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BUSINESS MONITOR

A publication of the Government Statistical Service

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Construction industry

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Presented by the Chancellor of the Exchequer to Parliament in pursuance of the Statistics of Trade Act 1947 (10 & 11 Geo.6 Cha.39 sec 7)

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- 9. All published census results Inc
- For Great Britain, ratio serimates were output figures obtained in the Departm sub-division by employment size strats units not covered by the inspire, For using the information excitable from p employment functes executed to the the the

CENTRAL STATISTICAL OFFICE Business Statistics Office

London: Her Majesty's Stationery Office

PA500 CONSTRUCTION INDUSTRY

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The information in this report relates to United Kingdom undertakings engaged in the construction industry - Division 5 of the Standard Industrial Classification (Revised 1980). For more detail see paragraph 7 of the notes on page 3.

The report covers the construction work done by private undertakings and by persons directly employed by local authorities, public authorities and government departments. It excludes construction work carried out by the employees of nationalised industries and transport and water undertakings, except for the housing departments of the National Coal Board.

In inter	preting the data in the tables it is essential to bear	in mind	
	he notes and definitions which commence on page	3.	
Company finance			
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NOTES AND DEFINITIONS

Introduction

These notes give the information needed for interpreting the figures in this Business Monitor. More general information about the census is given in a separate Business Monitor - Report on the Census of Production, Introductory Notes (PA 1001).

Coverage

- All private undertakings in Great Britain with 50 or more employees were required to make a return, together with a 1-in-2 sample of 2 those with from 20 to 49 employees. Public authorities were sampled in a similar fashion in respect of their direct labour construction work. Shorter census forms were re-introduced in 1985 following the 1984 benchmark census. Copies of the private and public sector forms can be found at appendices A and B respectively.
- 3. The Department of Economic Development conducts the Annual Census of Construction for Northern Ireland. The information collected is passed to the Business Statistics Office for incorporation in the United Kingdom tables. Undertakings in the Channel Islands and the Isle of Man are excluded.

Reporting unit

4. For construction, the reporting unit is referred to as the undertaking. An undertaking need not be a single geographical location and cannot be broken down into local units. Because of this, regional data are not available from the census.

The register

5. The census was conducted on the Business Statistics Office's construction register. This register was created from the Department of the Environment's builders' address file of undertakings in Great Britain to which the addresses of public authorities' direct labour departments have been added. Use was also made of classification information collected in the Private Contractors' Census conducted annually (in October) by the Department of the Environment.

Industrial classification

- 6. Since 1980, censuses have been conducted on the Standard Industrial Classification Revised 1980 (SIC(80)). The Standard Industrial Classification exists to promote uniformity and comparability in the official statistics of the United Kingdom. The SIC(80) is the result of an attempt to align the United Kingdom classification with the General Industrial Classification of Economic Activities within the European Communities (NACE). It is based on activity rather than on commodities produced. A full description of SIC(80) is given in Standard Industrial Classification Revised 1980, obtainable from Her Majesty's Stationery Office, price £4.25.
- 7. Activities included in Division 5 of the Standard Industrial Classification (Revised 1980) are:-
 - Group 500 General construction and demolition work
- Undertakings engaged in building and civil engineering work, not sufficiently specialised to be classified elsewhere in Division 5, demolition work and the hiring of contractors plant (with operatives) are included as are direct labour establishments of local authorities and government departments. The hiring of contractors plant (without operatives) is classified to Division 8, Group 842.
- Group 501 Construction and repair of buildings
- Undertakings engaged in the construction, improvement and repair of both residential and non-residential buildings, including specialists engaged in sections of construction and repair work such as bricklaving, building maintenance and restoration, carpentry, roofing, scaffolding and the erection of steel and concrete structures for buildings are included.
- Group 502 Civil engineering

Construction of roads, car parks, railways, airport runways, bridges and tunnels. Hydraulic engineering, e.g. dams, reservoirs, harbours, rivers and canals. Irrigation and land drainage systems. Laying of pipe-lines, sewers, gas and water mains and electricity cables. Construction of overhead lines, line supports and aerial towers. Construction of fixed concrete oil production platforms. Construction work at oil refineries, steels works, electricity and gas installations and other large sites. Shaft drilling and mine sinking. Laying out of parks and sports grounds. Contractors responsible for the design, construction and commissioning of complete plants are classified to Group 324. Manufacture of construction steelwork is classified to Group 320.

Opencast coalmining is classified to Division 1 Group 111

Group 503 Installation of fixtures and fittings

Undertakings engaged in the installation of fixtures and fittings, including such things as gas fittings, plumbing, heating and ventilation plant, sound and heat insulation, electrical fixtures and fittings are included.

Group 504 Building completion work

Undertakings specialising in building completion work such as painting and decorating, glazing, plastering, tiling, on-site joinery and carpentry, flooring (including parquet floor laying), installation of fire places etc. are included.

Period covered

Undertakings were asked to make returns in respect of the calendar year but a return for a business year ending on any date from 6 April 1988 to 5 April 1989 was accepted. Returns covering less than 12 months were accepted for businesses which had started or ceased trading during the year.

Estimation of figures

- 9. All published census results include estimates for non-responders, unsatisfactory returns and undertakings not selected for the census,
- 10. For Great Britain, ratio estimates were obtained from satisfactory returns using, as the auxillary variables, either employment or output figures obtained in the Department of the Environment's inquiries for 1988. Separate ratios were calculated for each industry sub-division by employment size strata. These ratios are used to provide estimates for non-responding undertakings or smaller units not covered by the inquiry. For Northern Ireland, the Business Statistics Office made individual estimates for non-response using the information available from previous census returns; for small firms not sampled estimation was made on the basis of employment figures supplied by the Department of Economic Development

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- 11. The following symbols are used throughout the PA series of Business Monitors:
 - not available
 - nil or less than half the final digit shown
 - * figures cannot be shown owing to the risk of disclosing information about individual enterprises
 - R revised
- **ROUNDING OF FIGURES**
 - 12. Figures in the tables have been rounded to the nearest final digit where necessary. The sum of the constituent items may not, there fore, always agree exactly with the total shown.

TERMS USED IN THE CENSUS REPORT

Total employment

13. This is the average number of administrative, technical and clerical employees and operatives on the payroll and the number of working proprietors employed during the year of return. Full-time and part-time employees are included, but casual employees are excluded.

Employee

14. Undertakings were required to state the average number of employees on the payroll during the year of return, whether full-time or part-time employees, excluding working proprietors. The figure returned by individual undertakings may have been calculated by, for example, the average of the number of employees on the payroll for the last week of each calendar month

Administrative technical and clerical employees

15. This includes employees (including learners and trainees) engaged in the business who do not do manual work, e.g. managing and other directors in receipt of a definite wade, salary or commission, managers, architects, surveyors, engineers, other professionals training officers, superintendents, research, experimental, technical and design staff, draughtsmen and tracers, travellers, sales and office (including works office) staff, and general foremen and other supervisors. Public authorities were asked to include only such a proportion of total office and management staff as was fairly attributable to the building and civil engineering work carried out by direct labour employees.

Operatives

16. This covers all other employees, both on-site and off-site. It includes manual wage earners, apprentices, working foremen, operatives engaged in transport work, stores and warehouses, canteen workers and operatives engaged on the manufacture of goods for sale

Working proprietors

17. These are people who are regarded as self-employed for national insurance purposes, members of their families who worked in the business without receiving a definite wage or salary for at least half the normal working hours and directors who worked in the business but did not receive a definite wage, salary or commission. Part-time directors paid by fee only and directors who received a definite wage, salary or commission were excluded.

Estimates for the number of working proprietors were taken from figures supplied by the Department of the Environment.

Gross output

18. This figure represents the value of work (including sub-contract work) done and work in progress during the period and includes the sales of goods and receipts for services rendered to other organisations (including hiring out of plant, machinery and scaffolding and rents for industrial buildings). Figures for goods on hand for sale were not collected for the years 1985, 1986, 1987 and 1988 and have not been used in the calculation of gross output for those years.

Gross output per head

19 This is calculated by dividing gross output by total employment.

es of construction and other materials, fuel and electricity and goods for merchanting or factoring

- 20. These include the cost of raw materials and goods used or incorporated in buildings and civil engineering work or in production; of fuel and electricity for all purposes; of packaging materials, including the full cost of returnable cases and containers when first purchased; of workshop materials, office materials and materials for repairs to an undertaking's own buildings, plant and vehicles carried out by their own work people included in the return; of consumable tools, and of parts for machinery purchased during the year as replacements. Water charges and purchases of goods for merchanting or factoring are also included. Materials supplied by customers for processing are excluded, as are all purchases of plant and machinery charged to capital account
- 21. The values shown exclude value added tax but include any duty paid (less rebate, etc.). Values exclude trade discounts allowed. The cost of transport is included only if included in the cost of materials as invoiced; amounts paid to transport organisations, including an establishment's own separate transport organisation, for delivery of materials and fuel are therefore excluded. Materials purchased overseas are included at their full delivered cost. If, however, the cost of transport from the docks was not included in the invoiced price, then the c.i.f. cost plus any duty payable is used.
- 22. Materials and fuel transferred from another department of the establishment not covered by the same return are included at the estimated selling value recorded by the other department.

Wages and salaries

23. This represents amounts paid during the year to administrative, technical and clerical employees and to operatives. All overtime payments, bonuses, commissions, holiday pay and redundancy payments less any amounts reimbursed from government sources are included. No deduction is made for income tax or employees' National Insurance contributions etc. Payments to working proprietors, payments in kind, travelling expenses, lodging allowances etc. are excluded.

Employers' National Insurance contributions etc.

Pensions Act 1975, commercial insurance premiums for policies providing pensions, superannuation or other retirement benefits, sickness benefits, personal accident benefits, disability benefits or death benefits for employees or their dependants. Also included are contributions to canteens, social centres, children's and holiday homes etc. and the cost of supplying luncheon vouchers.

Cost of industrial and non-industrial services rendered

25 for repairs and maintenance including those in respect of rented buildings, and for contracts which have been sublet, commercial insurance premiums, bank charges and amounts payable to other organisations for the hire of vehicles, plant and machinery, for the rent of industrial and commercial buildings, for the services of accountants, auditors, agents, solicitors and surveyors other than in connection with the acquisition or disposal of capital assets, for postal and telecommunications services, for carriage by all forms of transport within the United Kingdom, for advertising, market research etc., for the right to use patents, trade marks, copyrights etc., for manufacturing and quarrying rights and technical 'know-how'. Direct payments to outworkers and amounts charged to capital account, interest payments and amounts payable for sea and air freight on goods exported and materials and fuel imported are excluded

Gross value added at factor cost

26. This is calculated by deducting from gross output the cost of purchases of construction and other materials, fuel and electricity and goods for merchanting or factoring and the cost of industrial and non-industrial services received. Figures for rates and motor vehicle licenses were not collected for the years 1985, 1986, 1987 and 1988 and have therefore not been used in the calculation of gross value added for those years.

Gross value added at factor cost per head

27. This is calculated by dividing gross value added at factor cost by total employment.

Capital expenditure

- This represents the value charged to capital account together with any other amounts which ranked as capital items for taxation purposes during the year to which each undertaking's return related. The value is inclusive of any amounts received or expected 28. to be received in grants and/or allowances from government sources, statutory bodies or local authorities. Where expenditure is spread over more than one census year, payments are included in the years in which they were made. Capital expenditure during the year in respect of production units where production had not started before the end of the year and the value of capital goods produced for undertakings' own use by undertakings' own staff are included. The value of any assets acquired in taking over an existing business are excluded. The figures include non-deductible VAT but exclude deductible VAT. No allowance is made for depreciation amortisation or obsolescence.
 - New building work
- return such as the extension and reconstruction of old buildings, and the value of any newly constructed buildings acquired. The figures include architects' and surveyors' fees, legal fees, stamp duties, agents' commissions and Land Registry fees.
- b. Land and existing buildings
- 30. figures for acquisitions include architects' and surveyors' fees, legal fees, stamp duties, agents' commissions and Land Registry fees. The figures for disposals are net of any such professional fees payable.

c. Plant and machinery, vehicles

31. This represents the value of new and second-hand plant and machinery and vehicles acquired or disposed of. The figures for acquisitions are net of any discounts received but include the cost of transport and installation and Customs and Excise car tax. The figures for disposals exclude amounts written off for capital assets which are scrapped.

Net capital expenditur

32. This is calculated by adding to the value of new building work acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.

Operating ratios

These ratios are calculated for each industry sub-division using totals, for undertakings employing 20 or more persons, including estimates for undertakings not responding to, or not selected for the census. Respondents are able to compare the ratios for their 33 own businesses with those for the industry as a whole.

Stocks, rates, licensing of motor vehicles

34. Figures for stocks were not collected for the years 1985, 1986, 1987 and 1988 neither were figures for rates and the cost of licensing of motor vehicles. These items are omitted from the calculations leading to gross output and gross value added at factor cost for those years.

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This includes amounts payable to other organisations for work done on materials supplied by the undertaking completing the return,

29. This represents the value of new building and other constructional work to be used in connection with the business covered by the

This represents the value of freeholds and the value or premium payable or receiveable for leaseholds acquired or disposed of. The

	All undertak	ings			
	anob atom to to work done	oria autorite e entr brigeniserrone li brest in respon	anter ascerves ib I enterprises I enterprises I enter to other Inder individing	nationana an udes amounts p mainten	 Industrial c This includes For repair
Unit	1984	1985	1986	1987	1988
t do goods and	gionii die brie e	a payable for a	muone bre en	interest payma	account
No	175,044	171,235	175,383	178,492	185,854
No	1,181,122	1,125,104	1,121,890	1,139,526	1,146,559
£ million	36,005.0	39,163.5	43,459.0	48,013.3	59,298.0
£	30,484	34,809	38,737	42,134	51,718
£ million	11,891.0 ,	13,289.9	14,501.0	16,379.1	19,063.4
£ million	12,112.8	13,780.0	15,774.8	17,166.4	23,173.5
£ million	12,013.6	12,093.6	13,183.2	14,467.8	17,061.0
£	10,171	10,749	11,751	12,696	14,880
£ million	9,106.1	abling wou to a			
		10,292.9	10,850.5	11,947.7	13,261.1
	No No £ million £ million £ million £ million £	Unit 1984 No 175,044 No 1,181,122 £ million 36,005.0 £ 30,484 £ million 11,891.0 £ million 12,112.8 £ million 12,013.6 £ 10,171	No 175,044 171,235 No 1,181,122 1,125,104 £ million 36,005.0 39,163.5 £ 30,484 34,809 £ million 11,891.0 13,289.9 £ million 12,112.8 13,780.0 £ million 12,013.6 12,093.6 £ 10,171 10,749 £ million 9,106.1 1	Unit 1984 1985 1986 No 175,044 171,235 175,383 No 1,181,122 1,125,104 1,121,890 £ million 36,005.0 39,163.5 43,459.0 £ 30,484 34,809 38,737 £ million 11,891.0 13,289.9 14,501.0 £ million 12,112.8 13,780.0 15,774.8 £ million 12,013.6 12,093.6 13,183.2 £ 10,171 10,749 11,751 £ million 9,106.1 1 1	Unit1984198519861987No175,044171,235175,383178,492No1,181,1221,125,1041,121,8901,139,526£ million36,005.039,163.543,459.048,013.3£30,48434,80938,73742,134£ million11,891.013,289.914,501.016,379.1£ million12,112.813,780.015,774.817,166.4£ million12,013.612,093.613,183.214,467.8£ million9,106.110,74911,75112,696

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See paragraphs 18, 26 and 34 of the explanatory notes and definitions for an account of how gross output and gross value added are (a) calculated.

(b) Estimates of wages and salaries and insurance contributions for undertakings with an employment of less than 20 are based on total employment, including working proprietors.

Table 1 Output and costs, 1984-1988

6

Undertakir	ngs employing 20	or more –	- 1988				
and	eral construction demolition work Group 500		Construction and repair of buildings Group 501	Civil engineering Group 502	Installation of fixtures and fittings Group 503	Building completion Group 504	Total work
Public sect	or Private :	sector	1980	1985	1984		
525	280		2,844	692	1,137	903	6,381
155 440	22.042		272 600	100.010	05.007		Land and building
155,442	22,943		272,689	100,010	95,087	50,678	696,849
3,155.6	1,444.4		23,102.3	7,248.3	4,040.2	2,111.5	41,102.4
	123.8		102.6	93,0	53.7		
20,301	62,956		84,720	72,476	42,489	41,666	58,983
948.3	296.8		6,137.3	2,220.2	1,850.5	783.0	12,236.1
393.1	654.5		11,755.9	3,315.6	814.5	566.6	17,500.2
1,814.2	493.2		5,209.1	1,712.6	1,375.1	761.9	11,366.1
11,671	21,496		19,103	17,124	14,462	15,035	16,311
1,679.6	302.1		3.244.8	1,395.0	1,240.7	553.4	8,415,6

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Table 2 Capital expenditure, 1984–1988 United Kingdom undertakings classified to the construction industry

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	All und	dertakings	88	é mare — 19	a employing 20 a	Undertak Ing
		Chril engineering Group 802	Construction and spair of buildings Shoup S01		al construction emolition work iroup 500	
	1984	1985	1986	1987	1988	NDIR 1988
apital expenditure:						
Land and buildings:						
New building work	55.6	72.5	54.3	79.7	132.9	
Land and existing buildings:						
Acquisitions	83.7	93.0	102.6	95.3	123.3	
Disposals	56.0	79.7	61.0	52.0	76.3	
Net expenditure on land and exist	ing buildings 27.7	13.3	41.6	43.3	47.0	
Vehicles:						
Acquisitions	373.1	400.7	465.1	496.8	715.0	
Disposals	133.5	164.8	210.5	201.1	262.6	
Net expenditure on vehicles	239.6	235.9	254.6	295.7	452.4	
Plant and machinery:						
Acquisitions	395.7	404.0	444.7	519.7	849.2	
Disposals	128.5	138.9	157.4	159.5	244.7	
Net expenditure on plant and machine	ery 267.2	265.1	287.3	360.2	604.5	
ntal net capital expenditure	590.1	586.7	637.8	778.9	1,236.8	
8.81A.8 A.88	550.1	0.800.7	037.0	770.9	1,230.8	

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											PA500 £ million
ndertaking	s employing 20 or mo	re —	1988	24.1	1952.4	tas Present	100.0	138-2	P.ANA Portundar	e of tous	11011
and d	al construction emolition work Group 500 r Private sector	18'324	Construct repair of I Group 50	ouild ings	100,01	Civil engineerir Group 50		Installati fixtures Group 5	and fittings	Building completion work Group 504	Total
13.0	2.1		41.1			22.9		2.6		8.8	90.6
3.9	2.7		31.7			9.3		7.4		8.0	63.1
7.7	2.0		37.9			7.7		3.2		1.4	59.9
-3.8	0.7		-6.2			1.6		4.2		6.6	3.2
36.2	31.7		193.4			66.7		40.7		42.5	411.4
5.4	11.2		86.4			21.8		17.2		17.0	159.0
30.8	20.5		107.0			44.9		23.5		25.5	252.3
12.0	148.6		235.8			217.5		15.9		27.6	657.3
1.0	39.8		115.5			47.9		4.1		2.9	211.1
11.0	108.8		120.3			169.6		11.8		24.7	446.2
51.0	132.1		262.4		7	239.0		42.2	1 2	65.7	792.3

and demolition work Group 501 repair of building Group 503 repair of building Group 503 completion work Group 503 completion Group 503 <thcompletion Group 503 completion Group 5</thcompletion 	Genera	employing 20 or	nore –	Construc			Civil		Installati		<u>itae en</u>	Building completion work	Total
13.0 2.1 41.1 22.9 2.6 8.8 3.9 2.7 31.7 9.3 7.4 8.0 7.7 2.0 37.9 7.7 3.2 1.4 -3.8 0.7 -6.2 1.6 4.2 6.6 36.2 31.7 193.4 66.7 40.7 42.5 5.4 11.2 86.4 21.8 17.2 17.0 30.8 20.5 107.0 44.9 23.5 25.5 12.0 148.6 235.8 217.5 15.9 27.6 1.0 39.8 115.5 47.9 4.1 2.9 1.0 108.8 120.3 169.6 11.8 24.7 5.10 132.1 262.4 239.0 42.2 65.7	G	roup 500	tor			100,21	Group 50	2					
130 2.1 41.1 22.9 2.6 88 39 2.7 31.7 9.3 7.4 80 7.7 2.0 37.9 7.7 3.2 1.4 -38 0.7 -6.2 1.6 4.2 66 36.2 31.7 193.4 66.7 40.7 42.5 5.4 11.2 86.4 21.8 17.2 17.0 308 20.5 107.0 44.9 23.5 25.5 12.0 148.6 235.8 217.5 15.9 27.6 1.0 39.8 115.5 47.9 4.1 2.9 1.0 108.8 120.3 169.6 11.8 24.7 5.10 132.1 262.4 239.0 42.2 65.7			-			 5.R		-			-		1651× 60
3.9 2.7 31.7 9.3 7.4 8.0 7.7 2.0 37.9 7.7 3.2 1.4 -38 0.7 -6.2 1.6 4.2 6.6 36.2 31.7 193.4 66.7 40.7 42.5 5.4 11.2 86.4 21.8 17.2 17.0 30.8 20.5 107.0 44.9 23.5 25.5 12.0 148.6 235.8 217.5 15.9 27.6 1.0 39.8 115.5 47.9 4.1 2.9 11.0 108.8 120.3 169.6 11.8 24.7 51.0 132.1 262.4 239.0 42.2 65.7													
3.9 2.7 31.7 9.3 7.4 8.0 7.7 2.0 37.9 7.7 3.2 1.4 -38 0.7 -6.2 1.6 4.2 6.6 36.2 31.7 193.4 66.7 40.7 42.5 5.4 11.2 86.4 21.8 17.2 17.0 30.8 20.5 107.0 44.9 23.5 25.5 12.0 148.6 235.8 217.5 15.9 27.6 1.0 39.8 115.5 47.9 4.1 2.9 11.0 108.8 120.3 169.6 11.8 24.7 51.0 132.1 262.4 239.0 42.2 65.7	13.0	2.1		41.1			22.9		2.6			8.8	90
-380.7-6.21.64.26.636.231.7193.466.740.742.55.411.286.421.817.217.030.820.5107.044.923.525.512.0148.6235.8217.515.927.61.039.8115.547.94.12.911.0108.8120.3169.611.824.751.0132.1262.4239.042.265.7	3.9	2.7							7.4			8.0	63
36.2 31.7 193.4 66.7 40.7 42.5 5.4 11.2 86.4 21.8 17.2 17.0 30.8 20.5 107.0 44.9 23.5 25.5 12.0 148.6 235.8 217.5 15.9 27.6 1.0 39.8 115.5 47.9 4.1 2.9 11.0 108.8 120.3 169.6 11.8 24.7 51.0 132.1 262.4 239.0 42.2 65.7	7.7	2.0		37.9			7.7		3.2			1.4	59
5.4 11.2 86.4 21.8 17.2 17.0 30.8 20.5 107.0 44.9 23.5 25.5 12.0 148.6 235.8 217.5 15.9 27.6 1.0 39.8 115.5 47.9 4.1 2.9 11.0 108.8 120.3 169.6 11.8 24.7 51.0 132.1 262.4 239.0 42.2 65.7	-3.8	0.7							4.2			6.6	3
30.8 20.5 107.0 44.9 23.5 25.5 12.0 148.6 235.8 217.5 15.9 27.6 1.0 39.8 115.5 47.9 4.1 2.9 11.0 108.8 120.3 169.6 11.8 24.7 51.0 132.1 262.4 239.0 42.2 65.7	36.2	31.7		193.4			66.7		40.7			42.5	411
12.0 148.6 235.8 217.5 15.9 27.6 1.0 39.8 115.5 47.9 4.1 2.9 11.0 108.8 120.3 169.6 11.8 24.7 51.0 132.1 262.4 239.0 42.2 65.7	5.4	11.2		86.4			21.8		17.2			17.0	159
1.0 39.8 115.5 47.9 4.1 2.9 11.0 108.8 120.3 169.6 11.8 24.7 51.0 132.1 262.4 239.0 42.2 65.7	30.8	20.5		107.0			44.9		23.5			25.5	252
1.0 39.8 115.5 47.9 4.1 2.9 11.0 108.8 120.3 169.6 11.8 24.7 51.0 132.1 262.4 239.0 42.2 65.7	12.0	148.6		235.8			217.5		15.9			27.6	657
51.0 132.1 262.4 239.0 42.2 65.7	1.0	39.8		115.5			47.9		4.1			2.9	211
51.0 132.1 262.4 239.0 42.2 65.7		108.8		120.3					11.8			24.7	446
		132.1							42.2			65.7	792
	tory notes and diff	AGB, AA	1480,58	89.220	96,429	14,163	063,88	86,332	10,000	DT 7, BBA	Nacimular	ioto T	grannyouprag

Table 3 Analysis of undertakings by size of total employment, 1988 All United Kingdom undertakings classified to the construction industry

Size group	Undertakings	Employment		Wages and salaries and employers' N Insurance contrib	ational	Gross output (a)	Gross value ad cost (a)	ded at factor	Net Capital Expenditure
		Total	Employees	Total	per head		Total	· per head	
Employment	Number	Number	Number	£ million	£	£ million	£ million	£	£ million
1—19	179,473	449,710		4,845.5(b)		18,195.6	5,694.9	12,664	444.4
20-49	3,912	118,597	116,048	1,291.5	11,129	6,075.9	1,867.1	15,743	175.5
50-99	1,253	86,332	85,852	998.2	11,627	4,892.7	1,386.5	16,060	100.0
100–199	620	86,530	86,405	1,049.5	12,146	5,149.6	1,413.7	16,337	115.7
200–499	375	114,163	114,151	1,388.1	12,160	6,471.1	1,791.3	15,691	112.4
500999	136	95,429	95,427	1,172.4	12,286	5,850.9	1,524.5	15,975	74.1
1,000—2,499	61	89,220	89,220	1,141.1	12,790	5,026.3	1,519.4	17,030	59.3
2,500-4,999	19	62,084	62,084	817.2	13,163	4,025.4	1,164.3	18,754	144.6
5,000 and over	5	44,494	44,494	557.6	12,531	3,610.6	699.4	15,718	10.8
Total	185,854	1,146,559		13,261.1		59,298.0	17,061.0	14,880	1,236.8

(a) See paragraphs 18, 26 and 34 of the explanatory notes and definitions for an account of how gross output and gross value added are calculated.

(b) Estimates of wages and salaries and insurance contributions for undertakings with an employment of less than 20 are based on total employment, including working proprietors.

10

PA500

Table 4 Percentage analysis of twelve-month periods covered by returns received for the 1988 census by number of returns and total employment

ccounting y	ear ended			centage o urns receiv		Percentage number er		ILA
988 6—30	April		8	8.7		6.2	letor	
	Мау		3	3.2		1.6		
	June		5	i.8		4.2	EN INC	
	July		3	9.7		1.5		
	August		3	8.0		1.4		
	September		6	5.6		5.4		
	October		4	l.0		3.0		
	November		2	2.6		1.1		
	December		28	1.0		37.2		
89	January		3	3.2		1.7		
	February		3	1.1		1.7		
1	March—5 April		28	8.0		35.2		
	Indo a	 	100	0.0	 	100.0		

PA500

12

 Table 5 Operating ratios, 1988
 All United Kingdom undertakings classified to the construction industry

			mploying 20 or mor	e persons	e of ecologies	Gross cutout (a)	Gross value added	at factor	All – undertakin
		Sub-divisions of	f the industry	Magnatos control	Sibers Ap-		oust ini		Expe
	Unit		onstruction and ition work	Construction of buildings	Civil engineering	Installation of fixtures and fittings	Building completion work	Total	Total
		Gro	oup 500	Group 501	Group 502	Group 503	Group 504		over pols
		Public sector	Private Sector						
			8						
ross value added per head (a)	£	11,671	21,496	19,103	17,124	14,462	15,035	16,311	14,880
ross value added as a percentage gross output	%	57	34	23	24	34	36	28	29
gross output	70	57	34	25	24	54	30	20	29
ross output per head (a)	£	20,301	62,956	84,720	72,476	42,489	41,666	58,983	51,718
mployment costs as a percentage gross value added (b)	%	93	61	62	81	90	73	74	19.8
202-400				S Same		2	annag R		
mployment costs per head (b)	£	10,805	13,265	11,969	13,998	13,118	11,043	12,132	1 3 3
et capital expenditure per head	£	328	5,758	962	2,390	444	1,296	1,137	1,079
et capital expenditure as a prcentage of gross value added	%	3	27	ng to - 16 5	14	3	9	7	7
) See paragraphs 18, 26 and 3	A of the evolution	u poter and definitio	no of how gross out	put and gross value added					
Employment costs represen	t wages and salaries	plus employers' Nati	onal Insurance cont	ributions, pensions and oth	ner welfare costs.				

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				Pleas
A compulsory inquiry conducted by the Government Statistical Se	mont			quote in an enqui
IN CONFIDENCE	b anah bhaye maninaa-dua gu		E TERMI	
Business Statistics Office	y, and starfighting, we wanted		t of effeter blueds muter.	
Newport Gwent NP9 1XG				
Gwent NP9 1XG Tel. Newport 0633 812097 Telex 497121/2 BSONPT G	ssed commenced or cassed the year during which the box provided.	ess to which this form is addre relea the return for their part of a should state the period in the		
Gwent NP9 1XG Tel. Newport 0633 812097 Telex 497121/2 BSONPT G Fax. 0633 816086	ssed commenced or cassed the year during which the box provided.	nets the return for their part of ad should state the period in the		

NOTICE UNDER SECTION 3 OF THE STATISTICS OF TRADE ACT, 1947

The Secretary of State for Trade and Industry hereby requires you by law to provide to the Business Statistics Office the information called for in this inquiry form. Your return should be made for the year ended 31 December 1988, unless no figures are available for that period when the return may be made for your business year which ends between 6 April 1988 and 5 April 1989.

Please complete and return this form to the Business Statistics Office by 31 MARCH 1989 or within two months after the business year covered by your return, if that year ends after 31 January 1989

NB The information given by you will be treated as confidential in strict accordance with the Act and subject to the further restriction that information about individual businesses will be used and disclosed under Ministerial direction to other government departments for statistical purposes only, except that the names and addresses of individual businesses, their industrial classification and the numbers of persons of different descriptions employed by them may, if a Minister so directs, be made available to Ministers and officials of government departments who need them for carrying out their functions.

ANNUAL CENSUS OF PRODUCTION FOR 1988 - CONSTRUCTION INDUSTRY

Dear Contributor

We conduct this annual census to obtain up-to-date statistical information about the structure and development of industry in the United Kingdom. Census results are used in the construction of national accounts, the index of production and other statistical indicators. They also provide measures of industrial performance for use in industry and government departments. Comparisons may be made with results of similar inquiries that are being conducted in other countries of the European Community. The census has been designed in consultation with the Production Statistics Advisory Committee which is appointed under the Statistics of Trade Act 1947 and includes members from industry, the trade unions, the accountancy profession and the public services.

Census results, consisting of individual industry reports and a summary volume, will be available from Her Majesty's Stationery Office or from the above address.

Notes to help you complete your return are enclosed. If you have any difficulties or would like further information my staff will be pleased to help you. The telephone extension of the person dealing with this inquiry is shown above.

Yours sincerely

Jard

R. G. WARD Director

			L'ACTUR .	
			JA570	OTAL .
		day r	ionth year	
. PERIOD COVERED BY THE RETURN	from	11 /	1	4. TURNOVER (exclusive of VAT)
	to	12 /		Value of work (including sub-contract work) done during goods and receipts for services rendered to other organized
Your return should relate to the calendar year 1988, or if no figure year, the return may be made for a business year ending on any and 5 April 1989. If the business to which this form is addressed during the year, you should make the return for that part of the business was in operation, and should state the period in the bo	date between 6 April 19 commenced or ceased year during which the		Basiness S Rewport Gwent MPS	out of plant, machinery and scaffolding and rents for ind For more detail, please see accompanying notes.
				Tal. Rewport 022 81 PAR
DETAILS OF BUSINESS	5 5		5 EE80 3183	5. COSTS (exclusive of VAT)
				5.1 Gross wages and salaries paid, employers' National Ir contributions to other pension and welfare schemes f
Please tick the most appropriate description of the main activity	of your business.		Please am	directors who receive a salary
2.1 Construction, improvement and repair of both residential and			ick only	Include all
buildings. Specialist activities of construction work such as br	icklaving		ne box	overtime payments
building maintenance and restoration, carpentry, roofing, scaff	olding and the	6 501		bonuses commissions
erection of steel and concrete structures for building				holiday pay
2.2 Building completion, including plastering, on-site joinery, pain	i for Trade and Industry h		Tha St	redundancy payments (less amounts reimbursed from government source
glazing, paperhanging, tiling and flooring, and other such spec	ialised activities	6 504		insurance premiums for policies providing pensio
relating directly to the completion of buildings		0 504		contributions to running costs of canteens, social
22 Civil engineering including on the second				Exclude travelling expenses, lodging allowances, etc which
2.3 Civil engineering, including construction of roads, bridges, rail drilling, earth moving, fixed concrete oil production platforms,	ways, tunnels, shaft	bites ethiamica		
relating to irrigation, drainage, water supply, rivers, harbours,	sewerage, etc	6 502		
2.4 Installation of fixtures and fittings, including gas fitting, plumb	ing sanitary equipment,	n lifernation	T EN	5.2 Purchases
heating, ventilating, insulation, electrical wiring and fittings; in lightning conductors, telephone, etc	stallation of aerials,	6 503		Include
tion and the symbols of persons of offerent peecloping employe	national bendeuben niem	salieanigud Inu		construction materials stationery
2.5 Demolition; general construction; plant hire (with operators). U only if your activities during the year were mainly demolition of included both building and side and sid	or plant hire or		by the system of the street of the system of	packaging materials goods purchased for resale without processing
included both building and civil engineering and were of such that you are unable to classify the main part of your output to	a general nature		; 	canteen purchases fuel (including petrol and DERV fuel)
headings				electricity
-		6 500		
EMPLOYMENT	nialdo of eveneo lev	tribuibr		water charges materials for use by you for producing capital ite replacement parts for your own machinery, plant accessories and consumable tools bought as repl any transfers of goods to you from other departr are not covered by this return
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EMPLOYMENT	ual centus to obtain	tribuibr		materials for use by you for producing capital ite replacement parts for your own machinery, plant accessories and consumable tools bought as repl any transfers of goods to you from other departr
EMPLOYMENT Average number of persons on the payroll during the year		Nun 34		materials for use by you for producing capital ite replacement parts for your own machinery, plant accessories and consumable tools bought as repl any transfers of goods to you from other departr are not covered by this return
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READ THE ENGLOSED NOTE.	READ	THE	ENCLOSED	NOTES
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	MC003

IMPORTANT: PLEASE WRITE LEGIBLY AND READ THE ENCLOSED NOTES

For more detail please see accompanying notes.	
ACQUISITIONS	
6.1 New building work or other constructional work of a capital nature for your own	use 201
i. Amounts in 6.1 for capital assets leased under finance leasing arrangements	801
6.2 Land and existing buildings for your own use	202
3.3 Vehicles	213
i Amounts in 6.3 for capital assets leased under finance leasing arrangements	813
3.4 Plant, machinery and other capital equipment	231
i. Amounts in 6.4 for capital assets leased under finance leasing arrangements	831

6. CAPITAL EXPENDITURE IN THE YEAR (exclusive of deductible VAT)

Do not make any deductions for depreciation amortization or chapleseeper

	ildings for your own use	203
6.6 Vehicles	ing capital items for your own use chinery, stant and med vahicles	
6.7 Plant machinery and	other capital equipment	232

NAME AND ADDRESS OF PERSON WHO SHOULD BE CONSULTED IF QUESTIONS ARISE ABOUT THIS RETURN (BLOCK CAPITALS PLEASE)

	16			MC007F
Position in the organisation			rates and vehicle licences hits surchase receverants	
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	eaal.
(/10	A compulsory inquiry conducted by the Government Statistical Service IN CONFIDENCE
	Business Statistics Office Newport Gwent NP9 1XG
	Tel. Newport 0633 812196 Telex 497121/2 BSONPT G Fax. 0633 816086
	Please amend the name, address and postcode if necessary
	NOTICE UNDER SECTION 3 OF THE The Secretary of State for Trade and Industry hereby requires the information called for in this inquiry form. Your return sho unless no figures are available for that period when the return
	The Secretary of State for Trade and Industry hereby requires the information called for in this inquiry form. Your return sho

Dear Contributor

JA570

£ THOUSAND (exclusive of VAT)

> We conduct this annual census to obtain up-to-date statistical information about the structure and development of industry in the United Kingdom. Census results are used in the construction of national accounts, the index of production and other statistical indicators. They also provide measures of industrial performance for use in industry and government departments. Comparisons may be made with results of similar inquiries that are being conducted in other countries of the European Community. The census has been designed in consultation with the Production Statistics Advisory Committee which is appointed under the Statistics of Trade Act 1947 and includes members from industry, the trade unions, the accountancy profession and the public services.

Census results, consisting of individual industry reports and a summary volume, will be available from Her Majesty's Stationery Office or from the above address.

Notes to help you complete your return are enclosed. If you have any difficulties or would like further information my staff will be pleased to help you. The telephone extension of the person dealing with this inquiry is shown above.

Yours sincerely

mard

R. G. WARD Director

17



APPENDIX B

FV

benuone directivemploved by them on building at her activities shoeld be included

E STATISTICS OF TRADE ACT, 1947

es you by law to provide to the Business Statistics Office hould be made for the year ended 31 December 1988, irn may be made for your business year which ends

tics Office by 31 MARCH 1989 or within two months after after 31 January 1989

ential in strict accordance with the Act and subject to inesses will be used and disclosed under Ministerial urposes only, except that the names and addresses of numbers of persons of different descriptions employed Ministers and officials of government departments

ONSTRUCTION INDUSTRY

IMPORTANT: PLEASE WRITE LEGIBLY AND READ THE ENCLOSED NOTES

DOES THIS FORM APPLY TO YOUR DEPARTMENT OR AUTHORITY?

This form should be completed by government departments and local and other public authorities in respect of work done by persons directly employed by them on building and civil engineering (including alterations, repairs and maintenance). No other activities should be included.

If you do not operate a directlabour section within your building and civil engineering department please certify to this effect and send the form back without delay.

Number

34

JA590

· · · ·	d	ay month	year
from	11	1	1
to	12	1	1
		from 11	from 11 /

Your return should relate to the calendar year 1988, or if no figures are available for that year, the return may be made for a business year ending on any date between 6 April 1988 and 5 April 1989. If your building and civil engineering activities commenced or ceased during the year, you should make the return for that part of the year during which the business was in operation, and should state the period in the box provided.

2. EMPLOYMENT

Average number	of pareone	on the neuroll	during the	VAR	

Average employment may be estimated, for example, from the average of the figures for the last week of each calendar month.

INCLUDE All persons employed in connection with the building and civil engineering work undertaken by your direct labour department, whether full-time or part-time, including such a proportion of the total office and management staff as is fairly attributable to such work.

> The figure given should cover manual wage earners; apprentices; working foremen; operatives engaged in transport work, stores and warehouses and in the manufacture of goods for sale; managers; architects; surveyors; engineers; other professional, research and design staff; draughtsmen; office staff; and supervisors who do not do manual work.

> > 18

EXCLUDE Casual employees; park and green keepers; persons employed on the collection and disposal of house refuse, day-to-day maintenance work on street lighting, snow clearence, etc.; canteen workers (except where the canteen is run wholly or mainly in connection with the building or civil engineering work covered by this return).

3. TURNOVER (exclusive of VAT)

For more detail please see accompanying notes

Value of building and civil engineering work carried out during the period, sales of goods and receipts for services rendered to other organisations (including hiring out of plant, machinery and scaffolding and rents for industrial buildings).

	£ THOUSAND	
512	rea to help y	

ae	all
	overtime payments
	bonuses
	commissions

holiday pay
redundancy payments
(less amounts reimbursed from government source
insurance premiums for policies providing pension
contributions to running costs of canteens, social

4	2 Purchases
h	clude
	construction materials
	stationery
	packaging materials
	goods purchased for resale without processing canteen purchases
	fuel (including petrol and DERV fuel) for heating, lig electricity
	water charges
	materials for use by you for producing capital items replacement parts for your own machinery, plant an accessories and consumable tools bought as replac any transfers of goods to you from other departme are not covered by this return

	£ THOUSA	ND
Gross wages and salaries paid, employers' National Insurance contributions and contributions to other pension and welfare schemes	nd 54	
clude all		
overtime payments		
bonuses commissions		
holiday pay	ante a have prished work a	
redundancy payments		
(less amounts reimbursed from government sources) insurance premiums for policies providing pensions and other staff benefit contributions to running costs of canteens, social centres, etc for staff cov	ts vered by this return	
xclude travelling expenses, lodging allowances, etc. which should be included in	4.3.	
	£ THOUS	AND
	400	
2 Purchases	estation in	12
clude construction materials		
stationery		
packaging materials		
goods purchased for resale without processing		
canteen purchases fuel (including petrol and DERV fuel) for heating, lighting, transport etc.		
electricity		
water charges		
materials for use by you for producing capital items for your own use replacement parts for your own machinery, plant and road vehicles accessories and consumable tools bought as replacements		
any transfers of goods to you from other departments of your authority t are not covered by this return	that	
exclude land and buildings acquired for development and subsequent disposal.		
	£ THOUS	AND
3.3 Other expenditure (except capital expenditure, which should be entered in Section 5)	360	
nclude		
amounts payable to other organisations for repairs and maintenance to your direct labour department buildings (including rented buildings),		
vehicles, plant and machinery		
amounts payable for the rent of industrial buildings amounts payable for the hiring, leasing or renting of plant (including scat	affolding), machinery and veh	icles
commercial insurance premiums payable		
bank charges (other than interest on loan capital)	In search and she	
Dank Charges (other than interest on roan ouprish)	se amounts covered by Secti	ion 5
amounts payable to accountants, solicitors, surveyors, etc. excepting thos		
amounts payable to accountants, solicitors, surveyors, etc. excepting thos amounts payable for technical and market research and advertising	ssayes and telex	
amounts payable to accountants, solicitors, surveyors, etc. excepting thos	y for transport within	

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IMPORTANT: PLEASE WRITE LEGIBLY AND READ THE ENCLOSED NOTES

JA590

IMPORTANT: PLEASE WRITE LEGIBLY AND READ THE ENCLOSED NOTES

		JA590
5. C	APITAL EXPENDITURE IN THE YEAR (exclusive of deductible VAT)	
	oo not make any deductions for depreciation, amortisation or obsolescence.	
F	or more detail please see accompanying notes.	
3	AND AND BUILDING FOR USE BY YOUR DIRECT LABOUR DEPARTMENT, (excluding those and subsequent disposal, and houses, schools and buildings built or acquired on behalf o your authority) ACQUISITIONS	f other departments of
		£ THOUSAND (exclusive of VAT)
Ę	i.1 New building work or other constructional work of a capital nature for use by your direct labour department	201
	i. Amounts in 5.1 for capital assets leased under finance leasing arrangements	801
		202
5	.2 Land and existing buildings for use by your direct labour department	
		213
Ę	.3 Vehicles	ebulori
	i Amount in 5.3 for capital assets leased under finance leasing arrangements	813
F	.4 Plant, machinery and other capital equipment	231
verag		831
	i. Amounts in 5.4 for capital assets leased under finance leasing arrangements	materiale for s
ICLUI	DISPOSALS	
	a part-time, it righting such a propertion of the read which and menagement	203
ŧ	5.3 Land and existing buildings for use by your direct labour department	
av	.5 Vehicles	214
	and and the second s	Section 5)
icul	5.7 Plant machinery and other capital equipment	232
	collection and disposal of builegriblind beines endotonil activitied, teamtrape such an energy interverse state and the service state and water and the service of the service of the service of the	
	NAME AND ADDRESS OF PERSON WHO SHOULD BE CONSULTED IF QUABOUT THIS RETURN (BLOCK CAPITALS PLEASE)	
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