

**Annual Survey of Industries, 2011 – 2012**  
**Flow Chart for Tabulation Program**

*Volume – I (Table – 1 & 2)*

Srl.	Description	Formula
1	No. of factories	A11
2	Factories in operation	A11, for A12 = 1
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 + 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	$\sum_{i=1}^9 C_{i,5}$ For i#8
8	Rent paid	F6,3 + F8,3 + F9,3
9	Outstanding Loan	D17,4
10	Interest paid	F10,3
11	Rent received	G6,3 + 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	$\sum_{i>0, i\#12} J_{i,13} + G_{2,3} + G_{4,3}$
15	Total Output	14 + G1,3 + G3,3 + G11,3
16	Fuels consumed	H16,6 + H17,6 + H18,6 + H19,6 + H20,6
17	Materials consumed	$\sum_{i=1}^{11} H_{i,6} + \sum_{i>24} H_{i,6} + H_{13,6} + H_{14,6} + H_{21,6} + \sum_{i>0, i\#7} I_{i,6}$
18	Total Input	16 + 17 + F1,3 + F2(i),3 + F2(ii),3 + F3,3 + F4,3 + F5,3 + F11,3
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	(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 – (8 + 10)
27	Profit	$26 - \sum_{i=1, i\#3,5}^7 E_{i,8} - E_{10,8} - (E_{11,8} + E_{12,8})$

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**Flow Chart for Tabulation Program**

**Volume – I (Table – 3 & 4)**

<b>Srl.</b>	<b>Description</b>	<b>Formula</b>
A	<b><u>Average no. of persons engaged</u></b>	$\sum_{i=1, i \neq 3, 5}^8 E_{i,6}$
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	<b><i>Employees other than worker</i></b>	$E_{6,6} + E_{7,6}$
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.	$E_{11,8} + E_{12,8}$
<b>Volume – I (Table – 5 &amp; 6) Fuels Consumed</b>		
1	Coal Consumed	H18, 6
2	Electricity Purchased	H16, 6
3	Petroleum Products	H17, 6
4	Gas Consumed	H19, 6
5	Other Fuels	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  $\langle \text{Block Row, Column} \rangle$ . 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, 4, 6, 9.
- All other parameters in Volume I are calculated for A12=1.
- 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.