

# Annual Survey of Industries, 1999 – 2000

## 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	$\sum_{i=1}^6 Ci ,13 + C 8,13$
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	$\sum_{i=1}^6 Ci ,9 + C 8,9$
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	$24 - \sum_{i=1, i\#4,6}^8 (Ei ,7 + Ei ,8) - \sum_{i=6}^8 (Ei ,9 + Ei ,10 )$

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**Flow Chart for Tabulation Program**

**Volume – I( Table – 3 & 4)**

Srl.	Description	Formula
A	Average no. of persons engaged	$\sum_{i=1, i \neq 4, 6}^8 Ei, 6$
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	Employees other than worker	$E 7,6 + E 8,6$
2.1	Supervisory & Managerial Staff	$E 7,6$
2.2	Other employees	$E 8,6$
B	Man-days employed, Total	$\sum_{i=1, i \neq 4, 6}^8 Ei, 5$
C	Wages & Salaries, Employer's Contribution	$1 + 2$
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	$E 1,7 + E 2,7 + E 3,7 + E 5,7$
1.1.2	Supervisory & Managerial Staff	$E 7,7$
1.1.3	Other Employees	$E 8,7$
1.2	Bonus to all Staff	$\sum_{i=1, i \neq 4, 6}^8 Ei, 8$
2	Employer's Contribution etc.	$E 6,7 + E 7,7 + E 8,7$

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