

Annual Survey of Industries, 1998 – 1999

Flow Chart for Tabulation Program

Volume – I(Table – 1 & 2)

Srl.	Description	Formula
1	No. of factories	A11
2	Factories in operation	A11 , forA 12 #2
3	Fixed Capital	$\sum_{i=1}^8 Ci ,13 \text{ For } I \#7$
4	Physical Working Capital	$\sum_{i=1}^6 Di ,4 \text{ For } i \#4$
5	Working Capital	4 + D 8,4 + D 9,4 + D 10 ,4 – (D 12 ,4 + D 13 ,4 + D 14 ,4)
6	Invested Capital	3 + 4
7	Gross Value of additions to fixed capital	$\sum_{i=1}^8 Ci ,5 \text{ For } i \#7$
8	Rent paid	F 7,3 + F 8,3
9	Outstanding Loan	D 17 ,4
10	Interest paid	F 9,3
11	Gross Value of P&M	C 3,3 + C 3,4 + C 3,5 – C 3,6
12	Value of Products & By-products	$\sum_{i=1}^{11} Ji ,13 + G 2,3 + G 4,3$
13	Total Output	12 + G 1,3 + G 3,3 + G 7,3
14	Fuels consumed	H 11,6 + H 12 ,6 + H 13 ,6 + H 14 ,6
15	Materials consumed	$\sum_{i=1}^6 Hi ,6 + H 8,6 + H 9,6 + \sum_{i=1}^6 Li ,6 + H 15 ,6$
16	Total Input	14 + 15 + F 1,3 + F 2(i),3 + F 2(ii),3 + F 2(iii),3 + F 3,3 + F 4,3 + F 5,3 + F 10 ,3
17	GVA	13 – 16
18	Depreciation	$\sum_{i=1}^8 Ci ,9 \text{ For } I \#7$
19	NVA	17 – 18
20	Net Fixed Capital Formation (NFCF)	$\sum_{i=1}^8 (Ci ,13 - Ci ,12 - Ci ,4) \text{ For } i \#7$
21	Gross Fixed Capital Formation (GFCF)	20 + 18
22	Addition in stock of:	
	(a) Materials, Fuels Etc.	$\sum_{i=1}^3 (Di ,4 - Di ,3)$
	(b) Semi-Finished Goods	(D 5,4 – D 5,3)
	(c) Finished Goods	(D 6,4 – D 6,3)
	(d) Total	(a) + (b) + (c)
23	Gross Capital Formation	21 + 22 (d)
24	Net income	19 – (8 + 10)
25	Profit	$24 - \sum_{i=1, i \# 4, 6}^8 (Ei ,5 + Ei ,6) - \sum_{i=6}^8 Ei ,7$

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Flow Chart for Tabulation Program

Volume – I(Table – 3 & 4)

Srl.	Description	Formula
A	Average no. of persons engaged	$\sum_{i=1, i \neq 4, 6}^8 E_{i,4}$
1	Workers	$E_{1,4} + E_{2,4} + E_{3,4} + E_{5,4}$
1.1	Directly employed	$E_{1,4} + E_{2,4} + E_{3,4}$
1.1.1	Men	$E_{1,4}$
1.1.2	Women	$E_{2,4}$
1.1.3	Children	$E_{3,4}$
1.2	Employed through Contractors	$E_{5,4}$
2	Employees other than worker	$E_{7,4} + E_{8,4}$
2.1	Supervisory & Managerial Staff	$E_{7,4}$
2.2	Other employees	$E_{8,4}$
B	Man-days employed, Total	$\sum_{i=1, i \neq 4, 6}^8 E_{i,3}$
C	Wages & Salaries, Employer's Contribution	1 + 2 (As defined below)
1	Wages & Salaries including Bonus	1.1 + 1.2
1.1	Wages & Salaries	1.1.1 + 1.1.2 + 1.1.3
1.1.1	Workers	$E_{1,5} + E_{2,5} + E_{3,5} + E_{5,5}$
1.1.2	Supervisory & Managerial Staff	$E_{7,5}$
1.1.3	Other Employees	$E_{8,5}$
1.2	Bonus to all Staff	$\sum_{i=1, i \neq 4, 6}^8 E_{i,6}$
2	Employer's Contribution etc.	$E_{6,7} + E_{7,7} + E_{8,7}$
Volume – I (Table – 5 & 6) Fuels Consumed		
1	Coal Consumed	H13, 6
2	Electricity Purchased	H11, 6
3	Petroleum Products	H12, 6
4	Other Fuels	H14, 6

Note: ASI 1997-98 extracted data needs to be augmented to match the results with Publication.

Remarks:

- Alphabets in italics under the 'Formula' column represent the block codes used in the schedule
- Unless otherwise mentioned, the symbols are of the form *<Block Row, Column>*. For example $E_{8,7}$ represents Row with serial number 8 and column number 7 of Block E.
- 'No. of factories' in Volume I(Table 1&2) are calculated for A12 = 1, 2, 17, 18, 19, 20 where codes 17 to 20 indicate extracted data from the previous year.
- For calculation of closing values 'Addition due to revaluation' (Column 4 of Block C) has not been considered.
- For calculating 'Gross Value of Plant & Machinery' in Volume I (Table 1&2) $C_{3,7}$ has been used in place of $C_{3,3} + C_{3,4} + C_{3,5} - C_{3,6}$ because of non-availability of information in the schedule.
- For calculating 'Man-days employed, Total' in Volume I (Table 3&4), $E_{9,3}$ has been used in

place of
$$\sum_{i=1, i \neq 4, 6}^8 E_{i,3}$$
 because of non-availability of constituent items in the schedule

g) For calculating 'Bonus to all Staff' in Volume I (Table 3&4), $E_{9,8}$ has been used in place of

$$\sum_{i=1, i \neq 4, 6}^8 Ei,8 \text{ because of non-availability of constituent items in the schedule}$$