 93.30 | 95.58 | 94.44 | 1.20 |
| 3. | 3 biscuit making | 13 | 13 | 20 | 14.80 | 13.44 | 14.12 | 0.18 |
| 4. | 4 fruits and vegetable processing | 8 | 8 | 8 | 2.99 | 3.70 | 3.35 | 0.04 |
| 5. | 5a sugar : vacuum pan factory | 83 | 83 | 96 | 146.70 | 153.49 | 150.10 | 1.90 |
| 6. | 5b „ : refineries | 3 | 3 | 4 | 1.08 | 1.08 | 1.08 | 0.01 |
| 7. | 5c „ : gur factories | 10 | 10 | 18 | 6.15 | 6.52 | 6.34 | 0.08 |
| 8. | 6 distilleries and breweries | 14 | 14 | 19 | 20.17 | 35.40 | 27.78 | 0.35 |
| 9. | 7 starch | 10 | 10 | 15 | 22.69 | 1.06 | 11.87 | 0.15 |
| 10. | 8 vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 249.99 | 297.25 | 273.59 | 3.47 |
| 11. | 9 paints and varnishes | 12 | 12 | 18 | 6.51 | 12.81 | 9.66 | 0.12 |
| 12. | 10 soap | 23 | 23 | 26 | 34.74 | 29.98 | 32.36 | 0.41 |
| 13. | 11 tanning | 32 | 32 | 47 | 6.95 | 7.83 | 7.39 | 0.09 |
| 14. | 12 cement | 19 | 19 | 19 | 419.79 | 419.79 | 419.79 | 5.31 |
| 15. | 13 glass and glassware | 27 | 27 | 40 | 193.61 | 106.90 | 150.26 | 1.90 |
| 16. | 14 ceramics | 14 | 14 | 17 | 105.05 | 101.06 | 103.05 | 1.30 |
| 17. | 15 plywood and tea chests | 14 | 14 | 19 | 5.78 | 6.03 | 5.91 | 0.07 |
| 18. | 16 paper and paper board | 41 | 41 | 44 | 167.50 | 168.10 | 167.80 | 2.12 |
| 19. | 17 matches | 25 | 25 | 30 | 11.83 | 11.62 | 11.72 | 0.15 |
| 20. | 18 cotton textiles : unclassified | 7 | 7 | 9 | 57.38 | 60.97 | 59.17 | 0.75 |
| 21. | 18a „ : spinning mills | 29 | 29 | 36 | 124.11 | 235.51 | 179.81 | 2.28 |
| 22. | 18b „ : composite mills | 167 | 167 | 188 | 1533.01 | 1478.68 | 1510.84 | 19.13 |
| 23. | 18c „ : powerloom mills | 12 | 12 | 22 | 40.91 | 39.29 | 40.10 | 0.51 |
| 24. | 19 woollen textiles | 20 | 20 | 25 | 30.23 | 37.38 | 33.80 | 0.43 |
| 25. | 20 jute textiles | 56 | 56 | 67 | 279.42 | 259.24 | 269.33 | 3.41 |
| 26. | 21 chemicals (including drugs) | 46 | 46 | 62 | 336.86 | 352.32 | 344.59 | 4.36 |
| 27. | 22a aluminium, copper and brass : | | | | | | | |
| | primary products | 6 | 6 | 7 | 25.73 | 26.14 | 25.93 | 0.33 |
| 28. | 22b „ „ : secondary products | 44 | 44 | 58 | 63.48 | 42.98 | 53.23 | 0.67 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 1016.42 | 1016.42 | 1016.42 | 12.87 |
| 30. | 23b „ : secondary products | 59 | 59 | 91 | 162.50 | 195.14 | 178.82 | 2.26 |
| 31. | 24 bicycles | 13 | 13 | 17 | 6.44 | 6.25 | 6.35 | 0.08 |
| 32. | 25 sewing machines | 8 | 8 | 9 | 3.72 | 3.60 | 3.66 | 0.05 |

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TABLE 24 (Contd.): ESTIMATES OF INPUT [(A) FUELS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES: 1953

| 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) |
| 33. 27 | electric lamps | 7 | 7 | 7 | 3.18 | 3.18 | 3.18 | 0.04 |
| 34. 28 | electric fans | 8 | 8 | 9 | 3.69 | 3.16 | 3.43 | 0.04 |
| 35. 29 | general engineering and electrical engineering : unspecified | 17 | 17 | 26 | 33.41 | 62.02 | 47.71 | 0.60 |
| 36. 29a | ,, : repairing works | 21 | 21 | 35 | 40.39 | 30.84 | 35.62 | 0.45 |
| 37. 29b | ,, : manufacturing | 51 | 51 | 75 | 86.54 | 88.82 | 87.68 | 1.11 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 14.07 | 13.96 | 14.02 | 0.18 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 55.21 | 54.69 | 54.95 | 0.70 |
| 40. 32 | enamelware | 3 | 3 | 5 | 9.06 | 10.13 | 9.60 | 0.12 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 6.96 | 7.90 | 7.43 | 0.09 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 2.60 | 2.60 | 2.60 | 0.03 |
| 43. 35 | bricks, tiles, lime and surki manu- facturing | 12 | 12 | 21 | 128.17 | 94.97 | 111.57 | 1.41 |
| 44. 36 | lac | 7 | 7 | 9 | 2.11 | 2.35 | 2.23 | 0.05 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 1.93 | 1.93 | 1.93 | 0.02 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 4.27 | 5.79 | 5.03 | 0.06 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 29.31 | 29.31 | 29.31 | 0.37 |
| 48. 40 | saw milling | 21 | 21 | 31 | 12.34 | 9.60 | 10.97 | 0.14 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 4.35 | 5.81 | 5.08 | 0.06 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 316.13 | 364.07 | 340.10 | 4.31 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 21.19 | 20.68 | 20.29 | 0.26 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 30.40 | 12.56 | 21.52 | 0.27 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 50.23 | 42.74 | 46.49 | 0.59 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 5.08 | 4.62 | 4.58 | 0.06 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 4.18 | 11.30 | 7.74 | 0.10 |
| 56. 48 | thread and thread ball making | 3 | 3 | 3 | 0.51 | 0.51 | 0.51 | 0.01 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 95.99 | 85.94 | 90.96 | 1.15 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 0.44 | 0.35 | 0.39 | 0.00 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 172.08 | 132.12 | 152.10 | 1.93 |
| 60. 52 | rope making | 6 | 6 | 7 | 1.52 | 1.53 | 1.52 | 0.02 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 50.23 | 92.55 | 71.39 | 0.90 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 3.08 | 3.52 | 3.30 | 0.04 |
| 63. 55 | electricity generation and trans- formation | 24 | 24 | 35 | 1336.66 | 695.59 | 1016.13 | 12.86 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 70.92 | 74.92 | 72.92 | 0.92 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 22.94 | 22.18 | 22.56 | 0.29 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 8.63 | 9.04 | 8.83 | 0.11 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 8.09 | 13.37 | 10.73 | 0.14 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 411.82 | 256.36 | 334.09 | 4.23 |
| 69. | all industries | 2039 | 2039 | 2959 | 8263.92 | 7534.06 | 7898.98 | 100.00 |

Manufacturing Industries : 1953

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 and flour | 31 | 31 | 43 | 2393.77 | 2080.19 | 2236.98 | 1.91 |
| 2. 2 | rice milling | 125 | 125 | 217 | 7356.41 | 7607.36 | 7481.88 | 6.38 |
| 3. 3 | biscuit making | 13 | 13 | 20 | 411.34 | 298.34 | 354.84 | 0.30 |
| 4. 4 | fruits and vegetable processing | 8 | 8 | 10 | 26.74 | 64.62 | 45.43 | 0.04 |
| 5. 5a | sugar : vacuum pan factory | 83 | 83 | 96 | 5255.93 | 4167.38 | 4711.65 | 4.02 |
| 6. 5b | „ : refineries | 3 | 3 | 4 | 86.76 | 86.76 | 86.76 | 0.07 |
| 7. 5c | „ : gur factories | 10 | 10 | 18 | 119.42 | 144.23 | 131.82 | 0.11 |
| 8. 6 | distilleries and breweries | 14 | 14 | 19 | 155.58 | 203.64 | 179.61 | 0.15 |
| 9. 7 | starch | 10 | 10 | 15 | 514.29 | 28.48 | 271.39 | 0.23 |
| 10. 8 | vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 14275.08 | 16665.35 | 15470.22 | 13.19 |
| 11. 9 | paints and varnishes | 12 | 12 | 18 | 352.67 | 1177.28 | 764.97 | 0.65 |
| 12. 10 | soap | 23 | 23 | 26 | 492.90 | 1486.02 | 1489.46 | 1.27 |
| 13. 11 | tanning | 32 | 32 | 47 | 666.33 | 783.35 | 724.84 | 0.62 |
| 14. 12 | cement | 19 | 19 | 19 | 842.47 | 842.47 | 842.47 | 0.72 |
| 15. 13 | glass and glassware | 27 | 27 | 40 | 367.85 | 345.66 | 356.75 | 0.30 |
| 16. 14 | ceramics | 14 | 14 | 17 | 192.46 | 137.88 | 165.17 | 0.14 |
| 17. 15 | plywood and tea chests | 14 | 14 | 19 | 131.61 | 98.86 | 115.24 | 0.10 |
| 18. 16 | paper and paper board | 41 | 41 | 44 | 986.48 | 982.26 | 984.37 | 0.85 |
| 19. 17 | matches | 25 | 25 | 30 | 389.01 | 356.16 | 372.59 | 0.32 |
| 20. 18 | cotton textiles : unclassified | 7 | 7 | 9 | 474.01 | 566.01 | 520.01 | 0.44 |
| 21. 18a | „ : spinning | 29 | 29 | 36 | 3064.37 | 3686.40 | 3375.39 | 2.88 |
| 22. 18b | „ : composite mills | 167 | 167 | 188 | 23484.17 | 21336.88 | 22410.52 | 19.12 |
| 23. 18c | „ : powerloom mills | 12 | 12 | 22 | 891.27 | 827.31 | 859.29 | 0.73 |
| 24. 19 | woollen textiles | 20 | 20 | 25 | 816.79 | 1210.44 | 1013.61 | 0.86 |
| 25. 20 | jute textiles | 56 | 56 | 67 | 6986.08 | 6523.79 | 6754.94 | 5.76 |
| 26. 21 | chemicals (including drugs) | 46 | 46 | 62 | 3592.50 | 2294.67 | 2943.59 | 2.51 |
| 27. 22a | aluminium, copper and brass : primary products | 6 | 6 | 7 | 210.70 | 208.12 | 209.41 | 0.18 |
| 28. 22b | „ „ : secondary products | 44 | 44 | 58 | 2674.05 | 931.17 | 1802.61 | 1.54 |
| 29. 23a | iron and steel : primary products | 7 | 7 | 7 | 1452.96 | 1452.96 | 1452.96 | 1.24 |
| 30. 23b | „ „ : secondary products | 59 | 59 | 91 | 2256.44 | 2828.78 | 2542.61 | 2.17 |
| 31. 24 | bicycles | 13 | 13 | 17 | 149.87 | 153.42 | 151.65 | 0.13 |
| 32. 25 | sewing machines | 8 | 8 | 9 | 69.72 | 68.74 | 69.23 | 0.06 |
| 33. 27 | electric lamps | 7 | 7 | 7 | 49.76 | 49.76 | 49.76 | 0.04 |
| 34. 28 | electric fans | 8 | 8 | 8 | 16.68 | 131.02 | 123.85 | 0.11 |

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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) |
| 35. 29 | general engineering and electrical engineering : unspecified | 17 | 17 | 26 | 659.67 | 922.79 | 791.23 | 0.68 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 402.05 | 367.49 | 384.77 | 0.33 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 1814.94 | 1443.68 | 1629.31 | 1.39 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 432.51 | 426.61 | 429.58 | 0.37 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 1530.96 | 1528.27 | 1529.61 | 1.30 |
| 40. 32 | enamelware | 3 | 3 | 5 | 42.36 | 47.56 | 44.96 | 0.04 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 62.70 | 95.51 | 79.11 | 0.07 |
| 42. 34 | asbestos and asbestos cement | 6 | 6 | 6 | 148.16 | 148.15 | 148.15 | 0.13 |
| 43. 35 | bricks, tiles, lime and surki manufacturing | 12 | 12 | 21 | 135.17 | 92.48 | 113.83 | 0.10 |
| 44. 36 | lac | 7 | 7 | 9 | 142.00 | 142.99 | 142.49 | 0.12 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 57.50 | 57.50 | 57.50 | 0.05 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 102.84 | 251.46 | 177.15 | 0.15 |
| 47. 39 | petroleum refining | 5 | 4 | 4 | 295.61 | 295.61 | 295.61 | 0.25 |
| 48. 40 | saw milling | 21 | 21 | 31 | 157.20 | 290.22 | 223.71 | 0.19 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 126.16 | 128.18 | 126.19 | 0.11 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 8068.27 | 6488.63 | 7278.45 | 6.21 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 3005.20 | 2919.75 | 2962.47 | 2.53 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 4153.63 | 1379.18 | 2766.41 | 2.36 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 1602.29 | 1492.99 | 1547.64 | 1.32 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 192.39 | 196.83 | 194.61 | 0.17 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 202.64 | 1015.84 | 609.24 | 0.52 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 37.96 | 37.96 | 37.96 | 0.03 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 600.71 | 638.14 | 619.42 | 0.53 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 134.38 | 91.07 | 112.73 | 0.10 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 4179.78 | 3536.00 | 3857.89 | 3.29 |
| 60. 52 | rope making | 6 | 6 | 7 | 96.02 | 91.66 | 93.84 | 0.08 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 1412.42 | 2207.51 | 1809.97 | 1.54 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 27.79 | 27.54 | 27.54 | 0.02 |
| 63. 55 | electricity generation and transformation | 24 | 24 | 35 | 1241.19 | 359.25 | 800.22 | 0.68 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 1496.87 | 1450.89 | 1473.88 | 1.26 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 214.36 | 240.34 | 227.35 | 0.19 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 227.84 | 228.62 | 228.23 | 0.20 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 99.06 | 171.81 | 135.43 | 0.12 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 5367.16 | 5013.44 | 5190.30 | 4.43 |
| 69. | all industries | 2039 | 2039 | 2959 | 120776.27 | 113649.45 | 117212.82 | 100.00 |

Manufacturing Industries : 1953

TABLE 26 : ESTIMATES OF INPUT [(C) WORK DONE BY OTHER CONCERNS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| number | CMI classification description | sample size (number of factories) | | | item : value of input (c) work done by other concerns 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 | 31 | 31 | 43 | 0.72 | 1.92 | 1.32 | 0.09 |
| 2. | 2 rice milling | 125 | 125 | 217 | 0.70 | 2.24 | 1.47 | 0.10 |
| 3. | 3 biscuit making | 13 | 13 | 20 | 0.45 | 0.58 | 0.52 | 0.04 |
| 4. | 4 fruits and vegetable processing | 8 | 8 | 8 | — | 0.51 | 0.25 | 0.02 |
| 5. | 5a sugar : vacuum pan factory | 83 | 83 | 96 | 12.70 | 8.65 | 10.67 | 0.72 |
| 6. | 5b „ : refineries | 3 | 3 | 4 | 0.82 | 0.82 | 0.82 | 0.06 |
| 7. | 5c „ : gur factories | 10 | 10 | 18 | 0.81 | — | 0.40 | 0.03 |
| 8. | 6 distilleries and breweries | 14 | 14 | 19 | 1.66 | 0.09 | 0.88 | 0.06 |
| 9. | 7 starch | 10 | 10 | 15 | — | — | — | — |
| 10. | 8 vegetable oil (including hydro- genated oil) | — | — | — | 4.89 | 5.00 | 4.94 | 0.33 |
| 11. | 9 paints and varnishes | 12 | 12 | 18 | — | 0.74 | 0.42 | 0.03 |
| 12. | 10 soap | 23 | 23 | 26 | 1.40 | 1.40 | 1.40 | 0.09 |
| 13. | 11 tanning | 32 | 32 | 47 | 0.10 | 0.10 | 0.01 | 0.01 |
| 14. | 12 cement | 19 | 19 | 19 | 2.34 | 2.34 | 2.34 | 0.16 |
| 15. | 13 glass and glassware | 27 | 27 | 40 | 0.02 | 0.01 | 0.01 | 0.00 |
| 16. | 14 ceramics | 14 | 14 | 17 | 0.01 | 0.01 | 0.01 | 0.00 |
| 17. | 15 plywood and tea chests | 14 | 14 | 19 | 0.18 | 0.06 | 0.12 | 0.01 |
| 18. | 16 paper and paper board | 41 | 41 | 44 | 5.92 | 4.34 | 5.03 | 0.35 |
| 19. | 17 matches | 25 | 25 | 30 | 12.93 | 12.93 | 12.93 | 0.87 |
| 20. | 18 cotton textiles : unclassified | 7 | 7 | 9 | 0.75 | 2.27 | 1.51 | 0.10 |
| 21. | 18a „ : spinning mills | 29 | 29 | 36 | 5.89 | 7.01 | 6.45 | 0.44 |
| 22. | 18b „ : composite mills | 167 | 167 | 188 | 422.64 | 298.12 | 360.28 | 24.36 |
| 23. | 18c „ : powerloom mills | 12 | 12 | 22 | 55.23 | 10.13 | 32.68 | 2.21 |
| 24. | 19 woollen textiles | 20 | 20 | 25 | 1.20 | 0.83 | 1.01 | 0.07 |
| 25. | 20 jute textiles | 56 | 56 | 67 | 27.74 | 2.67 | 15.20 | 1.03 |
| 26. | 21 chemicals (including drugs) | 46 | 46 | 62 | 14.26 | 14.39 | 14.33 | 0.97 |
| 27. | 22a aluminium, copper and brass : primary products | 6 | 6 | 7 | 0.70 | 0.67 | 0.70 | 0.05 |
| 28. | 22b „ „ : secondary products | 44 | 44 | 58 | 13.25 | 9.64 | 11.45 | 0.77 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 17.19 | 17.19 | 17.19 | 1.16 |
| 30. | 23b „ : secondary products | 59 | 59 | 91 | 21.65 | 73.50 | 47.58 | 3.22 |
| 31. | 24 bicycles | 13 | 13 | 17 | 0.37 | 0.59 | 0.48 | 0.03 |
| 32. | 25 sewing machines | 8 | 8 | 9 | 0.85 | 0.85 | 0.85 | 0.06 |
| 33. | 27 electric lamps | 7 | 7 | 7 | 1.02 | 1.02 | 1.02 | 0.07 |
| 34. | 28 electric fans | 8 | 8 | 9 | 1.43 | 0.94 | 1.19 | 0.08 |

TABLE 26 (Contd.) : ESTIMATES OF INPUT [(C) WORK DONE BY OTHER CONCERNS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| 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) |
| 35. 29 | general engineering and electrical engineering : unspecified | 17 | 17 | 26 | 14.31 | 14.22 | 14.30 | 0.97 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 9.85 | 9.85 | 7.58 | 0.51 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 7.84 | 86.54 | 47.20 | 3.19 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 0.93 | 0.93 | 0.93 | 0.06 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 1.26 | 2.16 | 1.71 | 0.12 |
| 40. 32 | enamelware | 3 | 3 | 5 | 0.18 | — | 0.09 | 0.01 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 2.48 | 0.09 | 1.29 | 0.09 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | — | — | — | — |
| 43. 35 | bricks, tiles, lime and surki manu- facturing | 12 | 12 | 21 | — | — | — | — |
| 44. 36 | lac | 7 | 7 | 9 | — | — | — | — |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | — | — | — | — |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | — | — | — | — |
| 47. 39 | petroleum refining | 4 | 4 | 4 | — | — | — | — |
| 48. 40 | saw milling | 21 | 21 | 31 | 0.02 | 0.02 | 0.02 | 0.00 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 1.23 | 0.35 | 0.79 | 0.05 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 19.73 | 18.54 | 19.13 | 1.29 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 0.66 | 0.50 | 0.58 | 0.04 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | — | 1.55 | 0.78 | 0.05 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 43.68 | 54.96 | 49.31 | 3.33 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 0.53 | 0.54 | 0.54 | 0.04 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 1.40 | 82.26 | 41.83 | 2.84 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 0.11 | 0.11 | 0.11 | 0.11 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 11.90 | 16.25 | 14.08 | 0.95 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 3.68 | 1.58 | 2.63 | 0.18 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 10.72 | 4.40 | 7.56 | 0.51 |
| 60. 52 | rope making | 6 | 6 | 7 | — | — | — | — |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 93.09 | 187.82 | 140.45 | 9.50 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 0.02 | — | 0.01 | 0.00 |
| 63. 55 | electricity generation and trans- formation | 24 | 24 | 35 | 16.06 | 876.28 | 401.17 | 27.11 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 16.52 | 12.82 | 14.67 | 0.99 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 20.47 | 51.39 | 35.93 | 2.43 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 2.36 | 2.36 | 2.36 | 0.16 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 1.13 | 3.64 | 2.39 | 0.16 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 62.86 | 170.48 | 116.67 | 7.89 |
| 69. | all industries | 2039 | 2039 | 2959 | 968.25 | 1991.25 | 1479.86 | 100.00 |

Manufacturing Industries : 1953

TABLE 27 : ESTIMATES OF TOTAL INPUT IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| 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 | 31 | 31 | 43 | 2420.92 | 2109.53 | 2265.22 | 1.79 |
| 2. | 2 rice milling | 125 | 125 | 217 | 7450.41 | 7705.18 | 7577.79 | 5.99 |
| 3. | 3 biscuit making | 13 | 13 | 20 | 426.59 | 312.36 | 369.48 | 0.29 |
| 4. | 4 fruits and vegetable processing | 8 | 8 | 10 | 29.73 | 68.83 | 49.23 | 0.04 |
| 5. | 5a sugar : vacuum pan factory | 83 | 83 | 96 | 5415.33 | 4329.52 | 4872.42 | 3.85 |
| 6. | 5b ,, : refineries | 3 | 3 | 4 | 88.66 | 88.66 | 88.66 | 0.07 |
| 7. | 5c ,, : gur factories | 10 | 10 | 18 | 126.38 | 150.75 | 138.56 | 0.10 |
| 8. | 6 distilleries and breweries | 14 | 14 | 19 | 177.41 | 239.13 | 208.27 | 0.16 |
| 9. | 7 starch | 10 | 10 | 15 | 536.98 | 29.54 | 283.26 | 0.22 |
| 10. | 8 vegetable oil (including hydrogenated oil) | 172 | 172 | 277 | 14529.90 | 16967.82 | 15748.75 | 12.44 |
| 11. | 9 paints and varnishes | 12 | 12 | 18 | 359.18 | 1190.93 | 775.05 | 0.61 |
| 12. | 10 soap | 23 | 23 | 26 | 1529.04 | 1517.40 | 1523.22 | 1.20 |
| 13. | 11 tanning | 32 | 32 | 47 | 673.28 | 791.18 | 723.33 | 0.57 |
| 14. | 12 cement | 19 | 19 | 19 | 1264.60 | 1264.60 | 1264.60 | 1.00 |
| 15. | 13 glass and glassware | 27 | 27 | 40 | 561.48 | 452.57 | 507.02 | 0.40 |
| 16. | 14 ceramics | 14 | 14 | 17 | 297.52 | 238.95 | 268.23 | 0.21 |
| 17. | 15 plywood and tea chests | 14 | 14 | 19 | 137.57 | 104.95 | 121.27 | 0.10 |
| 18. | 16 paper and paper board | 41 | 41 | 44 | 1159.90 | 1154.70 | 1157.30 | 0.91 |
| 19. | 17 matches | 25 | 25 | 30 | 413.77 | 380.71 | 397.24 | 0.31 |
| 20. | 18 cotton textiles : unclassified | 7 | 7 | 9 | 532.14 | 629.25 | 580.69 | 0.46 |
| 21. | 18a ,, : spinning mills | 29 | 29 | 36 | 3194.37 | 3928.92 | 3561.65 | 2.81 |
| 22. | 18b ,, : composite mills | 167 | 167 | 188 | 25439.82 | 21323.68 | 24281.74 | 19.21 |
| 23. | 18c ,, : powerloom mills | 12 | 12 | 22 | 987.41 | 876.73 | 932.07 | 0.74 |
| 24. | 19 woollen textiles | 20 | 20 | 25 | 848.22 | 1248.65 | 1048.42 | 0.83 |
| 25. | 20 jute textiles | 56 | 56 | 67 | 7293.24 | 6785.70 | 7039.47 | 5.57 |
| 26. | 21 chemicals (including drugs) | 46 | 46 | 62 | 3943.62 | 2661.38 | 3302.51 | 2.61 |
| 27. | 22a aluminium, copper and brass : primary products | 6 | 6 | 7 | 237.13 | 234.93 | 236.04 | 0.19 |
| 28. | 22b ,, ,, : secondary products | 44 | 44 | 58 | 2750.78 | 983.79 | 1867.29 | 1.48 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 2486.57 | 2486.57 | 2486.57 | 1.96 |
| 30. | 23b ,, : secondary products | 59 | 59 | 91 | 2440.59 | 3097.42 | 2769.01 | 2.19 |
| 31. | 24 bicycles | 13 | 13 | 17 | 156.68 | 160.26 | 158.48 | 0.13 |
| 32. | 25 sewing machines | 8 | 8 | 9 | 74.29 | 73.19 | 73.74 | 0.05 |
| 33. | 27 electric lamps | 7 | 7 | 7 | 53.96 | 53.96 | 53.96 | 0.04 |
| 34. | 28 electric fans | 8 | 8 | 9 | 121.80 | 135.12 | 128.47 | 0.10 |

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TABLE 27 (Contd.) : ESTIMATES OF TOTAL INPUT IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| 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. 29 | general engineering and electrical engineering : unspecified | 17 | 17 | 26 | 707.39 | 999.03 | 853.24 | 0.67 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 447.75 | 408.18 | 427.97 | 0.34 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 1909.32 | 1619.06 | 1764.19 | 1.39 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 447.51 | 441.50 | 444.51 | 0.35 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 1587.43 | 1585.12 | 1586.27 | 1.25 |
| 40. 32 | enamelware | 3 | 3 | 5 | 51.60 | 57.69 | 54.65 | 0.04 |
| 41. 33 | hume pipe and other cement and cement concrete products | 9 | 9 | 13 | 72.14 | 103.50 | 87.83 | 0.07 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 150.75 | 150.75 | 150.75 | 0.12 |
| 43. 35 | bricks, tiles, lime and surki manufacturing | 12 | 12 | 21 | 263.34 | 187.45 | 225.40 | 0.18 |
| 44. 36 | lac | 7 | 7 | 9 | 144.11 | 145.34 | 144.72 | 0.11 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 59.43 | 59.43 | 59.43 | 0.05 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 170.11 | 257.25 | 182.18 | 0.14 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 324.92 | 324.92 | 324.92 | 0.26 |
| 48. 40 | saw milling | 21 | 21 | 31 | 169.56 | 299.84 | 234.70 | 0.19 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 131.74 | 132.34 | 132.04 | 0.10 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 8404.13 | 6871.24 | 7637.68 | 6.03 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 3027.05 | 2940.93 | 2983.99 | 2.36 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 4184.03 | 1393.38 | 2788.71 | 2.20 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 1696.20 | 1590.69 | 1643.44 | 1.30 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 198.00 | 201.99 | 200.00 | 0.16 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 208.22 | 1109.40 | 658.81 | 0.52 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 38.58 | 38.58 | 38.58 | 0.03 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 708.60 | 740.33 | 724.46 | 0.57 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 138.50 | 93.00 | 115.75 | 0.09 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 4362.58 | 3672.52 | 4017.55 | 3.17 |
| 60. 52 | rope making | 6 | 6 | 7 | 97.54 | 93.19 | 95.36 | 0.08 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 1555.74 | 2487.88 | 2021.81 | 1.60 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 30.89 | 30.80 | 30.85 | 0.02 |
| 63. 55 | electricity generation and transformation | 24 | 24 | 35 | 2593.91 | 1841.12 | 2217.52 | 1.75 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 1584.31 | 1538.63 | 1561.47 | 1.23 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 257.77 | 313.97 | 285.84 | 0.23 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 238.83 | 240.02 | 239.42 | 0.19 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 108.28 | 188.82 | 148.55 | 0.12 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 5841.84 | 5440.28 | 5641.06 | 4.46 |
| 69. | all industries | 2043 | 2043 | 2339 | 130008.44 | 123174.76 | 126591.70 | 100.00 |

Manufacturing Industries : 1953

TABLE 28 : ESTIMATES OF OUTPUT [(A) PRODUCTS AND BY-PRODUCTS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| CMI classification | | sample size (number of factories) | | | item : value of output (a) products and by-products 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 | (9) |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| 1. | 1 wheat flour | 31 | 31 | 43 | 2608.62 | 2190.48 | 2399.55 | 1.30 |
| 2. | 2 rice milling | 125 | 125 | 217 | 7838.55 | 8102.11 | 7970.33 | 4.42 |
| 3. | 3 biscuit making | 13 | 13 | 20 | 684.52 | 5538.36 | 611.44 | 0.33 |
| 4. | 4 fruits and vegetable processing | 8 | 8 | 10 | 37.30 | 95.00 | 66.60 | 0.04 |
| 5. | 5a sugar : vacuum pan factory | 83 | 83 | 96 | 8017.48 | 6237.16 | 7127.32 | 3.96 |
| 6. | 5b ,, : refineries | 3 | 3 | 4 | 125.13 | 125.13 | 125.13 | 0.07 |
| 7. | 5c ,, : gur factories | 10 | 10 | 18 | 160.05 | 207.73 | 183.89 | 0.10 |
| 8. | 6 distilleries and breweries | 14 | 14 | 19 | 339.09 | 607.39 | 473.24 | 0.26 |
| 9. | 7 starch | 10 | 10 | 15 | 764.72 | 35.87 | 400.29 | 0.22 |
| 10. | 8 vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 16174.20 | 19105.17 | 17639.68 | 9.66 |
| 11. | 9 paints and varnishes | 12 | 12 | 18 | 609.75 | 1501.42 | 1055.58 | 0.57 |
| 12. | 10 soap | 23 | 23 | 26 | 2118.48 | 2078.44 | 2098.46 | 1.14 |
| 13. | 11 tanning | 32 | 32 | 47 | 831.30 | 1018.77 | 925.14 | 0.50 |
| 14. | 12 cement | 19 | 19 | 19 | 2135.89 | 2135.89 | 2135.89 | 1.16 |
| 15. | 13 glass and glassware | 27 | 27 | 40 | 966.66 | 841.78 | 904.22 | 0.49 |
| 16. | 14 ceramics | 14 | 14 | 17 | 644.31 | 577.14 | 621.02 | 0.34 |
| 17. | 15 plywood and tea chests | 14 | 14 | 19 | 228.27 | 165.82 | 197.05 | 0.11 |
| 18. | 16 paper and paper board | 41 | 41 | 44 | 2000.17 | 1981.42 | 1990.79 | 1.08 |
| 19. | 17 matches | 25 | 25 | 30 | 794.08 | 851.75 | 772.92 | 0.42 |
| 20. | 18 cotton textiles : unclassified | 7 | 7 | 9 | 772.05 | 929.87 | 850.96 | 0.46 |
| 21. | 18a ,, : spinning mills | 29 | 29 | 36 | 4591.24 | 5723.88 | 5157.56 | 2.86 |
| 22. | 18b ,, : composite mills | 167 | 167 | 188 | 38739.82 | 35561.87 | 37150.85 | 20.28 |
| 23. | 18c ,, : powerloom mills | 12 | 12 | 22 | 1348.26 | 1275.23 | 1311.74 | 0.01 |
| 24. | 19 woollen textiles | 20 | 20 | 25 | 9156.24 | 1647.92 | 1402.08 | 0.76 |
| 25. | 20 jute textiles | 56 | 56 | 67 | 11632.17 | 11206.63 | 11419.40 | 6.19 |
| 26. | 21 chemicals (including drugs) | 46 | 46 | 62 | 7689.63 | 5224.07 | 7456.85 | 3.50 |
| 27. | 22a aluminium, copper and brass : primary products | 6 | 6 | 7 | 398.46 | 397.59 | 398.02 | 0.22 |
| 28. | 22b ,, ,, : secondary products | 44 | 44 | 58 | 3078.96 | 1311.71 | 2195.34 | 1.19 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 5899.14 | 5988.14 | 5899.14 | 3.20 |
| 30. | 23b ,, : secondary products | 59 | 59 | 91 | 3985.75 | 4774.57 | 4380.16 | 2.37 |
| 31. | 24 bicycles | 13 | 13 | 17 | 295.01 | 290.28 | 292.64 | 0.16 |
| 32. | 25 sewing machines | 8 | 8 | 9 | 144.18 | 141.89 | 143.04 | 0.08 |
| 33. | 27 electric lamps | 7 | 7 | 7 | 131.45 | 131.45 | 131.45 | 0.07 |
| 34. | 28 electric fans | 8 | 8 | 9 | 238.54 | 208.98 | 223.67 | 0.13 |

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TABLE 28 (Contd.): ESTIMATES OF OUTPUT [(A) PRODUCTS AND BY-PRODUCTS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES: 1953

| number | CMI classification description | sample size (number of factories) | | | item : value of output (a) products and by-products produced 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 | 17 | 17 | 26 | 1145.97 | 1756.78 | 1451.38 | 0.79 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 670.84 | 734.54 | 702.69 | 0.38 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 2745.35 | 2453.33 | 2599.35 | 1.41 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 784.60 | 772.18 | 778.39 | 0.42 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 2377.58 | 2450.06 | 2413.82 | 1.42 |
| 40. 32 | enamelware | 3 | 3 | 5 | 96.49 | 105.68 | 101.08 | 0.05 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 123.15 | 238.58 | 180.86 | 0.10 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 251.44 | 251.44 | 251.44 | 0.14 |
| 43. 35 | bricks, tiles, lime and surki manufacturing | 12 | 12 | 21 | 530.44 | 385.54 | 458.49 | 0.25 |
| 44. 36 | lac | 7 | 7 | 9 | 169.06 | 170.91 | 169.08 | 0.09 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 76.43 | 76.43 | 76.43 | 0.04 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 169.32 | 342.93 | 256.12 | 0.14 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 717.94 | 717.94 | 717.94 | 0.39 |
| 48. 40 | saw milling | 21 | 21 | 31 | 225.52 | 418.87 | 322.20 | 0.17 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 244.79 | 281.00 | 262.00 | 0.15 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 14262.73 | 13534.14 | 13898.44 | 7.53 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 4051.66 | 3938.42 | 3995.01 | 2.16 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 4366.63 | 1401.91 | 2884.27 | 1.56 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 2464.24 | 1716.53 | 2090.38 | 1.13 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 275.04 | 272.97 | 274.01 | 0.15 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 268.18 | 376.52 | 822.35 | 0.45 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 44.54 | 44.54 | 44.54 | 0.02 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 567.86 | 528.30 | 548.08 | 0.30 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 179.15 | 121.77 | 150.46 | 0.08 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 1286.30 | 3756.28 | 4021.29 | 2.18 |
| 60. 52 | rope making | 6 | 6 | 7 | 140.60 | 135.64 | 138.12 | 0.07 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 2228.52 | 3505.26 | 2866.89 | 1.55 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 31.87 | 31.87 | 31.87 | 0.02 |
| 63. 55 | electricity generation and trans- formation | 24 | 24 | 35 | 7314.91 | 3974.81 | 5644.86 | 3.06 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 1569.13 | 1408.15 | 1488.64 | 0.81 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 290.66 | 328.64 | 309.65 | 0.17 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 295.76 | 313.63 | 304.69 | 0.17 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 214.35 | 351.85 | 284.10 | 0.15 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 8662.65 | 9283.87 | 8973.26 | 4.86 |
| 69. | all industries | 2043 | 2043 | 2959 | 189043.31 | 180205.72 | 184624.51 | 100.00 |

Manufacturing Industries : 1953

TABLE 29 : ESTIMATES OF OUTPUT [(B) WORK DONE FOR OTHER CUSTOMERS] IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| number | CMI classification description | sample size (number of factories) | | | item : value of output (b) work done by the factory for customers 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 | 31 | 31 | 43 | 26.73 | 27.17 | 26.95 | 0.39 |
| 2. | 2 rice milling | 125 | 125 | 217 | 200.89 | 134.11 | 167.50 | 2.40 |
| 3. | 3 biscuit making | 13 | 13 | 20 | 1.75 | 1.75 | 1.75 | 0.03 |
| 4. | 4 fruits and vegetable processing | 8 | 8 | 10 | 18.09 | 4.19 | 11.14 | 0.16 |
| 5. | 5b sugar : vacuum pan factory | 83 | 83 | 96 | 1.61 | 2.10 | 1.86 | 0.03 |
| 6. | 5b ,, : refineries | 3 | 3 | 4 | — | — | — | — |
| 7. | 5c ,, : gur factories | 10 | 10 | 18 | 6.31 | 9.22 | 7.77 | 0.11 |
| 8. | 6 distilleries and breweries | 14 | 14 | 19 | — | — | — | — |
| 9. | 7 starch | 10 | 10 | 15 | 0.61 | 0.83 | 0.72 | 0.01 |
| 10. | 8 vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 130.03 | 70.47 | 100.26 | 1.43 |
| 11. | 9 paints and varnishes | 12 | 12 | 18 | — | — | — | — |
| 12. | 10 soap | 23 | 23 | 26 | 0.60 | 0.60 | 0.60 | 0.01 |
| 13. | 11 tanning | 32 | 32 | 47 | 13.20 | 9.23 | 11.22 | 0.16 |
| 14. | 12 cement | 19 | 19 | 19 | 1.37 | 1.37 | 1.37 | 0.02 |
| 15. | 13 glass and glassware | 27 | 27 | 40 | 15.24 | 0.55 | 7.90 | 0.11 |
| 16. | 14 ceramics | 14 | 14 | 17 | 0.02 | 0.02 | 0.02 | 0.00 |
| 17. | 15 plywood and tea chests | 14 | 14 | 19 | 0.20 | 0.04 | 0.12 | 0.00 |
| 18. | 16 paper and paper board | 41 | 41 | 44 | 3.13 | 1.28 | 2.21 | 0.03 |
| 19. | 17 matches | 25 | 25 | 30 | 3.10 | 2.91 | 3.00 | 0.04 |
| 20. | 18 cotton textiles : unclassified | 7 | 7 | 9 | 0.80 | 0.80 | 0.80 | 0.01 |
| 21. | 18a ,, : spinning mills | 29 | 29 | 36 | 0.16 | 0.16 | 0.16 | 0.00 |
| 22. | 18b ,, : composite mills | 167 | 167 | 188 | 413.23 | 365.17 | 389.20 | 5.57 |
| 23. | 18c ,, : powerloom mills | 12 | 12 | 22 | 38.38 | 5.69 | 22.04 | 0.32 |
| 24. | 19 woollen textiles | 20 | 20 | 25 | 1.88 | 0.13 | 1.00 | 0.01 |
| 25. | 20 jute textiles | 56 | 56 | 67 | 10.99 | 0.61 | 5.80 | 0.08 |
| 26. | 21 chemicals (including drugs) | 46 | 46 | 62 | 32.52 | 43.32 | 37.92 | 0.54 |
| 27. | 22a aluminium, copper and brass : primary products | 6 | 6 | 7 | — | 0.90 | 0.45 | 0.01 |
| 28. | 22b ,, : secondary products | 44 | 44 | 58 | 65.83 | 21.07 | 43.45 | 0.62 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 0.14 | 0.14 | 0.14 | 0.00 |
| 30. | 23b ,, : secondary products | 59 | 59 | 91 | 179.64 | 118.62 | 149.13 | 2.13 |
| 31. | 24 bicycles | 13 | 13 | 17 | 0.27 | 0.08 | 0.18 | 0.00 |
| 32. | 25 sewing machines | 8 | 8 | 9 | 0.20 | 0.20 | 0.20 | 0.00 |
| 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 : 1953

| number | CMI classification description | sample size (number of factories) | | | item : value of output (b) work done by the factory for customers 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) |
| 34. | 28 electric fans | 7 | 8 | 9 | 0.21 | 46.53 | 23.37 | 0.33 |
| 35. | 29 general engineering and electrical engineering : unspecified | 17 | 17 | 26 | 177.41 | 107.52 | 142.46 | 2.04 |
| 36. | 29a ,, ,, : repairing works | 21 | 21 | 35 | 66.16 | 132.36 | 99.26 | 1.42 |
| 37. | 29b ,, ,, : manufacturing | 51 | 51 | 75 | 517.68 | 525.68 | 521.68 | 7.46 |
| 38. | 30 footwear and leather manufacturing | 12 | 12 | 13 | — | — | — | — |
| 39. | 31 rubber and rubber manufacturing | 37 | 37 | 49 | 3.13 | 2.98 | 3.06 | 0.04 |
| 40. | 32 enamelware | 3 | 3 | 5 | — | — | — | — |
| 41. | 33 hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 10.00 | — | 5.00 | 0.07 |
| 42. | 34 asbestos and asbestos cement products | 6 | 6 | 6 | — | — | — | — |
| 43. | 35 bricks, tiles, lime and surki manufacturing | 12 | 12 | 21 | 2.02 | 2.02 | 2.02 | 0.03 |
| 44. | 36 lac | 7 | 7 | 9 | — | — | — | — |
| 45. | 37 turpentine and rosin | 4 | 4 | 4 | — | — | — | — |
| 46. | 38 plastics (including gramophone records) | 8 | 8 | 13 | 0.15 | 0.66 | 0.41 | 0.01 |
| 47. | 39 petroleum refining | 4 | 4 | 4 | — | — | — | — |
| 48. | 40 saw milling | 21 | 21 | 31 | 117.37 | 63.15 | 90.26 | 1.29 |
| 49. | 41 woodware (including furniture) | 12 | 12 | 21 | 0.37 | 24.67 | 12.51 | 0.18 |
| 50. | 42 tea manufacturing | 65 | 65 | 126 | 24.08 | 79.37 | 51.72 | 0.74 |
| 51. | 43 tobacco products | 62 | 52 | 58 | 16.50 | 21.69 | 19.09 | 0.27 |
| 52. | 44 groundnut decorticating etc. | 29 | 29 | 44 | 12.01 | 27.05 | 19.53 | 0.28 |
| 53. | 45 printing and bookbinding etc. | 53 | 43 | 79 | 993.84 | 1264.41 | 1129.13 | 16.15 |
| 54. | 46 webbing narrow fabrics | 6 | 6 | 9 | — | 0.98 | 0.49 | 0.01 |
| 55. | 47 hosiery and other knitted goods | 11 | 11 | 18 | 0.26 | 16.52 | 8.39 | 0.12 |
| 56. | 48 thread and thread ball making | 3 | 3 | 5 | — | — | — | — |
| 57. | 49 textiles dyeing, bleaching etc. | 24 | 24 | 34 | 479.68 | 514.73 | 497.20 | 7.11 |
| 58. | 50 clothing and tailoring | 3 | 3 | 4 | — | — | — | — |
| 59. | 51 cotton ginning and pressing | 98 | 98 | 191 | 793.34 | 670.66 | 731.70 | 10.46 |
| 60. | 52 rope making | 6 | 6 | 7 | — | 0.44 | 0.22 | 0.00 |
| 61. | 53 silk and artificial silk | 36 | 36 | 51 | 85.57 | 56.78 | 71.18 | 1.02 |
| 62. | 54 jute pressing | 9 | 9 | 12 | 47.01 | 44.00 | 45.50 | 0.65 |
| 63. | 55 electricity generation and trans- formation | 24 | 24 | 35 | 8.64 | 2.94 | 5.79 | 0.08 |
| 64. | 56 automobiles and coach building | 65 | 65 | 98 | 929.55 | 1099.67 | 1014.61 | 14.51 |
| 65. | 57 ship building and repairing | 11 | 11 | 13 | 720.65 | 694.75 | 707.70 | 10.12 |
| 66. | 60 aircraft assembling and repairing services | 3 | 3 | 5 | 129.06 | 119.49 | 124.28 | 1.78 |
| 67. | 62 textile machineries and accessories | 11 | 11 | 14 | 38.21 | 0.41 | 13.91 | 0.28 |
| 68. | 63 unspecified industries | 155 | 155 | 238 | 616.38 | 687.90 | 652.14 | 9.32 |
| 69. | all industries | 2043 | 2043 | 2959 | 6956.20 | 7029.46 | 6993.00 | 100.00 |

Manufacturing Industries : 1953

TABLE 30 : ESTIMATES OF TOTAL OUTPUT IN FACTORIES USING POWER BY INDUSTRIES
AND SUB-SAMPLES : 1953

| CMI classification | | sample size (number of factories) | | | item : value of total output 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 | 31 | 31 | 43 | 2635.35 | 2217.65 | 2426.50 | 1.27 |
| 2. 2 | rice milling | 125 | 125 | 217 | 8039.44 | 8236.22 | 8137.83 | 4.25 |
| 3. 3 | biscuit making | 13 | 13 | 20 | 686.27 | 540.11 | 613.19 | 0.32 |
| 4. 4 | fruits and vegetable processing | 8 | 8 | 10 | 55.39 | 100.09 | 77.74 | 0.04 |
| 5. 5a | sugar : vacuum pan factory | 83 | 83 | 96 | 8019.09 | 6239.26 | 7129.18 | 3.72 |
| 6. 5b | „ : refineries | 3 | 3 | 4 | 125.13 | 125.13 | 125.13 | 0.07 |
| 7. 5c | „ : gur factories | 10 | 10 | 18 | 166.36 | 216.95 | 191.66 | 0.10 |
| 8. 6 | distilleries and breweries | 14 | 14 | 19 | 339.09 | 607.39 | 473.24 | 0.25 |
| 9. 7 | starch | 10 | 10 | 15 | 765.33 | 36.70 | 401.01 | 0.21 |
| 10. 8 | vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 16314.23 | 19175.64 | 17739.94 | 9.26 |
| 11. 9 | paints and varnishes | 12 | 12 | 18 | 609.75 | 1501.42 | 1055.58 | 0.55 |
| 12. 10 | soap | 23 | 23 | 26 | 2119.08 | 2079.04 | 2099.06 | 1.10 |
| 13. 11 | tanning | 32 | 32 | 47 | 844.70 | 1028.00 | 936.36 | 0.49 |
| 14. 12 | cement | 19 | 19 | 19 | 2137.26 | 2137.26 | 2137.26 | 1.12 |
| 15. 13 | glass and glassware | 27 | 27 | 40 | 981.90 | 842.33 | 912.12 | 0.48 |
| 16. 14 | ceramics | 14 | 14 | 17 | 664.33 | 577.76 | 621.04 | 0.32 |
| 17. 15 | plywood and tea chests | 14 | 14 | 19 | 228.47 | 165.86 | 197.17 | 0.10 |
| 18. 16 | paper and paper board | 41 | 41 | 44 | 2003.00 | 1982.70 | 1993.00 | 1.04 |
| 19. 17 | matches | 25 | 25 | 30 | 797.18 | 754.66 | 775.92 | 0.40 |
| 20. 18 | cotton textiles : unclassified | 7 | 7 | 9 | 772.85 | 930.67 | 851.76 | 0.44 |
| 21. 18a | „ : spinning mills | 29 | 29 | 36 | 4591.40 | 5724.04 | 5157.72 | 2.69 |
| 22. 18b | „ : composite mills | 167 | 167 | 188 | 39153.05 | 35927.04 | 27527.04 | 19.59 |
| 23. 18c | „ : powerloom mills | 12 | 12 | 22 | 1386.64 | 1280.92 | 1333.78 | 0.70 |
| 24. 19 | woollen textiles | 20 | 20 | 25 | 1158.12 | 1648.05 | 1403.08 | 0.73 |
| 25. 20 | jute textiles | 56 | 56 | 67 | 11643.16 | 11207.24 | 11425.20 | 5.96 |
| 26. 21 | chemicals (including drugs) | 46 | 46 | 62 | 7722.15 | 5267.39 | 6494.77 | 3.39 |
| 27. 22a | aluminium, copper and brass : primary products | 6 | 6 | 7 | 398.46 | 398.49 | 398.52 | 0.21 |
| 28. 22b | „ „ : secondary products | 44 | 44 | 58 | 3144.79 | 1332.78 | 2238.79 | 1.17 |
| 29. 23a | iron and steel : primary products | 7 | 7 | 7 | 5899.28 | 5899.28 | 5899.28 | 3.08 |
| 30. 23b | „ : secondary products | 59 | 59 | 91 | 4165.39 | 4893.19 | 4529.29 | 2.36 |
| 31. 24 | bicycles | 13 | 13 | 17 | 295.28 | 290.36 | 292.82 | 0.15 |
| 32. 25 | sewing machines | 8 | 8 | 9 | 144.38 | 142.09 | 143.24 | 0.08 |
| 33. 27 | electric lamps | 7 | 7 | 7 | 131.45 | 131.45 | 131.45 | 0.07 |
| 34. 28 | electric fans | 8 | 8 | 9 | 238.75 | 255.51 | 247.13 | 0.13 |

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TABLE 30 (Contd.): ESTIMATES OF TOTAL OUTPUT IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| CMI classification | | sample size (number of factories) | | | item : value of total output unit : lakhs of rupees | | | percentage to all industries total |
|--------------------|--|--------------------------------------|---------------------|----------------------|--|----------------------------|----------------------|---|
| number | description | sub- sample 1 | sub- sample 2 | com- bined (5) | sub- sample 1 (6) | sub- sample 2 (7) | com- bined (8) | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| 35. 29 | general engineering and electrical engineering : unspecified | 17 | 17 | 26 | 1323.38 | 1864.30 | 1593.84 | 0.83 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 737.00 | 866.90 | 801.95 | 0.42 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 3263.03 | 2979.01 | 3121.03 | 1.63 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 784.60 | 772.18 | 778.39 | 0.41 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 2380.71 | 2453.04 | 2416.88 | 1.26 |
| 40. 32 | enamelware | 3 | 3 | 5 | 96.49 | 105.68 | 101.07 | 0.05 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 133.13 | 238.58 | 185.86 | 0.10 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 251.44 | 251.44 | 251.44 | 0.13 |
| 43. 35 | bricks, tiles, lime and surki manufacturing | 12 | 12 | 21 | 532.46 | 388.56 | 460.51 | 0.24 |
| 44. 36 | lac | 7 | 7 | 9 | 169.06 | 170.91 | 169.98 | 0.09 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 76.43 | 76.43 | 76.43 | 0.04 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 169.47 | 343.59 | 256.53 | 0.13 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 717.94 | 717.94 | 717.94 | 0.37 |
| 48. 40 | saw milling | 21 | 21 | 31 | 342.89 | 482.02 | 412.46 | 0.22 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 245.16 | 305.64 | 275.41 | 0.14 |
| 50. 42 | tea manufacturing | 65 | 65 | 26 | 14286.81 | 13613.51 | 13950.16 | 7.28 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 4068.10 | 3960.11 | 4014.10 | 2.09 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 4378.64 | 1428.96 | 2903.80 | 1.52 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 3458.08 | 2980.94 | 3219.51 | 1.68 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 275.04 | 273.95 | 274.49 | 0.14 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 268.44 | 1393.04 | 830.74 | 0.43 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 44.54 | 44.54 | 44.54 | 0.02 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 1047.54 | 1043.03 | 1045.28 | 0.55 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 179.15 | 121.77 | 150.46 | 0.08 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 2079.64 | 4426.34 | 4752.99 | 2.48 |
| 60. 52 | rope making | 6 | 6 | 7 | 140.60 | 136.08 | 138.34 | 0.07 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 2314.09 | 3562.04 | 2938.07 | 1.53 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 78.88 | 75.87 | 7.37 | 0.04 |
| 63. 55 | electricity generation and transformation | 24 | 24 | 35 | 7323.55 | 3977.75 | 5644.86 | 2.95 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 2498.68 | 2507.82 | 2503.25 | 1.31 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 1011.31 | 1023.39 | 1017.35 | 0.53 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 433.12 | 433.12 | 428.97 | 0.22 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 252.56 | 352.56 | 302.41 | 0.16 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 9279.03 | 9971.77 | 9625.40 | 5.02 |
| 69. | all industries | 2043 | 2043 | 2959 | 195999.51 | 187235.18 | 191617.51 | 100.00 |

Manufacturing Industries : 1953

TABLE 31 : ESTIMATES OF VALUE ADDED IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES : 1953

| 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 | 31 | 31 | 43 | 214.43 | 108.12 | 161.28 | 0.25 |
| 2. | 2 rice milling | 125 | 125 | 217 | 589.03 | 531.04 | 560.04 | 0.86 |
| 3. | 3 biscuit making | 13 | 13 | 20 | 259.68 | 227.75 | 243.71 | 0.37 |
| 4. | 4 fruits and vegetable processing | 8 | 8 | 10 | 25.65 | 31.27 | 28.46 | 0.04 |
| 5. | 5a sugar : vacuum pan factory | 83 | 83 | 96 | 2603.76 | 1909.74 | 2256.75 | 3.47 |
| 6. | 5b „ : refineries | 3 | 3 | 4 | 36.48 | 36.48 | 36.48 | 0.06 |
| 7. | 5c „ : gur factories | 10 | 10 | 48 | 39.08 | 66.20 | 53.09 | 0.08 |
| 8. | 6 distilleries and breweries | 14 | 14 | 19 | 161.68 | 368.26 | 264.97 | 0.41 |
| 9. | 7 starch | 10 | 10 | 15 | 228.35 | 7.16 | 117.75 | 0.18 |
| 10. | 8 vegetable oil (including hydro- genated oil) | 172 | 172 | 277 | 1774.33 | 2208.04 | 1991.19 | 3.07 |
| 11. | 9 paints and varnishes | 12 | 12 | 18 | 250.57 | 310.49 | 280.53 | 0.43 |
| 12. | 10 soap | 23 | 23 | 26 | 590.05 | 561.84 | 575.84 | 0.89 |
| 13. | 11 tanning | 32 | 32 | 47 | 171.32 | 236.72 | 204.02 | 0.31 |
| 14. | 12 cement | 19 | 19 | 19 | 872.65 | 872.65 | 872.66 | 1.34 |
| 15. | 13 glass and glassware | 27 | 27 | 40 | 420.43 | 389.77 | 405.10 | 0.62 |
| 16. | 14 ceramics | 14 | 14 | 17 | 366.81 | 338.82 | 352.81 | 0.54 |
| 17. | 15 plywood and tea chests | 14 | 14 | 19 | 90.90 | 60.91 | 75.90 | 0.12 |
| 18. | 16 paper and paper board | 41 | 41 | 44 | 843.40 | 828.00 | 835.70 | 1.29 |
| 19. | 17 matches | 25 | 25 | 30 | 383.41 | 373.95 | 178.68 | 0.58 |
| 20. | 18 cotton textiles : unclassified | 7 | 7 | 9 | 240.71 | 301.42 | 271.07 | 0.42 |
| 21. | 18a „ : spinning mills | 29 | 29 | 36 | 1397.02 | 1795.12 | 1596.07 | 2.45 |
| 22. | 18b „ : composite mills | 167 | 167 | 188 | 13713.24 | 12803.37 | 13258.30 | 20.39 |
| 23. | 18c „ : powerloom mills | 12 | 12 | 22 | 399.23 | 404.19 | 401.71 | 0.62 |
| 24. | 19 woollen textiles | 20 | 20 | 25 | 309.90 | 399.41 | 354.65 | 0.55 |
| 25. | 20 jute textiles | 56 | 56 | 67 | 4349.92 | 4421.54 | 4385.73 | 6.74 |
| 26. | 21 chemicals (including drugs) | 46 | 46 | 62 | 3778.53 | 2606.00 | 3192.26 | 4.91 |
| 27. | 22a aluminium, copper and brass : primary products | 6 | 6 | 7 | 161.44 | 163.63 | 162.49 | 0.25 |
| 28. | 22b „ „ : secondary products | 54 | 44 | 58 | 394.02 | 348.98 | 371.50 | 0.57 |
| 29. | 23a iron and steel : primary products | 7 | 7 | 7 | 3412.71 | 3412.71 | 3412.71 | 5.25 |
| 30. | 23b „ : secondary products | 59 | 59 | 91 | 1724.80 | 1795.77 | 1760.28 | 2.71 |
| 31. | 24 bicycles | 13 | 13 | 17 | 138.60 | 130.09 | 134.34 | 0.21 |
| 32. | 25 sewing machines | 8 | 8 | 9 | 70.09 | 68.90 | 69.50 | 0.11 |
| 33. | 27 electric lamps | 7 | 7 | 7 | 77.49 | 77.49 | 7.49 | 0.12 |
| 34. | 28 electric fans | 8 | 8 | 9 | 116.95 | 120.38 | 118.66 | 0.18 |

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TABLE 31 (Contd.) : ESTIMATES OF VALUE ADDED IN FACTORIES USING POWER BY INDUSTRIES AND SUB-SAMPLES ; 1953

| 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) |
| 35. 29 | general engineering and electrical engineering : unspecified | 17 | 17 | 26 | 615.98 | 865.20 | 740.60 | 1.14 |
| 36. 29a | „ „ : repairing works | 21 | 21 | 35 | 289.25 | 458.72 | 373.98 | 0.58 |
| 37. 29b | „ „ : manufacturing | 51 | 51 | 75 | 1353.71 | 1359.95 | 1356.84 | 2.09 |
| 38. 30 | footwear and leather manufacturing | 12 | 12 | 13 | 337.09 | 330.67 | 333.88 | 0.51 |
| 39. 31 | rubber and rubber manufacturing | 37 | 37 | 49 | 793.29 | 867.92 | 830.61 | 1.28 |
| 40. 32 | enamelware | 3 | 3 | 5 | 44.88 | 47.98 | 46.43 | 0.07 |
| 41. 33 | hume pipes and other cement and cement concrete products | 9 | 9 | 13 | 60.99 | 135.08 | 98.03 | 0.15 |
| 42. 34 | asbestos and asbestos cement products | 6 | 6 | 6 | 100.69 | 100.69 | 100.69 | 0.15 |
| 43. 35 | bricks, tiles, lime and surki manu- facturing | 12 | 12 | 21 | 269.21 | 201.11 | 235.12 | 0.36 |
| 44. 36 | lac | 7 | 7 | 9 | 25.05 | 25.57 | 25.26 | 0.04 |
| 45. 37 | turpentine and rosin | 4 | 4 | 4 | 16.99 | 16.99 | 16.99 | 0.03 |
| 46. 38 | plastics (including gramophone records) | 8 | 8 | 13 | 62.36 | 86.34 | 74.35 | 0.11 |
| 47. 39 | petroleum refining | 4 | 4 | 4 | 393.02 | 393.02 | 393.02 | 0.60 |
| 48. 40 | saw milling | 21 | 21 | 31 | 173.33 | 182.18 | 177.76 | 0.27 |
| 49. 41 | woodware (including furniture) | 12 | 12 | 21 | 113.43 | 173.29 | 143.37 | 0.22 |
| 50. 42 | tea manufacturing | 65 | 65 | 126 | 5882.68 | 6742.27 | 6312.48 | 9.71 |
| 51. 43 | tobacco products | 52 | 52 | 58 | 1041.05 | 1019.18 | 1030.11 | 1.58 |
| 52. 44 | groundnut decorticating etc. | 29 | 29 | 44 | 194.61 | 35.58 | 115.09 | 0.18 |
| 53. 45 | printing and bookbinding etc. | 43 | 43 | 79 | 1761.88 | 1390.25 | 1576.07 | 2.42 |
| 54. 46 | webbing narrow fabrics | 6 | 6 | 9 | 77.04 | 71.94 | 74.49 | 0.11 |
| 55. 47 | hosiery and other knitted goods | 11 | 11 | 18 | 60.22 | 283.64 | 171.93 | 0.26 |
| 56. 48 | thread and thread ball making | 3 | 3 | 5 | 5.96 | 5.96 | 5.96 | 0.01 |
| 57. 49 | textiles dyeing, bleaching etc. | 24 | 24 | 34 | 338.94 | 302.70 | 320.82 | 0.49 |
| 58. 50 | clothing and tailoring | 3 | 3 | 4 | 40.65 | 28.76 | 35.71 | 0.05 |
| 59. 51 | cotton ginning and pressing | 98 | 98 | 191 | 717.06 | 753.82 | 735.44 | 1.13 |
| 60. 52 | rope making | 6 | 6 | 7 | 43.06 | 42.87 | 42.98 | 0.07 |
| 61. 53 | silk and artificial silk | 36 | 36 | 51 | 758.35 | 1074.16 | 916.26 | 1.41 |
| 62. 54 | jute pressing | 9 | 9 | 12 | 47.98 | 45.07 | 46.52 | 0.07 |
| 63. 55 | electricity generation and trans- formation | 24 | 24 | 35 | 4729.64 | 2136.63 | 3433.13 | 5.28 |
| 64. 56 | automobiles and coach building | 65 | 65 | 98 | 914.36 | 969.19 | 941.78 | 1.45 |
| 65. 57 | ship building and repairing | 11 | 11 | 13 | 753.54 | 709.49 | 731.51 | 1.13 |
| 66. 60 | aircraft assembling and repairing services | 3 | 3 | 5 | 185.99 | 193.10 | 189.55 | 0.29 |
| 67. 62 | textile machineries and accessories | 11 | 11 | 14 | 144.28 | 163.44 | 153.86 | 0.24 |
| 68. 63 | unspecified industries | 155 | 155 | 238 | 3437.19 | 4531.49 | 3984.34 | 6.13 |
| 69. | all industries | 2043 | 2043 | 2959 | 65991.02 | 64060.28 | 65025.68 | 100.00 |

APPENDIX II
FACSIMILE OF THE SCHEDULES OF INVESTIGATION

NATIONAL SAMPLE SURVEY
Establishment Schedule : Manufacturing Industries : 1954
(Reference period 1953)

| [1] identification code | | [2] geographical location | | [3] operation details | | | | | |
|--|---|-------------------------------|---|---|---|-----------------------------|--|-----|--|
| 1. industry | | 1. district | | 1. perennial/seasonal :1/2 | | | | | |
| 2. stratum | | 2. tahsil/thana | | 2. if seasonal, normal season..... | | | | | |
| 3. sample unit no. | | 3. town | | | | | | | |
| 4. scheme | | 4. post-office | | 3. months of operation in 1953..... | | | | | |
| 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 | | | | | | | | | |
| sr. no. | item | amount as on 31-12-53 | value of additions and improvements less obsolescence and sales during the year (Rs.) | rent paid (Rs.) on fixed assets during year ended on 31-12-53 | age in years (00) | expectation of life (years) | | | |
| (0) | (1) | (2) | (3) | (4) | (5) | (6) | | | |
| x | area of land (acre 00 00) | | x | x | x | x | | | |
| y | floor space of building (sq. ft. 00) | | x | x | x | x | | | |
| | | Rs. (00) | | | | | | | |
| 1. | land | | | | | | | | |
| 2. | building | | | | | | | | |
| 3. | plant & machinery | | | | | | | | |
| 4. | other fixed assets | | | | | | | | |
| 5. | sub-total-1 : (1-4) | | | | | | | | |
| 6. | raw materials, fuels etc. | | x | [5] duration of work in 1953 | | | | | |
| 7. | products finished & semi-finished | | x | sr. no. | item | | | | |
| 8. | cash in hand and at bank | | x | (0) | (1) | (2) | | | |
| 9. | sub-total-2 : (6-8) | | x | 1. no. of working days | | | | | |
| 10. | total : (sub-totals 1+2) | | | 2. shifts per day | | | | | |
| | | | | 3. length of shift (hrs.) | | | | | |
| [6] labour employed & their emoluments in 1953 | | | | | [8] housing provision for employees: as on 31-12-53 | | | | |
| sr. no. | item | total man- hours (00) | average no. per working day (00) | salaries, wages & other emoluments (Rs. 00) | sr. no. | type of employee | no. provided with accommodation by factory | | |
| (0) | (1) | (2) | (3) | (4) | | | own rented | | |
| 1. | workers directly employed | men | | | (0) | (1) | (2) | (3) | |
| 2. | | women | | | | | | | |
| 3. | | children (above 14, below 18) | | | | | | | |
| 4. | | sub-total-1 : (1+2+3) | | | | | | | |
| 5. | workers employed through contractors | x | x | | 1. | workers | | | |
| 6. | sub-total-2 : (4+5) | x | x | | 2. | other than workers | | | |
| 7. | other than workers | x | x | | 3. | total | | | |
| 8. | individual benefits (in kind) | x | x | | | | | | |
| 9. | contribution to funds(providentfund etc.) | x | x | | | | | | |
| 10. | group benefits | x | x | | | | | | |
| 11. | total : (6+7+8+9+10) | x | x | | | | | | |
| [7] employment : change in volume | | | | | | | | | |
| sr. no. | item | number as on | | | | | | | |
| | | 30-3-53 | 30-9-53 | 31-12-53 | | | | | |
| (0) | (1) | (2) | (3) | (4) | | | | | |
| 1. | workers employed directly | | | | | | | | |
| 2. | workers employed through contractors | | | | | | | | |
| 3. | sub-total (1+2) | | | | | | | | |
| 4. | supervisory employees | | | | | | | | |
| 5. | other employees | | | | | | | | |
| 6. | total: (3+4+5) | | | | | | | | |

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[2]

| [9] raw materials, chemicals, packing materials etc. consumed during 1953 | | | | | [10] products, by-products and subsidiary products during 1953 | | | | | |
|---|--|---------------------|---------------|----------------|--|----------------------|------|---------------|----------------|---|
| sr. no. | item | unit | quantity (00) | value (Rs. 00) | sr. no. | item | unit | quantity (00) | value (Rs. 00) | |
| (0) | (1) | (2) | (3) | (4) | (0) | (1) | (2) | (3) | (4) | |
| 1. | basic materials | | | | 1. | products | | | | |
| 2. | | | | | 2. | | | | | |
| 3. | | | | | 3. | | | | | |
| 4. | | | | | 4. | | | | | |
| 5. | | others | x | x | | | 5. | | | |
| 6. | | sub-total-1 : (1-5) | x | x | | | 6. | others | x | x |
| 7. | chemicals | | | | 7. | sub-total-1 : (1-6) | x | x | | |
| 8. | | | | | 8. | by-products | | | | |
| 9. | | others | x | x | 9. | | | | | |
| 10. | | sub-total-2 : (7-9) | x | x | 10. | | | | | |
| 11. | packing materials | | | | 11. | | | x | x | |
| 12. | | | | | 12. | sub-total 2 : (8-11) | x | x | | |
| 13. | | | | | 13. | subsidiary products | | | | |
| 14. | | others | x | x | 14. | | | | | |
| 15. | sub-total-3 : (11-14) | x | x | 15. | | | | | | |
| 16. | others including consumable stores | x | x | 16. | others | | x | x | | |
| 17. | transport charges etc. not included in purchase value of input materials | x | x | | 17. | sub-total-3 (13-16) | x | x | | |
| 18. | total : (6+10+15+16+17) | x | x | | 18. | total (7+12+17) | x | x | | |

| [11] fuel, lubricant and electricity consumed during 1953 | | | | | [12] total input | | [13] total output | |
|---|----------------------------------|-------------|---------------|----------------|--|--|--|--|
| sr. no. | item | unit | quantity (00) | value (Rs. 00) | 1. work done for the factory by other concerns | | 1. work done by the factory for other concerns | |
| (0) | (1) | (2) | (3) | (4) | Rs. (00) | | Rs. (00) | |
| 1. | coke, coal | ton | | | 2. total : Rs. | | 2. total : Rs. | |
| 2. | petroleum | gallon | | | [16] investigator: 1. name | | | |
| 3. | other fuel oil & lubricating oil | gallon | | | 2. date of survey | | | |
| 4. | charcoal & other fuel | x | x | | 3. no. of visits | | | |
| 5. | electricity | k.w.h. | | | 5. date despatched | | | |
| 6. | water (purchased) | 1000 gallon | | | 6. countersignature of Supdt. | | | |
| 7. | total | x | x | | 7. date | | | |
| | | | | | 8. countersignature of Asst. Director | | | |
| | | | | | 9. date | | | |

| [14] gross value of sales during 1953 | | | | [15] cost of distribution during 1953 | | | | |
|---------------------------------------|---------------------|----------------|---------|---|-----------------|---------|--|-----------------|
| sr. no. | type of purchaser | value (Rs. 00) | sr. no. | item | amount (Rs. 00) | sr. no. | item | amount (Rs. 00) |
| (0) | (1) | (2) | (0) | (1) | (2) | (0) | (1) | (2) |
| 1. | distributing agents | | 1. | discounts | | 11. | fuel & lubricants for transport equipments | |
| 2. | other wholesalers | | 2. | rebates | | 12. | maintenance & repair of transport equipments | |
| 3. | retailers | | 3. | printing & stationery | | 13. | other stores | |
| 4. | consumers | | 4. | advertisement services | | 14. | freights | |
| 5. | total | | 5. | maintenance & repair of houses & equipments | | 15. | sub-total-3 : (11-14) | |
| | | | 6. | insurance charges | | 16. | transport labour employed | |
| | | | 7. | sub-total 1 (1-6) | | 17. | interest charges | |
| | | | 8. | rental shops & godowns | | 18. | fees & taxes | |
| | | | 9. | .. other equipments | | 19. | income tax | |
| | | | 10. | sub total 2 (8-9) | | 20. | total 7 + 10 + (15 to 19) | |