

Annual Survey of Industries, 2001 – 2002
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	$\sum_{i=1}^7 C_{i,13} + C_{9,13}$
4	Physical Working Capital	$\sum_{i=1}^6 D_{i,4} \text{ For } i\#4$
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	$\sum_{i=1}^9 C_{i,5} \text{ For } i\#8$
8	Rent paid	$F_{6,3} + F_{8,3} + F_{9,3}$
9	Outstanding Loan	D17 ,4
10	Interest paid	F10 ,3
11	Rent received	$G_{6,3} + G_{8,3} + G_{9,3}$
12	Interest Received	G10 ,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	$\sum_{i=1}^{11} J_{i,13} + G_{2,3} + G_{4,3}$
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	$\sum_{i=1}^6 H_{i,6} + H_{8,6} + H_{9,6} + H_{15,6} + \sum_{i=1}^6 I_{i,6}$
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	$\sum_{i=1}^7 C_{i,9} + C_{9,9}$
21	NVA	19 – 20
22	Net Fixed Capital Formation (NFCF)	$\sum_{i=1}^9 (C_{i,13} - C_{i,12} - C_{i,4}) \text{ For } i\#8$
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	$26 - \sum_{i=1,i\#4,6}^8 (E_{i,7} + E_{i,8}) - \sum_{i=1,i\#4,6}^8 (E_{i,9} + E_{i,10})$

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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	$E_{1,7} + E_{2,7} + E_{3,7} + E_{5,7}$
1.1.2	Supervisory & Managerial Staff	$E_{7,7}$
1.1.3	Other Employees	$E_{8,7}$
1.2	Bonus to all Staff	$\sum_{i=1, i \neq 4, 6}^8 E_{i,8}$
2	Employer's Contribution etc.	$E_{10,9} + E_{10,10}$
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

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 'Profit' in Volume I (Table 1&2), $E_{10,9} + E_{10,10}$ has been used in place of
$$\sum_{i=1, i \neq 4, 6}^8 (E_{i,9} + E_{i,10})$$
 because of non-availability of constituent items in the schedule

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