

Annual Survey of Industries, 2002 – 2003
Flow Chart for Tabulation Program

Volume – I(Table – 1 & 2)

Srl.	Description	Formula
1	No. of factories	A 11
2	Factories in operation	A 11 , for A 12 # 2
3	Fixed Capital	$\sum_{i=1}^9 C_{i,13}$ For i#8
4	Physical Working Capital	$\sum_{i=1}^6 D_{i,4}$ 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	$\sum_{i=1}^9 C_{i,5}$ For i#8
8	Rent paid	F 6,3 + F 8,3 + F 9,3
9	Outstanding Loan	D 17,4
10	Interest paid	F 10,3
11	Rent received	G 6,3 + G 8,3 + G 9,3
12	Interest Received	G 10,3
13	Gross Value of P&M	C 3,3 + C 3,4 + C 3,5 – C 3,6
14	Value of Products & By-products	$\sum_{i>0, i\#12} J_{i,13} + G_{2,3} + G_{4,3}$
15	Total Output	14 + G 1,3 + G 3,3 + G 11,3
16	Fuels consumed	H 11,6 + H 12,6 + H 13,6 + H 14,6
17	Materials consumed	$\sum_{i=1}^6 H_{i,6} + \sum_{i>18} H_{i,6} + H_{8,6} + H_{9,6} + H_{15,6} + \sum_{i>0, i\#7} L_{i,6}$
18	Total Input	16 + 17 + F 1,3 + F 2(i),3 + F 2(ii),3 + F 2(iii),3 + F 2(iv),3 + F 3,3 + F 4,3 + F 5,3 + F 11,3
19	GVA	15 – 18
20	Depreciation	$\sum_{i=1}^9 C_{i,9}$ For i#8
21	NVA	19 – 20
22	Net Fixed Capital Formation (NFCF)	$\sum_{i=1}^9 (C_{i,13} - C_{i,12} - C_{i,4})$ For i#8
23	Gross Fixed Capital Formation (GFCF)	22 + 20
24	Addition in stock of:	
	(a) Materials, Fuels Etc.	$\sum_{i=1}^3 (D_{i,4} - D_{i,3})$
	(b) Semi-Finished Goods	(D 5,4 – D 5,3)
	(c) Finished Goods	(D 6,4 – D 6,3)
	(d) Total	(a) + (b) + (c)
25	Gross Capital Formation	23 + 24 (d)
26	Net income	21 – (8 + 10)
27	Profit	$26 - \sum_{i=1, i\#4,6}^8 (E_{i,8} + E_{i,9}) - \sum_{i=6}^8 (E_{i,10} + E_{i,11})$

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Volume – I(Table – 3 & 4)

Srl.	Description	Formula
A	<u>Average no. of persons engaged</u>	$\sum_{i=1, i \neq 4, 6}^9 E_{i,6}$
1	Workers	$E_{1,6} + E_{2,6} + E_{3,6} + E_{5,6}$
1.1	Directly employed	$E_{1,6} + E_{2,6} + E_{3,6}$
1.1.1	Men	$E_{1,6}$
1.1.2	Women	$E_{2,6}$
1.1.3	Children	$E_{3,6}$
1.2	Employed through Contractors	$E_{5,6}$
2	<i>Employees other than worker</i>	$E_{7,6} + E_{8,6} + E_{9,6}$
2.1	Supervisory & Managerial Staff	$E_{7,6}$
2.2	Other employees	$E_{8,6}$
3	Unpaid family members/proprietor etc.	$E_{9,6}$
B	Man-days employed, Total	$\sum_{i=1, i \neq 4, 6}^8 E_{i,5}$
C	Wages & Salaries, Employer's Contribution	1 + 2 (As defined below)
1	Wages & Salaries including Bonus	1.1 + 1.2 (As defined below)
1.1	Wages & Salaries	1.1.1 + 1.1.2 + 1.1.3 (As defined below)
1.1.1	Workers	$E_{1,8} + E_{2,8} + E_{3,8} + E_{5,8}$
1.1.2	Supervisory & Managerial Staff	$E_{7,8}$
1.1.3	Other Employees	$E_{8,8}$
1.2	Bonus to all Staff	$\sum_{i=1, i \neq 4, 6}^8 E_{i,9}$
2	Employer's Contribution etc.	$E_{10,10} + E_{10,11}$

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), $E_{10,5}$ has been used in place of
$$\sum_{i=1, i \neq 4, 6}^8 E_{i,5}$$
 because of non-availability of constituent items in the schedule
- For calculating 'Bonus to all Staff' in Volume I (Table 3&4), $E_{10,9}$ has been used in place of
$$\sum_{i=1, i \neq 4, 6}^8 E_{i,9}$$
 because of non-availability of constituent items in the schedule