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ON SOME USES OF INPUT-OUTPUT INFORMATION IN STUDYING THE  
DEMAND FOR LABOR IN THE PHILIPPINES  
(A Rough Draft of a Progress Report)

by

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Based on the Philippine I-O project undertaken by the University of the Philippines School of Economics - Bureau of the Census and Statistics, the subsequent pages attempt to explore its applicability to the study of some aspects of the Philippine manpower situation, with emphasis on the demand rather than the supply side. In so doing, the primary objective has been to stimulate appetites for further experimentation rather than to provide sustaining nourishment.

The basic Peso-transaction table was made accessible, through the great kindness of Dr. Tito A. Mijares, Director of the Bureau of the Census and Statistics at an early stage of the Bureau's project, and prior to its having had an opportunity to describe its own project, analyze the data, or release the findings of this very major undertaking.

Thanks, therefore, is due to Dr. Mijares not only for his kind assistance but also for his trust in making the preliminary information available at all for what may have seemed a premature effort.

It goes without saying that any responsibility for having used data which later may be amended and otherwise qualified, and for having used one or the other shortcut, must rest entirely with me and my impatience, because of the short remainder left of my expected stay in Manila, to avail myself of this veritable gold mine of statistical information.

My profound gratitude also goes to my two research assistants, Misses Maria Luisa Alfonso and Maria Caridad Braganza, for their untiring efforts, often hampered by deficient equipment, for their infinite patience, and for their charm and poise in making substantive recommendations and improvements. Without their valuable and cheerful help this paper literally could not have been written.

Work was started in Spring 1968 while I was visiting professor at the University of the Philippines on a Ford Foundation supported Development Economics Program, offered by the University of the Philippines School of Economics, with the assistance of the University of Wisconsin.

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One of the approaches toward forming an opinion about "demand" for labor is the input-output or interindustry approach. In spite of its well known, and sometimes severe limitations, the use of this technique would seem to be warranted, especially if a basic input-output table (a so-called transaction matrix) is available.

The Bureau of the Census and Statistics in Manila (BCS) is engaged in finalizing such a matrix which, although unchecked and preliminary, was very kindly made available to me for experimental use. Since BCS itself is now preparing a final matrix and its analysis, it is understood that it wishes to have the information treated confidentially; it made the preliminary material available with the express agreement on our part that the information be treated confidentially, that it be used for the purpose of "discussion" only, and that it not be made public prior to the contemplated official release by the Bureau.

The here presented preliminary tables should therefore be so treated, in spite of the fact that they do not disclose directly the basic data themselves, which are in terms of peso transactions rather than manpower equivalents.

A further caveat ought to be respected; since the transaction data were collected and estimated with a primary view to other than employment objectives, corrections and amendments may and will vitiate some of the estimates here presented with a view to illuminating "labor-demand" patterns.

Interindustry employment analysis may be undertaken with several objectives in mind, among them forecasting and structural analysis.

The here used transaction matrix reflects the situation in the Philippines as of 1961. Even stretching the period usually allowed in interindustry analysis of highly developed countries for assuming relative invariance of the technical coefficients, we would hardly be justified in using, in a rapidly developing hence changing structure, the 1961 matrix as the basis for the analysis of the present, let alone the future.

Furthermore, it is now expected that a new I-O matrix will be developed in the near future, at the conclusion of the current economic census.

Such a table will provide not only much more up-to-date information, but will have profited from the experience with the 1961 input-output project, the first one undertaken by the Republic of the Philippines. Therefore, forecasting on the basis of the latter information, even if time and other resources were available to us, would hardly seem warranted.

Hence, the emphasis will be in the direction of structural analysis, and even that mainly for "demonstration" purposes so as to stimulate thoughts and preparatory steps toward 1968 based employment matrices.

Within limits, a mere comparison of the manpower structures, the one in 1961 and the other in 1967/68, may prove to be more fruitful than an attempt to forecast at this time, on the basis of only one cross-section, and that one of 1961; although six years may seem a very short period, the particular period involved has been one of significant structural change in the Philippines, of the kind of change that is likely to have altered some of the basic relationships which affect the numerical values of the "employment coefficients."

Several tables will be presented and others may follow. Table I is primarily a descriptive attempt to characterize the broad outlines of the basic employment structure in 1961.

For this purpose, the Philippine economy was divided into 29 sectors for which separate employment-input estimates had to be made, roughly reflecting the situation in 1961. Employment data from various sources were adjusted and used, e.g., from the 1960 Census of Population and Housing,<sup>1/</sup> from the Philippine Statistical Survey of Households,<sup>2/</sup> and from the 1961 Economic Census of the Philippines.<sup>3/</sup>

Special adjustments had to be made for the manufacturing sectors to arrive at employment estimates because of the exclusion from the Census of "unlicensed"

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<sup>1/</sup> Bureau of the Census and Statistics, Census of the Philippines 1960, Population and Housing, (Special Report), Manila, 1965.

<sup>2/</sup> Bureau of the Census and Statistics, The Philippine Statistical Survey of Households Bulletin, Series Number 10, Labor Force, October 1961, Manila, 1963.

<sup>3/</sup> Bureau of the Census and Statistics, Economic Census of the Philippines, 1961, Volumes I through VIII, and in particular Volume III and VIII, Manila, 1965.

Establishments; to make these adjustments, population survey type of data had to be combined and matched with establishment survey based figures; this combining of data from two quite different and not necessarily commensurate information sources are likely to vitiate the results. On the other hand, the sectors most directly affected by this unsatisfactory estimation procedure turned out to be relatively very small in terms of employment.

In particular, the ratio of manufacturing employment was used as indicated in the Philippine Statistical Survey of Households of October 1961 (which shows all manufacturing employment without regard to whether or not employment was in "licensed" establishments, since it is a population type survey) to the corresponding figure of the Economic Census of 1961 (which, as already mentioned, includes only "licensed" establishments) to adjust the Census figures. Because only the latter source gives a breakdown of employment by categories relevant to the here used input-output taxonomy, a single and constant ratio had to be applied to all sector estimates of employment. Luckily, this arbitrary procedure is likely to have resulted in less distortion than was feared originally; sectors in which the contribution of "unlicensed" employment was least also turned out to be numerically the smallest -- e.g. transportation with only less than 3.5% of total manufacturing employment, and petroleum products, with only 0.3%. Hence, the weighting effect implicit in the use of a single over-all ratio estimate for all manufacturing components was hardly noticeable (in absolute numbers) when adjusting the "small" industries.

Another problem deserves notice. The employment figures here used refer to jobs rather than, say, to number of gainfully employed people. Unpaid family workers thus were included. If a different concept is to be preferred for a particular analysis, according to which demand for labor is to be limited to currently "paid"

employment, this will result in a reduction of the labor input figures as here used, in particular for agriculture (where unpaid family workers accounted for approximately 24%) and for retail and wholesale trade (where they accounted for about 14%). Thus, the here used employment estimates are intended to include wage and salary workers, self-employed, and the unpaid family workers.

Finally, one of the numerically (in terms of employment) large sectors was represented by the "other services" category (I-O sector 29). In order to sin in the direction of under rather than over-estimating direct and indirect effects on this industry category's employment, an allowance was made for government workers in non-business enterprise, and for domestics, which were subtracted from this category's employment estimate, and thus excluded altogether.

The conceptually perhaps simplest, and from the information point of view basic tableau in conventional input-output jargon is the so-called transaction table. This table lists in physical or more often in monetary terms the inter-sector transactions; it is usually an arrangement of rows and columns such that the row stub indicates the industry (*i*) which produces the "commodity" which, in turn, is used up by the sector listed at the top of a column (*j*) as an input, or which goes to the columns headed final demand (possibly to several demand categories). There thus appears in the body of the table an *n* by *n* part containing the interindustry transaction of the so-called processing sector, and an *n* by *m* part which describes the "deliveries to final demand", or generally speaking the deliveries outside the processing sector.

An analogous table was here prepared in terms of the corresponding "job" inputs and "job" content in the outputs. (Table I). This table therefore can be

interpreted as containing in a cell, say  $E_{ij}$ , the amount of estimated job units involved in the product of industry (i) provided to sector (j) as an input -- in terms of the primary factor labor rather than in terms of pesos. One might look at this table as a description, (in terms of job units) of the inter-industry flow of labor contained in the respective goods and services, by industry of origin and destination.

Table II indicates, again in terms of job units, the direct requirements of industry (j) imposed on the several supplying industries (i). There is a Table A and a Table B. These two tables differ from each other in one respect only which, however, affects the numerical content of nearly all cells, and which might be of significance for a study of the Philippine labor use because of the central and controversial role played by the service category in some of the recent discussions (as voiced among others, by Galenson and Harry Oshima). Table IIA is based on the gross services estimate which includes government employees and domestics; in Table IIB these two groups are excluded, as mentioned above. For example about 32% according to Table IIA of the first sector's total manpower input represented by that sector's output are labor inputs furnished by the "other services" category; in Table IIB this percentage is 24 only, suggesting a much smaller dependence (in terms of job units of this industry) on sector 29.

Whereas tables I and II may be used as ready reference where it is desired to glean an impression, for specific industries and for given final demand categories, concerning their use of and demand for labor (and conversely, their role in providing jobs), a much more difficult question arises when not only immediate demand and labor requirements but secondary and indirect ones are also

to be explored. For instance, one might raise the question from the overall national point of view, as to the total effect on job creation, hence on demand for labor, of an increase in sector j's production, as compared with a similar increase in the demand for, or the use of sector k's output. The problem here is to develop an estimate which, in addition to the direct requirements, also accommodates secondary and higher order employment or job effects.

Although this is a more complex question, the input-output model can be used for this purpose; (keeping in mind its general assumptions and restrictions, and last but not least the quality of the data) this is particularly tempting when a so-called inverse of the coefficient matrix is available, i.e., a general solution to the system of simultaneous equations representing the information contained in the rows and columns of the preceding two tables.

Table III is an attempt of applying the principle of this technique to labor coefficients rather than to the conventional transactions and input coefficients of the classical input-output table. A brief perusal of these tables suggests some interesting patterns concerning manpower use in general, and demand for labor as it seems to have obtained at the beginning of this decade.

A brief study of the character of the Philippine manpower use structure as expressed by the four tables will bring to the fore a great many configurations and relationships, as disclosed by the numerical values in the cells of the several tables, too many of them to be enumerated specifically. For example, comparing the entries in the processing and the final demand sectors respectively with total labor use by a given sector i, it is found that only for five sectors did final demand account for less than half of the labor input, and that for ten of them the

deliveries outside the processing sector amounted to as much as 90 percent of the particular industries' labor use. Considering that the table represents the manpower structure as of the early sixties, these results do not seem unreasonable: heavy dependence on the final demand sector as a provider of jobs, typical for a developing economy in which a large volume of commodities entering final demand coexist with a relatively minor role of the processing sector.

Looked at the economy as a whole, about 21% of the total manpower use reflected labor requirements by the production of intermediate goods, i.e., jobs in the processing segment's activities. Even after limiting the comparison to household demand the ratio, although doubling, advances to a modest 41%.

The dependence of a sector's output (again represented by job-content) can be gauged by inspection of tables I and II. Table I shows in its rows how the total manpower content of sector  $i$ 's output is distributed over the other  $j$  sectors or activities into which it becomes an input. Diagonal elements ( $i = j$ ) present manpower required by that industry from itself - the intra-sectoral flows. The columns  $j$  give a summary of the labor input required by sector  $j$  from other industries ( $i$ ) to make possible sector  $j$ 's own production activities. Table II indicates the structure of unit labor requirements per unit job content of sector  $j$ , i.e., the labor content of sector  $j$ 's immediate purchases from the sectors  $i$ . In other words, the coefficient in cell  $ij$  indicates the job units contained in the commodity transfers from sectors  $i$  to  $j$ , per unit job output of activity  $j$ . Diagonal cells again show job units involved in intra-sector flows. E.g., the entry .00248 in cell  $i = 6, j = 1$  in table II-A signifies that agriculture's output corresponding to the use of one hundred job units, require  $2\frac{1}{2}$  job units from textile production

and, mutatis mutandis, for other cells in this column. The entries in that column also show that no labor input of measurable size was required by agriculture from industries 2, 4, 5, 7, 9, 12, 16, and 17; that the largest input was required from industry 29, the next largest from industry 24, and so forth. It also can be seen that food manufacturing, for instance, (sector  $j = 3$ ) used the equivalent of 76 job units from industry 1 for every 100 job units "worth" of its own output.

Table III might be labeled "Direct and Indirect Labor Requirements" per categories of final demand. The entries in this table, analogous to the so-called inverse must be approached with particular caution; the estimation procedure here used is "quick and dirty" (and it turned out to be dirty rather than quick), instead of first estimating an analogue to the input coefficient matrix and inverting its transpose step by step. However, it is hoped that the table as it now stands will assist in conveying a general impression of the order of magnitude of the importance of indirect and higher order effects as contrasted with simple and direct requirements only.

Using table III in conjunction with the other tables, we find that the "visible", "direct", and "primary" labor use pattern in Agriculture to satisfy the bill of household demand as it existed about 1961, required about 3,200,000 jobs; this accounted for nearly 70% of all the direct manpower requirements to satisfy household demand in that year.

On the other hand there are the much less "visible", the "indirect" but no less "real" higher order requirements, which result in demand for labor, hence jobs, just as do the "direct" requirements.

Seen from that point of view, total (i.e., direct and indirect) requirements to fill the particular bill of household demand was hardly larger (3,300,000) than "direct" requirements (see table III and IV). Consequently, total job requirements in Agriculture amounted to only less than 34% of the "total" job requirement of all sectors.

Conversely, the leverage exerted by demand for labor via the vehicle of "indirect" (hence much less patent) requirements was considerably less for agriculture than for the non-agriculture industries (only about 2½%) when described by comparing indirect requirements in agriculture with those in the remainder of the economic structure.

Thus, agriculture is a large direct user of manpower in response to final demand but a negligible provider of "indirect" employment. This contrast is further sharpened in the light of the earlier mentioned existence of a heavy component of unpaid family workers in the total of the agriculture employment estimate.

Looking at the contribution to indirect employment in response to final demand expansion (here, illustrated for household demand only) the several sectors seem to fall into two neatly separated groups (see chart 1) those with little indirect effects, and those with very large ones; the manufacturing sectors fall generally in the second group (see chart 1 and table IV)\*.

Again, it should be pointed out that the translation into employment equivalents of the inter-industry taxonomy presents problems of its own, particularly in developing countries with their plural economies.

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\*In interpreting the tables it need, of course, be remembered that the units throughout are "job" units, and not perhaps "value", "pesos" or physical production units.

Among the present gaps are lack of satisfactory data which would enable the analyst to translate the conceptual equivalent of value added into "job" terms, average wages, productivity estimates, measures of underemployment, and the like, on a level commensurate with the here used inter-industry taxonomy. This would call for huge efforts not only in a "developed" economy but particularly in a dual or plural one, in which the coexistence of a subsistence and a market sector causes the within cell variances of the estimates to be not only unknown but most likely so sizeable as to interfere seriously with the straightforward and unqualified interpretation of the figures.

As many macro approaches, input-output techniques do help in disentangling configurations embedded in complex systems. However, to explore in detail the enormous number of explicit, implied, suspected, and latent relationships it is necessary to use a much stronger magnifying glasses.

The fascinating suggestions of a particular input-output pattern, interesting and stimulating as it may be, may require supporting analysis on much lower levels of aggregation.

The product mix of a particular sector's output at a given time, its establishment composition (perhaps reflecting a great disparity of co-temporaneous labor productivity situations), the presence of a pronounced non-linearity (non-additivity) whose existence is always considered a possibility but wishfully hope away because of "permissible" simplification of the particular model, all of them and many more place the manpower analyst into an even more awkward position than the general user of input-output techniques.

- 13 -

Nevertheless, as a heuristic tool this approach toward an analysis of labor demand, manpower use, and employment phenomena should not be discarded by the manpower analyst, the poor relative of the more opulent family.

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**TABLE I**  
**Employment "Transaction"\***

	1	2	3	4	5
Agriculture, Fishing & Forestry	1 : 109,271	: 5,953	: 394,498	: 572	: 202,222
Mining	2 : -	: 147	: 210	: 1	: -
All Manufactures	3 : 10,675	: -	: 12,619	: 576	: 11
Drugs	4 : -	: -	: -	: 17	: -
Auto Products	5 : -	: -	: -	: -	: 7
Textile Products	6 : 844	: -	: 2,469	: -	: -
Clothing	7 : -	: -	: -	: -	: -
All Products	8 : 464	: 17	: -	: 154	: 74
Machinery & Fixtures	9 : -	: -	: -	: -	: -
Office Products	10 : 27	: 2	: 1,097	: 20	: 1,36
Painted Materials	11 : 4	: 2	: -	: neg. <sup>1/</sup>	: 50
Other Products	12 : -	: -	: -	: -	: -
Leather Products	13 : 1	: 1	: 1	: -	: -
Chemicals	14 : 4,530	: 110	: 988	: 283	: 28
Plastic Products	15 : 149	: 75	: 175	: 4	: -
Metallic Products	16 : -	: 1	: 2,201	: 740	: -
Non-Metallic Products	17 : -	: 174	: 94	: -	: -
Non-Ferrous Metal Products	18 : 34	: 3	: 398	: 36	: neg.
Electrical Machinery	19 : 550	: 166	: -	: -	: -
Electrical Equipment	20 : 31	: -	: -	: -	: -
Transport Equipment	21 : 200	: 14	: -	: -	: -
Miscellaneous Manufactures	22 : 62	: 2	: 1,386	: 35	: 96
Construction	23 : 10,778	: 3,500	: 1,125	: 38	: 1,00
Wholesale & Retail Trade	24 : 79,216	: 12,503	: 27,251	: 1,136	: 18
Transport Services	25 : 4,199	: 722	: 2,042	: 458	: 18
Communication	26 : 487	: 540	: 4,094	: 76	: 3
Electricity, gas & water	27 : 157	: 120	: 4,094	: 65	: 4
Life Insurance & R.R.	28 : 10,123	: 296	: 2,843	: 342	: 19
Other services	29 : 108,706	: 3,423	: 58,560	: 964	: 1,00
Total	: 340,508	: 27,771	: 516,145	: 5,517	: 208,96

\*For a description see pp. 6 and 9.

	6	7	8	9	10
Agric., Fishing & Forestry	1 : 92,672	: 2,805	: 96,850	: 1,202	: 4,57
Mining	2 : -	: neg.	: 4	: -	: 4
Food Manufactures	3 : 30	: 2	: 22	: -	: 1
Beverages	4 : -	: -	: -	: -	: -
Tobacco Products	5 : -	: -	: -	: -	: -
Textile Products	6 : 9,472	: 7,882	: 7	: 290	: 3
Footwear	7 : -	: 7,870	: -	: -	: 2,4
Wood Products	8 : 14	: 225	: 7,090	: 1,132	: 1
Furniture & Fixtures	9 : -	: -	: -	: 217	: -
Paper Products	10 : 130	: 114	: 30	: 27	: 2,7
Printed Materials	11 : -	: -	: -	: 23	: 9
Leather Products	12 : -	: 1,950	: -	: 61	: -
Rubber Products	13 : 7	: 724	: -	: 67	: -
Chemicals	14 : 358	: 45	: 162	: 82	: -
Petroleum Products	15 : 22	: neg.	: 56	: neg.	: -
Non-Metallic Products	16 : -	: -	: 16	: 62	: -
Ferrous Metal Products	17 : -	: 4	: 2	: 101	: -
Non-ferrous Metal Products	18 : 2	: 68	: 29	: 139	: -
Non-electrical Machinery	19 : -	: -	: neg.	: neg.	: -
Electrical Machinery	20 : -	: -	: neg.	: 2	: -
Transport Equipment	21 : -	: -	: -	: -	: -
Miscellaneous Manufactures	22 : 436	: 101	: 264	: 251	: -
Construction	23 : 156	: 1,521	: 1,349	: 57	: 2
Wholesale & Retail Trade	24 : 13,877	: 3,508	: 27,819	: 2,885	: 23,
Transport Services	25 : 447	: 481	: 232	: 29	: -
Communication	26 : 94	: 185	: 226	: 112	: -
Electricity, gas & water	27 : 507	: 232	: 194	: 28	: -
Banking Insurance & R.E.	28 : 1,002	: 308	: 326	: 121	: -
Other services	29 : 2,326	: 1,106	: 6,252	: 521	: 1,
Total	: 121,552	: 29,131	: 140,930	: 7,409	: 35,

	: 11	: 12	: 13	: 14	: 15
Agriculture, Fishing & Forestry	1 : 57	: 2,461	: 23,755	: 6,010	: -
Mining	2 : -	: neg.	: 15	: 611	: 5,090
Food Manufactures	3 : 7	: 232	: -	: 2,359	: -
Beverages	4 : -	: -	: -	: -	: -
Tobacco Products	5 : -	: -	: -	: -	: -
Textile Products	6 : 187	: 10	: 1,365	: 56	: -
Clothing	7 : 2	: -	: -	: -	: -
Food Products	8 : 2,507	: 41	: -	: 9,963	: -
Furniture & Fixtures	9 : -	: -	: -	: -	: -
Paper Products	10 : 2,022	: 7	: 60	: 747	: 6
Printed Materials	11 : -	: -	: -	: -	: -
Rubber Products	12 : 3	: 256	: -	: 7	: -
Rubber Products	13 : -	: 36	: 322	: 5	: -
Chemicals	14 : 180	: 40	: 490	: 6,227	: 38
Petroleum Products	15 : 2	: neg.	: 8	: 68	: 4
Non-Metallic Products	16 : 1	: 3	: -	: 1,832	: 3
Non-Metallic Products	17 : 33	: -	: 4	: 41	: -
Non-ferrous Metal Products	18 : 8	: 24	: 16	: 509	: 5
Non-electrical Machinery	19 : -	: -	: -	: -	: -
Electrical Machinery	20 : -	: -	: 5	: -	: -
Transport Equipment	21 : -	: -	: -	: -	: -
Miscellaneous Manufactures	22 : 114	: 26	: 175	: 1,586	: 25
Construction	23 : 298	: 14	: 156	: 535	: 5
Wholesale & Retail Trade	24 : 348	: 1,869	: 5,285	: 55,913	: 34,808
Transport Services	25 : 348	: 17	: 313	: 768	: 1,879
Communication	26 : 362	: 67	: 194	: 442	: 60
Electricity, gas & water	27 : 53	: 18	: 187	: 385	: 6
Banking Insurance & R.E.	28 : 191	: 186	: 248	: 656	: 116
Other services	29 : 1,024	: -	: 676	: 3,501	: 1,398
Total	: 7,747	: 5,307	: 33,274	: 92,221	: 43,448

	: 16	: 17	: 18	: 19	: 20
Agriculture, Fishing & Forestry	1 : 401	: 1,030	: 1,202	: 744	: 916
Mining	2 : 1,536	: 114	: 5	: 36	: 137
Food Manufactures	3 : -	: -	: 205	: -	: -
Beverages	4 : -	: -	: -	: -	: -
Tobacco Products	5 : -	: -	: -	: -	: -
Textile Products	6 : 9	: -	: -	: -	: 10
Footwear	7 : -	: -	: -	: 172	: 20
Wood Products	8 : 141	: 34	: 577	: -	: 56
Furniture & Fixtures	9 : 1	: -	: 3	: 84	: 27
Paper Products	10 : 312	: 6	: 98	: 3	: 92
Printed Materials	11 : -	: -	: -	: 44	: neg.
Leather Products	12 : -	: 1	: -	: -	: -
Rubber Products	13 : -	: -	: 7	: -	: 60
Chemicals	14 : 119	: 14	: 82	: 12	: 123
Petroleum Products	15 : 108	: 9	: 6	: 7	: 1
Non-Metallic Products	16 : 1,469	: 52	: 654	: 8	: 196
Ferrous Metal Products	17 : 34	: 2,431	: 889	: 17	: 380
Non-ferrous Metal Products	18 : 8	: 76	: 424	: 418	: 30
Non-electrical Machinery	19 : -	: -	: neg.	: 140	: 2
Electrical Machinery	20 : -	: -	: neg.	: 517	: 1,617
Transport Equipment	21 : -	: -	: -	: 57	: 7
Miscellaneous Manufactures	22 : 238	: 92	: 298	: 148	: 266
Construction	23 : 196	: 98	: 1,490	: 601	: 300
Wholesale & Retail Trade	24 : 10,406	: 8,528	: 5,432	: 32,829	: 6,595
Transport Services	25 : 368	: 218	: 441	: 461	: 183
Communication	26 : 72	: 41	: 186	: -	: -
Electricity, gas & water	27 : 217	: 144	: 71	: 15	: 41
Banking Insurance & R.E.	28 : 513	: 375	: 361	: 374	: 368
Other services	29 : 2,276	: 1,572	: 1,152	: 1,750	: 238
Total	: 18,424	: 14,835	: 13,583	: 38,437	: 11,665

	21	22	23	24	25
Agriculture, Fishing & Forestry	1: 572	: 1,488	: -	: 7,842	: -
Mining	2: 8	: 19	: 923	: -	: 42
Food Manufactures	3: -	: -	: -	: 22	: 729
Beverages	4: -	: -	: -	: 3	: -
Tobacco Products	5: -	: -	: -	: -	: -
Textile Products	6: 12	: 328	: -	: 105	: -
Clootwear	7: 3	: -	: -	: 777	: -
Wood Products	8: 158	: 236	: 2,724	: 230	: 14
Furniture & Fixtures	9: 1	: -	: -	: 16	: 60
Paper Products	10: 18	: 51	: 119	: -	: 59
Printed Materials	11: -	: -	: -	: -	: 47
Rubber Products	12: neg.	: 21	: -	: 99	: -
Rubber Products	13: 411	: 35	: 3	: 73	: 3,018
Chemicals	14: 38	: 324	: 151	: 103	: 194
Petroleum Products	15: 4	: 2	: 25	: 40	: 679
Non-Metallic Products	16: 10	: 68	: 1,863	: 18	: 51
Ironous Metal Products	17: 176	: 106	: 401	: -	: -
Non-ferrous Metal Products	18: 198	: 92	: 408	: neg.	: 157
Non-electrical Machinery	19: 69	: -	: 54	: 96	: neg.
Electrical Machinery	20: 610	: 40	: 165	: 22	: 24
Transport Equipment	21: 704	: -	: neg.	: 7	: 857
Miscellaneous Manufactures	22: 186	: 278	: neg.	: 210	: -
Construction	23: 401	: 96	: 6,770	: -	: 19,451
Wholesale & Retail Trade	24: 10,250	: 12,164	: -	: -	: -
Transport Services	25: 1,720	: 682	: 818	: -	: 516
Communication	26: 61	: 72	: 130	: -	: 45
Electricity, gas & water	27: 38	: 42	: 85	: 418	: 51
Banking Insurance & R.E.	28: 366	: 473	: 1,577	: 260	: 834
Other services	29: 407	: 434	: 384	: -	: 7,179
Total	: 16,421	: 17,051	: 16,600	: 10,341	: 34,007

	: 26	: 27	: 28	: 29	: 1 to 29
Agric., Fishing & Forestry	1 : -	: -	: -	: 10,368	: 967,470
Mining	2 : -	: -	: -	: -	: 8,951
Food Manufactures	3 : -	: -	: -	: 1,060	: 28,558
Beverages	4 : -	: -	: -	: 670	: 691
Tobacco Products	5 : -	: -	: -	: 90	: 164
Textile Products	6 : -	: -	: -	: 62	: 23,141
Footwear	7 : -	: -	: -	: 2,824	: 14,142
Wood Products	8 : -	: 2	: 26	: 59	: 26,622
Furniture & Fixtures	9 : -	: -	: 243	: -	: 652
Paper Products	10 : -	: 7	: 270	: 74	: 9,497
Printed Materials	11 : -	: 102	: 40	: 49	: 914
Leather Products	12 : -	: -	: -	: -	: 2,400
Rubber Products	13 : -	: -	: -	: -	: 4,773
Chemicals	14 : -	: 42	: 10	: 90	: 15,186
Petroleum Products	15 : neg.	: 172	: 2	: 10	: 1,647
Non-Metallic Products	16 : -	: 4	: -	: 158	: 9,428
Ironous Metal Products	17 : -	: 12	: -	: -	: 4,903
Non-ferrous Metal Products	18 : -	: 4	: -	: -	: 3,103
Electro-electrical Machinery	19 : -	: 2	: -	: -	: 1,082
Electrical Machinery	20 : -	: 6	: -	: -	: 3,042
Transport Equipment	21 : 123	: 2	: 5	: -	: 1,976
Miscellaneous Manufactures	22 : -	: 12	: 55	: 73	: 7,368
Construction	23 : 276	: 1,840	: 300	: 12,378	: 64,998
Wholesale & Retail Trade	24 : -	: -	: 16,589	: -	: 392,991
Transport Services	25 : -	: 386	: 864	: 1,212	: 20,190
Communication	26 : -	: 80	: 1,190	: 687	: 9,619
Electricity, gas & water	27 : 40	: 1,528	: 122	: 757	: 9,839
Banking Insurance & R.E.	28 : 100	: 410	: 451	: 966	: 24,709
Other services	29 : -	: 498	: 3,820	: 10,552	: 220,960
<b>Total</b>	: 539	: 5,109	: 23,987	: 42,131	: 1,879,010

		FINAL DEMAND	Capital Formation	
		Households 30	Government 31	32
Agric., Fishing & Forestry	1:	3,201,032	53,061	1,234,896
Mining	2:	-	-	1,632
Food Manufactures	3:	181,110	2	2,835
Beverages	4:	27,324	-	2,886
Tobacco Products	5:	35,694	-	769
Textile Products	6:	46,713	-	9,293
Footwear	7:	118,273	14	13,525
Food Products	8:	28,291	24,042	3,377
Furniture & Fixtures	9:	24,656	-	599
Paper Products	10:	5,005	312	1,185
Printed Materials	11:	14,898	23,480	1,689
Leather Products	12:	131	-	4,215
Rubber Products	13:	6,705	120	8,399
Chemicals	14:	23,209	110	3,686
Petroleum Products	15:	629	74	651
Non-Metallic Products	16:	6,446	7,396	10,725
Inferrous Metal Products	17:	-	-	11,922
Non-ferrous Metal Products	18:	2,483	2,708	31,703
Electrical Machinery	19:	1,112	326	25,479
Optical Machinery	20:	7,305	114	11,539
Transport Equipment	21:	6,344	5,654	16,025
Miscellaneous Manufactures	22:	1,988	11,887	3,504
Construction	23:	101,985	35,774	70,242
Wholesale & Retail Trade	24:	350,223	12,613	160,171
Transport Services	25:	215,537	4,626	49,648
Communication	26:	5,800	1,068	1,513
Electricity, gas & water	27:	5,283	6,387	490
Life Insurance & R.E.	28:	11,905	828	2,094
Other services	29:	180,817	16,009	4,236
Total	:	4,610,898	206,605	1,688,928

FINAL DEMAND				
Exports	30 to 33		1 to 33	:
33				
267,540	: 4,756,530		: 5,724,000	: 1 Agric., Fishing & Forestry
				: :
23,417	: 25,049		: 34,000	: 2 Mining
				: :
34,494	: 218,442		: 247,000	: 3 Food Manufactures
				: :
99	: 30,309		: 31,000	: 4 Beverages
				: :
1,372	: 37,835		: 38,000	: 5 Tobacco Products
				: :
11,853	: 67,859		: 91,000	: 6 Textile Products
				: :
23,046	: 154,858		: 169,000	: 7 Footwear
				: :
9,667	: 65,378		: 92,000	: 8 Wood Products
				: :
93	: 25,348		: 26,000	: 9 Furniture & Fixtures
				: :
-	: 6,503		: 16,000	: 10 Paper Products
				: :
19	: 40,086		: 41,000	: 11 Printed Materials
				: :
254	: 4,600		: 7,000	: 12 Leather Products
				: :
2	: 15,227		: 20,000	: 13 Rubber Products
				: :
2,809	: 29,814		: 45,000	: 14 Chemicals
				: :
neg.	: 1,353		: 3,000	: 15 Petroleum Products
				: :
5	: 24,572		: 34,000	: 16 Non-Metallic Products
				: :
174	: 12,096		: 17,000	: 17 Ferrous Metal Products
				: :
4	: 36,897		: 40,000	: 18 Non-ferrous Metal Products
				: :
2	: 26,918		: 28,000	: 19 Non-electrical Machinery
				: :
-	: 18,958		: 22,000	: 20 Electrical Machinery
				: :
neg.	: 28,024		: 30,000	: 21 Transport Equipment
				: :
254	: 17,632		: 25,000	: 22 Miscellaneous Manufactures
				: :
-	: 208,001		: 273,000	: 23 Construction
				: :
-	: 523,008		: 916,000	: 24 Wholesale & Retail Trade
				: :
-	: 269,810		: 290,000	: 25 Transport Services
				: :
-	: 8,381		: 18,000	: 26 Communication
				: :
-	: 12,161		: 22,000	: 27 Electricity, gas & water
				: :
1,464	: 16,291		: 41,000	: 28 Banking Insurance & R.E.
				: :
34,979	: 236,040		: 457,000	: 29 Other services
				: :
11,547	: 6,917,980		: 8,797,000	: Total
				: :

TABLE II-A\*

	1	2	3	4	5
Agric., Fishing & Forestry	1: .32091	: .21436	: .76430	: .10368	: .96801
Mining	2: -	: .00529	: .00041	: .00018	: -
Food Manufactures	3: .03135	: -	: .02445	: .10440	: .00005
Liquor & Beverages	4: -	: -	: -	: .00308	: -
Tobacco Products	5: -	: -	: -	: -	: .00036
Textile Products	6: .00248	: -	: .00478	: -	: -
Footwear	7: -	: -	: -	: -	: -
Wood Products	8: .00248	: .00061	: -	: .02791	: .00358
Furniture & Fixtures	9: -	: -	: -	: -	: -
Paper Products	10: .00008	: .00007	: .00212	: .00362	: .00653
Printed Materials	11: .00001	: .00007	: -	: neg.	: .00242
Leather Products	12: -	: -	: -	: -	: -
Rubber Products	13: .000002	: .00004	: .0000019	: -	: -
Chemicals	14: .01330	: .00396	: .00191	: .05130	: .00137
Petroleum Products	15: .00044	: .00270	: .00034	: .00072	: .00004
Non-Metallic Products	16: -	: .00004	: .00426	: .13413	: -
Ferrous Metal Products	17: -	: .00626	: .00018	: -	: -
Non-ferrous Metal Products	18: .00010	: .00011	: .00077	: .00652	: neg.
Non-electrical Machinery	19: .00162	: .00598	: -	: -	: -
Electrical Machinery	20: .00009	: -	: -	: -	: -
Transport Equipment	21: .00059	: .00050	: -	: -	: -
Miscellaneous Manufactures	22: .00018	: .00007	: .00268	: .00634	: .00461
Construction	23: .03165	: .12603	: .00218	: .00689	: .00510
Wholesale & Retail Trade	24: .23264	: .45022	: .05280	: .20591	: .00088
Transport Services	25: .01233	: .02600	: .00396	: .08302	: .00090
Communication	26: .00143	: .01944	: .00793	: .01378	: .00017
Electricity, gas & water	27: .00046	: .00432	: .00793	: .01178	: .00020
Banking Insurance & R.E.	28: .02973	: .01066	: .00551	: .06199	: .00092
Other services	29: .31925	: .12326	: .11345	: .17473	: .00483
	:	:	:	:	:
	:	:	:	:	:

	6	7	8	9	10
Agric., Fishing & Forestry	1: .76240	: .09629	: .68722	: .16223	: .12728
Mining	2: -	: neg.	: .00003	: -	: .00136
Food Manufactures	3: .00025	: .00007	: .00016	: -	: .00028
Beverages	4: -	: -	: -	: -	: -
Tobacco Products	5: -	: -	: -	: -	: -
Textile Products	6: .07792	: .27057	: .00005	: .03914	: .00089
Footwear	7: -	: .27016	: -	: -	: .06871
Wood Products	8: .00012	: .00772	: .05031	: .15279	: .00022
Furniture & Fixtures	9: -	: -	: -	: .02929	: -
Paper Products	10: .00107	: .00391	: .00021	: .00364	: .07594
Printed Materials	11: -	: -	: -	: .00310	: .00261
Leather Products	12: -	: .06694	: -	: .00823	: -
Rubber Products	13: .00006	: .02485	: -	: .00904	: .00003
Chemicals	14: .00294	: .00154	: .00115	: .01107	: .00175
Petroleum Products	15: .00018	: neg.	: .00040	: neg.	: .00017
Non-Metallic Products	16: -	: -	: .00011	: .00837	: .00028
Ironous Metal Products	17: -	: .00014	: .00001	: .01363	: .00011
Non-ferrous Metal Products	18: .00002	: .00233	: .00020	: .01876	: .00042
Non-electrical Machinery	19: -	: -	: neg.	: neg.	: neg.
Electrical Machinery	20: -	: -	: neg.	: .00027	: -
Transport Equipment	21: -	: -	: -	: -	: -
Miscellaneous Manufactures	22: .00359	: .00347	: .00187	: .03388	: .00236
Construction	23: .00128	: .05221	: .00957	: .00769	: .00570
Wholesale & Retail Trade	24: .11416	: .12042	: .19740	: .38939	: .65590
Transport Services	25: .00368	: .01651	: .00165	: .00391	: .00548
Communication	26: .00077	: .00635	: .00160	: .01512	: .00225
Electricity, gas & water	27: .00417	: .00796	: .00138	: .00378	: .00498
Banking Insurance & R.E.	28: .00824	: .01057	: .00231	: .01633	: .00912
Other services	29: .01914	: .03797	: .04436	: .07032	: .03416

	11	12	13	14	15
Agric., Fishing & Forestry	1: .00736	: .46373	: .71390	: .06517	: -
	:	:	:	:	:
Mining	2: -	: neg.	: .00045	: .00662	: .11715
	:	:	:	:	:
Food Manufactures	3: .00090	: .04372	: -	: .02558	: -
	:	:	:	:	:
Beverages	4: -	: -	: -	: -	: -
	:	:	:	:	:
Tobacco Products	5: -	: -	: -	: -	: -
	:	:	:	:	:
Textile Products	6: .02414	: .00188	: .04102	: .00061	: -
	:	:	:	:	:
Footwear	7: .00026	: -	: -	: -	: -
	:	:	:	:	:
Wood Products	8: .32360	: .00772	: -	: .10804	: -
	:	:	:	:	:
Furniture & Fixtures	9: -	: -	: -	: -	: -
	:	:	:	:	:
Paper Products	10: .26100	: .00132	: .00180	: .00810	: .00014
	:	:	:	:	:
Printed Materials	11: -	: -	: -	: -	: -
	:	:	:	:	:
Leather Products	12: .00039	: .04824	: -	: .00008	: -
	:	:	:	:	:
Rubber Products	13: -	: .00678	: .00968	: .00005	: -
	:	:	:	:	:
Chemicals	14: .02323	: .00754	: .01472	: .06752	: .00087
	:	:	:	:	:
Petroleum Products	15: .00026	: neg.	: .00024	: .00074	: .00009
	:	:	:	:	:
Non-Metallic Products	16: .00013	: .00056	: -	: .01987	: .00018
	:	:	:	:	:
Ferrous Metal Products	17: .00426	: -	: .00012	: .00044	: -
	:	:	:	:	:
Non-ferrous Metal Products	18: .00103	: .00452	: .00048	: .00552	: .00012
	:	:	:	:	:
Non-electrical Machinery	19: -	: -	: -	: -	: -
	:	:	:	:	:
Electrical Machinery	20: -	: -	: .00015	: -	: -
	:	:	:	:	:
Transport Equipment	21: -	: -	: -	: -	: -
	:	:	:	:	:
Miscellaneous Manufactures	22: .01472	: .00490	: .00526	: .01720	: .00058
	:	:	:	:	:
Construction	23: .03846	: .00264	: .00469	: .00580	: .00012
	:	:	:	:	:
Wholesale & Retail Trade	24: .04492	: .35218	: .15883	: .60632	: .80114
	:	:	:	:	:
Transport Services	25: .04492	: .00320	: .00941	: .00833	: .04325
	:	:	:	:	:
Communication	26: .04673	: .01262	: .00583	: .00479	: .00138
	:	:	:	:	:
Electricity, gas & water	27: .00684	: .00339	: .00562	: .00417	: .00011
	:	:	:	:	:
Banking Insurance & R.E.	28: .02465	: .03505	: .00745	: .00711	: .00267
	:	:	:	:	:
Other services	29: .13218	: -	: .02032	: .03796	: .03218
	:	:	:	:	:
	:	:	:	:	:

	16	17	18	19	20
Agriculture, Fishing & Forestry	1 : .02176	: .06943	: .08849	: .01936	: .07852
Mining	2 : .08337	: .00768	: .00037	: .00094	: .01174
Food Manufactures	3 : -	: -	: .01509	: -	: -
Beverages	4 : -	: -	: -	: -	: -
Tobacco Products	5 : -	: -	: -	: -	: -
Textile Products	6 : .00049	: -	: -	: -	: .00086
Footwear	7 : -	: -	: -	: .00447	: .00171
Wood Products	8 : .00765	: .00229	: .04248	: -	: .00480
Furniture & Fixtures	9 : .00005	: -	: .00022	: .00218	: .00231
Paper Products	10 : .01693	: .00040	: .00721	: .00008	: .00781
Printed Materials	11 : -	: -	: -	: .00114	: neg
Other Products	12 : -	: .00007	: -	: -	: -
Other Products	13 : -	: -	: .00052	: -	: .00511
Chemicals	14 : .00646	: .00094	: .00604	: .00031	: .01051
Plastic Products	15 : .00586	: .00061	: .00044	: .00018	: .00000
Non-Metallic Products	16 : .07973	: .00350	: .04815	: .00021	: .01641
Non-Ferrous Metal Products	17 : .00184	: .16387	: .06545	: .00044	: .03212
Ferrous Metal Products	18 : .00043	: .00512	: .03122	: .01087	: .00212
Electrical Machinery	19 : -	: -	: neg.	: .00364	: .00000
Optical Machinery	20 : -	: -	: neg.	: .01345	: .13800
Transport Equipment	21 : -	: -	: -	: .00148	: .00000
Miscellaneous Manufactures	22 : .01292	: .00620	: .02194	: .00385	: .02200
Communication	23 : .01064	: .00660	: .10970	: .01564	: .02300
Trade & Retail Trade	24 : .956481	: .57486	: .39991	: .85408	: .56100
Transport Services	25 : .01997	: .01469	: .03247	: .01199	: .01100
Education	26 : .00391	: .00276	: .01369	: -	: -
Electricity, gas & water	27 : .01178	: .00971	: .00523	: .00039	: .00000
Banking Insurance & R.E.	28 : .02784	: .02528	: .02658	: .00973	: .03000
Other services	29 : .12353	: .10596	: .08481	: .04533	: .02100

	21	22	23	24	25
Agriculture, Fishing & Forestry	1 : .03483	: .08727	: -	: .75834	: -
Mining	2 : .00049	: .00111	: .05560	: -	: .00124
Food Manufactures	3 : -	: -	: -	: .00213	: .02144
Beverages	4 : -	: -	: -	: .00029	: -
Tobacco Products	5 : -	: -	: -	: -	: -
Textile Products	6 : .00073	: .01924	: -	: .01015	: -
Footwear	7 : .00018	: -	: -	: .07514	: -
Food Products	8 : .00962	: .01384	: .16410	: .02224	: .00041
Machinery & Fixtures	9 : .00006	: -	: -	: .00155	: .00176
Other Products	10 : .00110	: .00299	: .00717	: -	: .00173
Painted Materials	11 : -	: -	: -	: -	: .00138
Other Products	12 : neg.	: .00123	: -	: .00957	: -
Other Products	13 : .02503	: .00205	: .00018	: .00706	: .08875
Chemicals	14 : .00231	: .01900	: .00910	: .00996	: .00570
Fuel Oil Products	15 : .00024	: .00012	: .00151	: .00387	: .01997
Non-Metallic Products	16 : .00061	: .00399	: .11223	: .00174	: .00150
Non-Ferrous Metal Products	17 : .01072	: .00622	: .02416	: -	: -
Non-Ferrous Metal Products	18 : .01206	: .00540	: .02458	: neg.	: .00462
Electrical Machinery	19 : .00420	: -	: .00325	: .00928	: neg.
Electrical Machinery	20 : .03715	: .00234	: .00994	: .00213	: .00071
Transport Equipment	21 : .04287	: -	: neg.	: .00068	: .02520
Miscellaneous Manufactures	22 : .01133	: .01630	: neg.	: .02031	: -
Construction	23 : .02442	: .00563	: .40783	: -	: .57198
Wholesale & Retail Trade	24 : .62420	: .71339	: -	: -	: -
Transport Services	25 : .10474	: .04000	: .04928	: -	: .01517
Communication	26 : .00371	: .00422	: .00783	: -	: .00132
Electricity, gas & water	27 : .00231	: .00246	: .00512	: .04042	: .00150
Life Insurance & R.R.	28 : .02229	: .02774	: .09500	: .02514	: .02452
Other services	29 : .02478	: .02545	: .02313	: -	: .21110
	: :	: :	: :	: :	: :

	26	27	28	29	1 to 29
Ind., Fishing & Forestry	1 : -	: -	: -	: .24589	: .51488
Mining	2 : -	: -	: -	: -	: .00476
Food Manufactures	3 : -	: -	: -	: .02516	: .01520
Beverages	4 : -	: -	: -	: .01590	: .00037
Tobacco Products	5 : -	: -	: -	: .00214	: .00009
Textile Products	6 : -	: -	: -	: .00147	: .01232
Clothing	7 : -	: -	: -	: .06703	: .00753
Chemical Products	8 : -	: .00039	: .00108	: .00140	: .01417
Furniture & Fixtures	9 : -	: -	: .01013	: -	: .00035
Leather Products	10 : -	: .00137	: .01126	: .00176	: .00505
Painted Materials	11 : -	: .01996	: .00167	: .00116	: .00049
Other Products	12 : -	: -	: -	: -	: .00128
Automobile Products	13 : -	: -	: -	: -	: .00254
Chemicals	14 : -	: .00822	: .00042	: .00214	: .00808
Petroleum Products	15 : neg.	: .03366	: .00008	: .00024	: .00088
Non-Metallic Products	16 : -	: .00078	: -	: .00375	: .00502
Non-Ferrous Metal Products	17 : -	: .00235	: -	: -	: .00261
Ferrous Metal Products	18 : -	: .00078	: -	: -	: .00165
Electrical Machinery	19 : -	: .00039	: -	: -	: .00058
Optical Machinery	20 : -	: .00117	: -	: -	: .00162
Sport Equipment	21 : .22878	: .00039	: .00021	: -	: .00105
Miscellaneous Manufactures	22 : -	: .00235	: .00229	: .00173	: .00392
Construction	23 : .51336	: .36014	: .01251	: .29379	: .03459
Trade & Retail Trade	24 : -	: -	: .69158	: -	: .20914
Transport Services	25 : -	: .07555	: .03602	: .02877	: .01074
Communication	26 : -	: .01566	: .04961	: .01630	: .00512
Electricity, gas & water	27 : .07440	: .29908	: .00509	: .01797	: .00524
Life Insurance & R.E.	28 : .18600	: .08025	: .01880	: .02293	: .01315
Other services	29 : -	: .09747	: .15925	: .25045	: .11759

	26	27	28	29	1 to 29
Agricult., Fishing & Forestry	1 :	-	:	-	:
:	2 :	-	:	-	:
Mining	3 :	-	:	-	:
Food Manufactures	4 :	-	:	-	:
Beverages	5 :	-	:	-	:
Tobacco Products	6 :	-	:	-	:
Textile Products	7 :	-	:	-	:
Clothing	8 :	-	:	.00039	:
Furniture & Fixtures	9 :	-	:	.01013	:
Other Products	10 :	-	:	.00137	:
Printed Materials	11 :	-	:	.01996	:
Other Products	12 :	-	:	-	:
Other Products	13 :	-	:	-	:
Chemicals	14 :	-	:	.00822	:
Alcohol Products	15 :	neg.	:	.03366	:
Metallic Products	16 :	-	:	.00078	:
Non-Metal Products	17 :	-	:	.00235	:
Non-Ferrous Metal Products	18 :	-	:	.00078	:
Electrical Machinery	19 :	-	:	.00039	:
Industrial Machinery	20 :	-	:	.00117	:
Transport Equipment	21 :	.22878	:	.00039	:
Miscellaneous Manufactures	22 :	-	:	.00235	:
Construction	23 :	.51336	:	.36014	:
Wholesale & Retail Trade	24 :	-	:	-	:
Transport Services	25 :	-	:	.07553	:
Communication	26 :	-	:	.01566	:
Electricity, gas & water	27 :	.07440	:	.29908	:
Life Insurance & R.E.	28 :	.18600	:	.08025	:
Other services	29 :	-	:	.09747	:
	:	:	:	.15925	:
	:	:	:	.25045	:
	:	:	:	.11759	:

TABLE II-B\*

	1	2	3	4	5
Agricult., Fishing & Forestry	1 : .35819	: .22333	: .79369	: .10994	: .96955
Mining	2 : -	: .00551	: .00042	: .00019	: -
Food Manufactures	3 : .03499	: -	: .02539	: .11071	: .00005
Beverages	4 : -	: -	: -	: .00327	: -
Tobacco Products	5 : -	: -	: -	: -	: .00036
Textile Products	6 : .00277	: -	: .00497	: -	: -
Footwear	7 : -	: -	: -	: -	: -
Wood Products	8 : .00152	: .00064	: -	: .02960	: .00359
Furniture & Fixtures	9 : -	: -	: -	: -	: -
Paper Products	10 : .00009	: .00008	: .00221	: .00384	: .00654
Printed Materials	11 : .00001	: .00008	: -	: neg.	: .00242
Leather Products	12 : -	: -	: -	: -	: -
Rubber Products	13 : .0000033	: .00004	: .0000020	: -	: -
Chemicals	14 : .01485	: .00413	: .00199	: .05439	: .00138
Petroleum Products	15 : .00049	: .00281	: .00035	: .00077	: .00004
Non-Metallic Products	16 : -	: .00004	: .00443	: .14223	: -
Ferrous Metal Products	17 : -	: .00653	: .00019	: -	: -
Non-ferrous Metal Products	18 : .00011	: .00011	: .00080	: .00692	: neg.
Non-electrical Machinery	19 : .00180	: .00623	: -	: -	: -
Electrical Machinery	20 : .00010	: -	: -	: -	: -
Transport Equipment	21 : .00066	: .00052	: -	: -	: -
Miscellaneous Manufactures	22 : .00020	: .00008	: .00279	: .00673	: .00462
Construction	23 : .03533	: .13131	: .00226	: .00730	: .00510
Wholesale & Retail Trade	24 : .25967	: .46906	: .05483	: .21834	: .00088
Transport Services	25 : .01376	: .02709	: .00411	: .08803	: .00090
Communication	26 : .00160	: .02026	: .00824	: .01461	: .00017
Electricity, gas & water	27 : .00051	: .00450	: .00824	: .01249	: .00021
Banking Insurance & R.E.	28 : .03318	: .01110	: .00572	: .06573	: .00092
Other services	29 : .24016	: .08655	: .07940	: .12493	: .00326
	:	:	:	:	:
	:	:	:	:	:

	6	7	8	9	10
<b>Agric., Fishing &amp; Forestry</b>	1 : .76719	: .09750	: .69731	: .16604	: .12872
	: -	: neg.	: .00003	: -	: .00138
<b>Mining</b>	2 : -				
	: -	: -	: -	: -	: -
<b>Food Manufactures</b>	3 : .00025	: .00007	: .00016	: -	: .00028
	: -				
<b>Beverages</b>	4 : -	: -	: -	: -	: -
	: -				
<b>Tobacco Products</b>	5 : -	: -	: -	: -	: -
	: -				
<b>Textile Products</b>	6 : .07841	: .27396	: .00005	: .04006	: .00090
	: -	: .27354	: -	: -	: .06949
<b>Footwear</b>	7 : -				
	: -				
<b>Wood Products</b>	8 : .00012	: .00782	: .05105	: .15637	: .00022
	: -				
<b>Furniture &amp; Fixtures</b>	9 : -	: -	: -	: .02998	: -
	: -				
<b>Paper Products</b>	10 : .00108	: .00396	: .00022	: .00373	: .07680
	: -				
<b>Printed Materials</b>	11 : -	: -	: -	: .00318	: .00264
	: -				
<b>Leather Products</b>	12 : -	: .06778	: -	: .00843	: -
	: -				
<b>Rubber Products</b>	13 : .00006	: .02516	: -	: .00926	: .00003
	: -				
<b>Chemicals</b>	14 : .00296	: .00156	: .00117	: .01133	: .00177
	: -				
<b>Petroleum Products</b>	15 : .00018	: neg.	: .00040	: neg.	: .00017
	: -				
<b>Non-Metallic Products</b>	16 : -	: -	: .00012	: .00856	: .00028
	: -				
<b>Ferrous Metal Products</b>	17 : -	: .00014	: .00001	: .01395	: .00011
	: -				
<b>Non-ferrous Metal Products</b>	18 : .00002	: .00236	: .00021	: .01920	: .00042
	: -				
<b>Non-electrical Machinery</b>	19 : -	: -	: neg.	: neg.	: neg.
	: -				
<b>Electrical Machinery</b>	20 : -	: -	: neg.	: .00028	: -
	: -				
<b>Transport Equipment</b>	21 : -	: -	: -	: -	: -
	: -				
<b>Miscellaneous Manufactures</b>	22 : .00361	: .00351	: .00190	: .03467	: .00239
	: -				
<b>Construction</b>	23 : .00129	: .05287	: .00971	: .00787	: .00576
	: -				
<b>Wholesale &amp; Retail Trade</b>	24 : .11488	: .12193	: .20029	: .39853	: .66328
	: -				
<b>Transport Services</b>	25 : .00370	: .01672	: .00167	: .00401	: .00554
	: -				
<b>Communication</b>	26 : .00078	: .00643	: .00163	: .01547	: .00228
	: -				
<b>Electricity, gas &amp; water</b>	27 : .00420	: .00806	: .00140	: .00387	: .00503
	: -				
<b>Banking Insurance &amp; R.E.</b>	28 : .00830	: .01070	: .00235	: .01671	: .00922
	: -				
<b>Other services</b>	29 : .01298	: .02589	: .03033	: .04849	: .02328
	: -				

	11	12	13	14	15
Agric., Fishing & Forestry	1 : .00769	: .46373	: .71868	: .06598	: -
Mining	2 : -	: neg.	: .00045	: .00671	: .11839
Food Manufactures	3 : .00094	: .04372	: -	: .02590	: -
Beverages	4 : -	: -	: -	: -	: -
Tobacco Products	5 : -	: -	: -	: -	: -
Textile Products	6 : .02523	: .00188	: .04130	: .00061	: -
Footwear	7 : .00027	: -	: -	: -	: -
Wood Products	8 : .33819	: .00772	: -	: .10938	: -
Furniture & Fixtures	9 : -	: -	: -	: -	: -
Paper Products	10 : .27277	: .00132	: .00182	: .00820	: .00014
Printed Materials	11 : -	: -	: -	: -	: -
Leather Products	12 : .00040	: .04824	: -	: .00008	: -
Rubber Products	13 : -	: .00678	: .00974	: .00005	: -
Chemicals	14 : .02428	: .00754	: .01482	: .06837	: .00088
Petroleum Products	15 : .00027	: neg.	: .00024	: .00075	: .00005
Non-Metallic Products	16 : .00013	: .00056	: -	: .02011	: .0001
Ferrous Metal Products	17 : .00445	: -	: .00012	: .00045	: -
Non-ferrous Metal Products	18 : .00108	: .00452	: .00048	: .00559	: .0001
Non-electrical Machinery	19 : -	: -	: -	: -	: -
Electrical Machinery	20 : -	: -	: .00015	: -	: -
Transport Equipment	21 : -	: -	: -	: -	: -
Miscellaneous Manufactures	22 : .01538	: .00490	: .00529	: .01741	: .0005
Construction	23 : .04020	: .00264	: .00472	: .00587	: .0001
Wholesale & Retail Trade	24 : .04694	: .35218	: .15989	: .61387	: .8096
Transport Services	25 : .04694	: .00320	: .00947	: .00843	: .0437
Communication	26 : .04883	: .01262	: .00587	: .00485	: .0014
Electricity, gas & water	27 : .00715	: .00339	: .00566	: .00423	: .0001
Banking Insurance & R.E.	28 : .02576	: .03505	: .00750	: .00720	: .0027
Other services	29 : .09308	: -	: .01380	: .02590	: .0219

		16	17	18	19	20
Agricult., Fishing & Forestry	1	: .02268	: .07191	: .09101	: .01965	: .07905
Mining	2	: .08687	: .00796	: .00038	: .00095	: .01182
Food Manufactures	3	: -	: -	: .01552	: -	: -
Beverages	4	: -	: -	: -	: -	: -
Tobacco Products	5	: -	: -	: -	: -	: -
Textile Products	6	: .00051	: -	: -	: -	: .00086
Footwear	7	: -	: -	: -	: .00454	: .00173
Food Products	8	: .00797	: .00237	: .04369	: -	: .00483
Furniture & Fixtures	9	: .00006	: -	: .00023	: .00222	: .00233
Paper Products	10	: .01764	: .00042	: .00742	: .00008	: .00794
Dyed Materials	11	: -	: -	: -	: .00116	: neg.
Leather Products	12	: -	: .00007	: -	: -	: -
Rubber Products	13	: -	: -	: .00053	: -	: .00518
Chemicals	14	: .00673	: .00098	: .00621	: .00032	: .01062
Petroleum Products	15	: .00611	: .00063	: .00045	: .00018	: .00009
Non-Metallic Products	16	: .08308	: .00363	: .04952	: .00021	: .01692
Ferrous Metal Products	17	: .00192	: .16973	: .06731	: .00045	: .03280
Non-ferrous Metal Products	18	: .00045	: .00531	: .03210	: .01104	: .00259
Non-electrical Machinery	19	: -	: -	: neg.	: .00370	: .00017
Electrical Machinery	20	: -	: -	: neg.	: .01365	: .13955
Transport Equipment	21	: -	: -	: -	: .00150	: .00060
Miscellaneous Manufactures	22	: .01346	: .00642	: .02256	: .00391	: .02296
Construction	23	: .01108	: .00684	: .11282	: .01587	: .02589
Wholesale & Retail Trade	24	: .58851	: .59541	: .41129	: .86695	: .56917
Transport Services	25	: .02081	: .01522	: .03339	: .01217	: .01579
Communication	26	: .00407	: .00286	: .01408	: -	: -
Electricity, gas & water	27	: .01227	: .01005	: .00538	: .00040	: .00354
Banking Insurance & R.E.	28	: .02901	: .02612	: .02733	: .00988	: .03176
Other services	29	: .08676	: .07401	: .05876	: .03116	: .01381

		21	22	23	24	25
Agricult., Fishing & Forestry	1	: .03512	: .08800	: -	: .75834	: -
Mining	2	: .00049	: .00112	: .05602	: -	: .00138
Food Manufactures	3	: -	: -	: -	: .00213	: .02300
Beverages	4	: -	: -	: -	: .00029	: -
Tobacco Products	5	: -	: -	: -	: -	: -
Textile Products	6	: .00074	: .01940	: -	: .01015	: -
Footwear	7	: .00018	: -	: -	: .07514	: -
Wood Products	8	: .00970	: .01396	: .16534	: .00224	: .00048
Furniture & Fixtures	9	: .00006	: -	: -	: .00155	: .00138
Paper Products	10	: .00110	: .00302	: .00722	: -	: .00138
Printed Materials	11	: -	: -	: -	: -	: .00144
Leather Products	12	: neg.	: .00124	: -	: .00957	: -
Rubber Products	13	: .02523	: .00207	: .00018	: .00706	: .09533
Chemicals	14	: .00233	: .01916	: .00916	: .00996	: .00611
Petroleum Products	15	: .00024	: .00012	: .00152	: .00387	: .02144
Non-Metallic Products	16	: .00061	: .00402	: .11308	: .00174	: .00166
Ferrous Metal Products	17	: .01030	: .00627	: .02434	: -	: -
Non-ferrous Metal Products	18	: .01216	: .00544	: .02476	: neg.	: .00491
Non-electrical Machinery	19	: .00424	: -	: .00328	: .00928	: neg.
Electrical Machinery	20	: .03745	: .00236	: .01002	: .00213	: .00071
Transport Equipment	21	: .04322	: -	: neg.	: .00068	: .02760
Miscellaneous Manufactures	22	: .01142	: .01644	: neg.	: .02031	: -
Construction	23	: .02462	: .00568	: .41092	: -	: .61444
Wholesale & Retail Trade	24	: .62930	: .71934	: -	: -	: -
Expert Services	25	: .10560	: .04033	: .04965	: -	: .01611
Communication	26	: .00374	: .00426	: .00789	: -	: .00101
Electricity, gas & water	27	: .00233	: .00248	: .00516	: .04042	: .00111
Building Insurance & R.E.	28	: .02247	: .02797	: .09572	: .02514	: .02611
Other services	29	: .01682	: .01733	: .01572	: -	: .15211

		26	27	28	29	1 to 2
ic., Fishing & Forestry	1	:	-	:	-	: .26776 : .53541
ing	2	:	-	:	-	: - : .00495
od Manufactures	3	:	-	:	-	: .02740 : .01580
verages	4	:	-	:	-	: .01732 : .00038
acco Products	5	:	-	:	-	: .00233 : .00009
Textile Products	6	:	-	:	-	: .00160 : .01281
otwear	7	:	-	:	-	: .07299 : .00783
od Products	8	:	-	: .00040	: .00114	: .00152 : .01473
urniture & Fixtures	9	:	-	:	-	: .01068 : - : .00036
per Products	10	:	-	: .00141	: .01187	: .00191 : .00526
inted Materials	11	:	-	: .02062	: .00176	: .00127 : .00050
Other Products	12	:	-	:	-	: - : .00133
ubber Products	13	:	-	:	-	: - : .00264
emicals	14	:	-	: .00849	: .00044	: .00233 : .00840
roleum Products	15	:	-	: .03477	: .00008	: .00026 : .00091
n-Metallic Products	16	:	-	: .00081	: -	: .00408 : .00522
rrous Metal Products	17	:	-	: .00242	: -	: - : .00271
n-ferrous Metal Products	18	:	-	: .00081	: -	: - : .00172
n-electrical Machinery	19	:	-	: .00040	: -	: - : .00060
lectrical Machinery	20	:	-	: .00121	: -	: - : .00168
Transport Equipment	21	:	.22878	: .00040	: .00022	: - : .00109
scellaneous Manufactures	22	:	-	: .00242	: .00242	: .00189 : .00408
nstruction	23	:	.51336	: .37194	: .01319	: .31992 : .03597
Wholesale & Retail Trade	24	:	-	:	.72945	: - : .21748
nsport Services	25	:	-	: .07803	: .03799	: .03132 : .01117
munication	26	:	-	: .01617	: .05233	: .01776 : .00532
lectricity, gas & water	27	:	.07440	: .30887	: .00536	: .01956 : .00544
aking Insurance & R.E.	28	:	.18600	: .08288	: .01983	: .02497 : .01367
er services	29	:	-	: .06792	: .11323	: .18382 : .08241

TABLE 3 \*

	1	2	3	4	5
Agricult., Fishing & Forestry	1 : 3,279,071	: 64,007	: 249,496	: 19,390	: 970,022
Mining	2 : -	: -	: -	: -	: -
Food Manufactures	3 : 8,639	: 409	: 191,699	: 7,589	: 2,777
Beverages	4 : 9	: 5	: 6	: 27,341	: -
Tobacco Products	5 : 3	: 1	: 2	: neg.	: 35,766
Textile Products	6 : 84	: 9	: 220	: 13	: 4
Footwear	7 : 35	: 27	: 30	: 12	: 10
Wood Products	8 : 60	: 54	: 17	: 124	: 24
Furniture & Fixtures	9 : 2	: 2	: 1	: 1	: -
Paper Products	10 : 6	: 4	: 25	: 13	: 22
Printed Materials	11 : neg.	: 1	: 1	: neg.	: 5
Other Products	12 : neg.	: neg.	: neg.	: neg.	: neg.
Rubber Products	13 : 1	: 3	: 1	: 1	: -
Chemicals	14 : 524	: 236	: 168	: 541	: 44
Petroleum Products	15 : 5	: 34	: 6	: 4	: -
Non-Metallic Products	16 : 6	: 8	: 28	: 139	: -
Non-Ferrous Metal Products	17 : -	: -	: -	: -	: -
Non-Ferrous Metal Products	18 : neg.	: 1	: 1	: 2	: neg.
Non-electrical Machinery	19 : 1	: 6	: neg.	: neg.	: neg.
Electrical Machinery	20 : 1	: 1	: neg.	: neg.	: neg.
Transport Equipment	21 : 2	: 4	: 1	: neg.	: -
Miscellaneous Manufactures	22 : 1	: 1	: 4	: 2	: 2
Construction	23 : 768	: 3,310	: 260	: 130	: 72
Wholesale & Retail Trade	24 : 20,369	: 51,272	: 9,939	: 8,272	: 13,20
Transport Services	25 : 2,030	: 5,407	: 1,393	: 3,257	: 2,22
Communication	26 : 4	: 33	: 16	: 6	: -
Electricity, gas & water	27 : 14	: 49	: 93	: 30	: 1
Building Insurance & R.E.	28 : 2,830	: 1,642	: 1,131	: 1,642	: 1,41
Other services	29 : 11,471	: 6,400	: 7,281	: 2,190	: 4,48

		6	7	8	9	10
1. Agriculture, Fishing & Forestry	1	: 438,822	: 154,239	: 646,152	: 54,735	: 70,642
2. Mining	2	: -	: -	: -	: -	: -
3. Manufacturing	3	: 1,530	: 1,635	: 2,144	: 492	: 532
4. Beverage	4	: 3	: 3	: 8	: 6	: 6
5. Tobacco Products	5	: 1	: 1	: 2	: 2	: 2
6. Textile Products	6	: 52,160	: 11,803	: 35	: 712	: 294
7. Apparel	7	: 24	: 124,083	: 41	: 31	: 2,391
8. Household Products	8	: 40	: 178	: 30,693	: 1,105	: 300
9. Furniture & Fixtures	9	: 2	: 2	: 2	: 24,864	: 2
10. Paper Products	10	: 24	: 51	: 10	: 20	: 6,042
11. Painted Materials	11	: 1	: 1	: neg.	: 10	: 3
12. Other Products	12	: neg.	: 7	: neg.	: neg.	: neg.
13. Rubber Products	13	: 2	: 198	: 1	: 30	: 30
14. Chemicals	14	: 405	: 272	: 324	: 321	: 194
15. Petroleum Products	15	: 7	: 4	: 18	: 2	: 2
16. Metallic Products	16	: 3	: 5	: 6	: 24	: 24
17. Non-Metallic Products	17	: -	: -	: -	: -	: -
18. Ferrous Metal Products	18	: neg.	: 4	: 1	: 12	: 12
19. Electrical Machinery	19	: neg.	: neg.	: neg.	: neg.	: neg.
20. Mechanical Machinery	20	: neg.	: neg.	: neg.	: 1	: neg.
21. Sport Equipment	21	: neg.	: 1	: 1	: neg.	: neg.
22. Miscellaneous Manufactures	22	: 9	: 8	: 8	: 20	: 0
23. Construction	23	: 248	: 1,674	: 1,096	: 279	: 40
24. Wholesale & Retail Trade	24	: 29,375	: 26,683	: 73,610	: 24,638	: 118,430
25. Transport Services	25	: 2,261	: 4,579	: 2,104	: 1,502	: 2,362
26. Education	26	: 4	: 16	: 11	: 13	: 8
27. Electricity, gas & water	27	: 88	: 117	: 54	: 26	: 94
28. Insurance & R.E.	28	: 2,580	: 2,603	: 1,685	: 1,243	: 2,231
29. Other Services	29	: 3,608	: 3,387	: 9,552	: 7,451	: 3,360

		11	12	13	14	15
Agricult., Fishing & Forestry	1	: 63,885	: 179,742	: 365,079	: 83,194	: 6,992
Mining	2	: -	: -	: -	: -	: -
Food Manufactures	3	: 686	: 18,820	: 1,603	: 11,544	: 11,544
Beverages	4	: 3	: 1	: 3	: 3	: 3
Tobacco Products	5	: 1	: neg.	: 1	: 1	: neg.
Textile Products	6	: 456	: 136	: 2,654	: 65	: 65
Footwear	7	: 430	: 20	: 29	: 61	: 61
Wood Products	8	: 2,172	: 179	: 113	: 1,987	: 1,987
Furniture & Fixtures	9	: 2	: 4	: 2	: 1	: 1
Paper Products	10	: 1,053	: 21	: 37	: 96	: 96
Printed Materials	11	: 14,904	: neg.	: 1	: 1	: 1
Leather Products	12	: neg.	: 136	: neg.	: neg.	: neg.
Rubber Products	13	: 3	: 52	: 6,817	: 3	: 3
Chemicals	14	: 603	: 522	: 1,423	: 27,005	: 27,005
Petroleum Products	15	: 5	: 3	: 8	: 15	: 15
Non-Metallic Products	16	: 5	: 10	: 8	: 130	: 130
Non-Ferrous Metal Products	17	: -	: -	: -	: -	: -
Iron-Ferrous Metal Products	18	: 1	: 8	: 2	: 10	: 10
Electrical Machinery	19	: neg.	: neg.	: neg.	: neg.	: neg.
Optical Machinery	20	: neg.	: neg.	: 2	: neg.	: neg.
Sport Equipment	21	: 1	: 1	: 1	: 1	: 1
Miscellaneous Manufactures	22	: 10	: 8	: 13	: 26	: 26
Construction	23	: 663	: 196	: 404	: 395	: 395
Wholesale & Retail Trade	24	: 30,723	: 46,261	: 37,039	: 84,339	: 66,662
Transport Services	25	: 4,627	: 1,528	: 4,052	: 3,491	: 6
Communication	26	: 36	: 27	: 18	: 12	: 12
Electricity, gas & water	27	: 53	: 52	: 104	: 66	: 66
Building Insurance & R.E.	28	: 1,965	: 5,292	: 2,177	: 1,500	: 1,500
Other services	29	: 4,191	: 1,573	: 3,344	: 3,646	: 1

		16	17	18	19	20
1. Agriculture, Fishing & Forestry	1	: 14,618	: 15,540	: 32,902	: 13,492	: 24,290
2. Mining	2	: -	: -	: -	: -	: -
3. Food Manufactures	3	: 279	: 148	: 3,704	: 185	: 301
4. Beverages	4	: 4	: 3	: 3	: 3	: 1
5. Tobacco Products	5	: 1	: 1	: 1	: 1	: neg.
6. Textile Products	6	: 31	: 7	: 21	: 29	: 55
7. Footwear	7	: 68	: 18	: 33	: 164	: 60
8. Cloth Products	8	: 113	: 32	: 440	: 24	: 100
9. Furniture & Fixtures	9	: 3	: 2	: 4	: 52	: 29
10. Paper Products	10	: 117	: 4	: 48	: 5	: 59
11. Painted Materials	11	: 1	: neg.	: 1	: 11	: 1
12. Leather Products	12	: neg.	: neg.	: neg.	: neg.	: neg.
13. Rubber Products	13	: 2	: 1	: 4	: 3	: 28
14. Chemicals	14	: 285	: 48	: 239	: 53	: 451
15. Petroleum Products	15	: 54	: 6	: 7	: 5	: 1
16. Non-Metallic Products	16	: 6,740	: 14	: 164	: 6	: 69
17. Ferrous Metal Products	17	: -	: -	: -	: -	: -
18. Non-ferrous Metal Products	18	: 1	: 5	: 2,510	: 22	: 3
19. Non-electrical Machinery	19	: neg.	: neg.	: neg.	: 1,118	: neg.
20. Electrical Machinery	20	: neg.	: neg.	: 1	: 123	: 7,885
21. Transport Equipment	21	: 1	: neg.	: 1	: 11	: 2
22. Miscellaneous Manufactures	22	: 12	: 5	: 18	: 8	: 21
23. Construction	23	: 520	: 228	: 1,851	: 704	: 582
24. Wholesale & Retail Trade	24	: 53,590	: 40,677	: 33,469	: 129,766	: 48,905
25. Transport Services	25	: 4,180	: 2,244	: 4,929	: 3,869	: 3,387
26. Communication	26	: 8	: 4	: 16	: 1	: 2
27. Electricity, gas & water	27	: 92	: 67	: 45	: 15	: 34
28. Banking, Insurance & R.E.	28	: 2,795	: 2,208	: 2,492	: 2,012	: 3,170
29. Other services	29	: 5,044	: 3,626	: 3,400	: 3,501	: 1,298

	21	22	23	24	25
Agric., Fishing & Forestry	1 : 19,486	: 51,685	: 18,344	: 9,161	: 7,100
Mining	2 : -	: -	: -	: -	: -
Wood Manufactures	3 : 245	: 1,169	: 172	: 71	: 1,100
Beverages	4 : 1	: 2	: 1	: neg.	: -
Tobacco Products	5 : neg.	: 1	: neg.	: neg.	: -
Textile Products	6 : 82	: 880	: 4	: 22	: -
Footwear	7 : 20	: 39	: 14	: 59	: -
Wood Products	8 : 131	: 350	: 764	: 16	: -
Furniture & Fixtures	9 : 4	: 5	: 3	: 1	: -
Paper Products	10 : 12	: 42	: 26	: neg.	: -
Printed Materials	11 : neg.	: 1	: neg.	: neg.	: -
Leather Products	12 : neg.	: neg.	: neg.	: neg.	: -
Rubber Products	13 : 132	: 50	: 2	: 2	: -
Chemicals	14 : 147	: 1,236	: 170	: 24	: -
Petroleum Products	15 : 5	: 17	: 8	: 2	: -
Non-Metallic Products	16 : 7	: 34	: 179	: neg.	: -
Non-Ferrous Metal Products	17 : -	: -	: -	: -	: -
Non-Ferrous Metal Products	18 : 13	: 10	: 10	: neg.	: -
Electrical Machinery	19 : 3	: neg.	: 1	: neg.	: -
Electrical Machinery	20 : 169	: 17	: 18	: 1	: -
Transport Equipment	21 : 6,498	: 7	: neg.	: neg.	: -
Miscellaneous Manufacturers	22 : 11	: 2,012	: 1	: 1	: -
Construction	23 : 652	: 1,054	: 105,075	: 10	: 2,000
Wholesale & Retail Trade	24 : 51,325	: 92,999	: 7,422	: 350,765	: 46,000
Transport Services	25 : 14,885	: 85,264	: 3,183	: 87	: 216,000
Communication	26 : 6	: 11	: 6	: neg.	: -
Electricity, gas & water	27 : 24	: 42	: 22	: 16	: -
Banking, Insurance & R.E.	28 : 2,326	: 4,501	: 3,744	: 146	: -
Other services	29 : 1,332	: 2,731	: 1,044	: 57	: 1,000

		26	27	28	29
Agricult., Fishing & Forestry	1	:	709	:	1,463
Mining	2	:	-	:	-
Food Manufactures	3	:	11	:	70
Beverages	4	:	neg.	:	1
Tobacco Products	5	:	neg.	:	neg.
Textile Products	6	:	2	:	3
Footwear	7	:	2	:	6
Wood Products	8	:	13	:	20
Furniture & Fixtures	9	:	2	:	1
Paper Products	10	:	2	:	5
Plated Materials	11	:	neg.	:	19
Other Products	12	:	neg.	:	neg.
Rubber Products	13	:	2	:	1
Chemicals	14	:	7	:	75
Petroleum Products	15	:	3	:	59
Non-Metallic Products	16	:	2	:	4
Non-Ferrous Metal Products	17	:	-	:	-
Iron-Ferrous Metal Products	18	:	neg.	:	neg.
Electrical Machinery	19	:	neg.	:	neg.
Optical Machinery	20	:	3	:	1
Sport Equipment	21	:	122	:	1
Miscellaneous Manufactures	22	:	neg.	:	1
Construction	23	:	1,416	:	1,390
Wholesale & Retail Trade	24	:	2,180	:	7,186
Transport Services	25	:	457	:	2,781
Educational	26	:	5,801	:	5
Electricity, gas & water	27	:	79	:	5,679
Insurance & R.E.	28	:	2,598	:	1,582
Other services	29	:	149	:	958
					12,050
					45
					124,985

**TABLE 4\***  
**Estimated Total "Direct" and "Indirect" Manpower Requirements per HH Demand  
as of 1961**

		Total Jobs <sup>1/</sup>	% Direct <sup>2/</sup>	% Indirect <sup>2/</sup>
Agric., Fishing & Forestry	1 :	3,326,000	96%	4%
Mining	2 :	133,000	0	100
Food Manufactures	3 :	462,000	39	61
Beverages	4 :	71,000	39	61
Tobacco Products	5 :	1,032,000	3	97
Textile Products	6 :	531,000	9	91
Footwear	7 :	332,000	36	64
Wood Products	8 :	768,000	4	96
Furniture & Fixtures	9 :	118,000	21	79
Paper Products	10 :	207,000	2	98
Printed Materials	11 :	126,000	12	88
Leather Products	12 :	254,000	.05	99.95
Rubber Products	13 :	425,000	2	98
Chemicals	14 :	218,000	11	89
Petroleum Products	15 :	84,000	1	99
Non-Metallic Products	16 :	88,000	7	93
Ferrous Metal Products	17 :	65,000	0	100
Non-ferrous Metal Products	18 :	86,000	3	97
Non-electrical Machinery	19 :	155,000	1	99
Electrical Machinery	20 :	91,000	8	92
Transport Equipment	21 :	98,000	6	94
Miscellaneous Manufactures	22 :	244,000	1	99
Construction	23 :	140,000	73	27
Wholesale & Retail Trade	24 :	360,000	97	3
Transport Services	25 :	276,000	78	22
Communication	26 :	14,000	43	57
Electricity, gas & water	27 :	21,000	25	75
Banking Insurance & R.E.	28 :	17,000	71	29
Other services	29 :	155,000	79	21

<sup>1/</sup> rounded off to the nearest thousand.

**CHART I. DISTRIBUTION OF SECTORS BY PERCENT INDIRECT MANPOWER REQUIREMENTS  
IMPOSED BY HOUSEHOLD DEMAND**



