

Annual Survey of Industries, 2014 – 2015
Flow Chart for Tabulation Program

Volume – I(Table – 1 & 2)

Srl.	Description	Formula
1	No. of factories	A_{11}
2	Factories in operation	$A11, \text{ for } A12 = 1,2,3$
3	Fixed Capital	$\sum_{i=1}^9 C_{i,13} \text{ For } i\#8$
4	Physical Working Capital	$\sum_{i=1}^6 D_{i,4} \text{ For } i\#4$
5	Working Capital	$4 + D8,4 + D9,4 + D10,4 - (D12,4 + D13,4 + D14,4)$
6	Invested Capital	$3 + 4$
7	Gross Value of additions to fixed capital	$C3,7$
8	Rent paid	$F8,3 + F9,3$
9	Outstanding Loan	$D17,4$
10	Interest paid	$F10,3$
11	Rent received	$G8,3 + G9,3$
12	Interest Received	$G10,3$
13	Gross Value of P&M	$C3,3 + C3,4 + C3,5 - C3,6$
14	Value of Products & By-products	$\sum_{i>0, i\#12} J_{i,13} + G2,3 + G4,3$
15	Total Output	$14 + G1,3 + G3,3 + G6,3 + G11,3$
16	Fuels consumed	$H16,6 + H17,6 + H18,6 + H19,6 + H20,6$
17	Materials consumed	$\sum_{i=1}^{11} H_{i,6} + \sum_{i>24} H_{i,6} + H13,6 + H14,6 + H21,6 + \sum_{i>0, i\#7} I_{i,6}$
18	Total Input	$16 + 17 + F1,3 + F2(i),3 + F2(ii),3 + F3,3 + F4,3 + F5,3 + F6,3 + F11,3$
19	GVA	$15 - 18$
20	Depreciation	$\sum_{i=1}^9 C_{i,9} \text{ For } i\#8$
21	NVA	$19 - 20$
22	Net Fixed Capital Formation (NFCF)	$\sum_{i=1}^9 (C_{i,13} - C_{i,12} - C_{i,4}) \text{ For } i\#8$
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	$(D5,4 - D5,3)$
	(c) Finished Goods	$(D6,4 - D6,3)$
	(d) Total	$(a) + (b) + (c)$
25	Gross Capital Formation	$23 + 24(d)$
26	Net income	$21 - (F8,3 + F9,3 + F10,3) + (G8,3 + G9,3 + G10,3)$
27	Profit	$26 - \sum_{i=1, i\#3,5}^7 E_{i,8} - E10,8 - (E11,8 + E12,8)$

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Volume – I (Table – 3 & 4)

Srl.	Description	Formula
A	Average no. of persons engaged	$\sum_{i=1, i \neq 3, 5}^8 E_{i,6}$
1	Workers	$E_{1,6} + E_{2,6} + E_{4,6}$
1.1	Directly employed	$E_{1,6} + E_{2,6}$
1.1.1	Men	$E_{1,6}$
1.1.2	Women	$E_{2,6}$
1.2	Employed through Contractors	$E_{4,6}$
2	Employees other than worker	$E_{6,6} + E_{7,6}$
2.1	Supervisory & Managerial Staff	$E_{6,6}$
2.2	Other employees	$E_{7,6}$
3	Unpaid family members/proprietor etc.	$E_{8,6}$
B	Man-days employed, Total	$\sum_{i=1, i \neq 3, 5}^7 E_{i,5}$
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	$E_{1,8} + E_{2,8} + E_{4,8}$
1.1.2	Supervisory & Managerial Staff	$E_{6,8}$
1.1.3	Other Employees	$E_{7,8}$
1.2	Bonus to all Staff	$E_{10,8}$
2	Employer's Contribution etc.	$E_{11,8} + E_{12,8}$
Volume – I (Table – 5 & 6) Fuels Consumed		
1	Coal Consumed	H18, 6
2	Electricity Purchased	H16, 6
3	Petroleum Products	H17, 6
4	Other Fuels	H19,6+H20, 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, 2a & 2b) are calculated for A12 = 1, 2, 3, 4, 6, 9.
- All other parameters in Volume I are calculated for A12=1, 2, 3.
- 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), $E_{9,5}$ has been used in place of $\sum_{i=1, i \neq 3, 5}^7 E_{i,5}$ because of non-availability of constituent items in the schedule.