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	$A11, for A12\#2$
3	Fixed Capital	$\sum_{i=1}^{7} Ci,13 + C9,13$
4	Physical Working Capital	$\sum_{i=1}^{6} Di,4 \ For \ i\#4$
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	$\sum_{i=1}^{9} Ci,5 \ For \ i\#8$
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	$\sum_{i=1}^{11} Ji,13 + G2,3 + G4,3$
15	**Total Output**	$14 + G1,3 + G3,3 + G11,3$
16	Fuels consumed	$H11,6 + H12,6 + H13,6 + H14,6$
17	Materials consumed	$\sum_{i=1}^{6} Hi,6 + H8,6 + H9,6 + H15,6 + \sum_{i=1}^{6} Ii,6$
18	**Total Input**	$16 + 17 + F1,3 + F2(i),3 + F2(ii),3 + F2(iii),3 + F2(iv),3 + F3,3 + F4,3 + F5,3 + F11,3$
19	GVA	$15 - 18$
20	Depreciation	$\sum_{i=1}^{7} Ci,9 + C9,9$
21	NVA	$19 - 20$
22	Net Fixed Capital Formation (NFCF)	$\sum_{i=1}^{9} (Ci,13 - Ci,12 - Ci,4) \ For \ i\#8$
23	Gross Fixed Capital Formation (GFCF)	$22 + 20$
24	Addition in stock of:	
	(a) Materials, Fuels Etc.	$\sum_{i=1}^{3} (Di,4 - Di,3)$
	(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	$26 - \sum_{i=1,i\#4,6}^{8} (Ei,7 + Ei,8) - \sum_{i=1,i\#4,6}^{8} (Ei,9 + Ei,10)$

Volume – I(Table – 3 & 4)

Srl.	Description	Formula
A	**<u>Average no. of persons engaged</u>**	$\sum\limits_{i=1,i\#4,6}^{9} Ei,6$
1	Workers	$E1,6 + E2,6 + E3,6 + E5,6$
1.1	Directly employed	$E1,6 + E2,6 + E3,6$
1.1.1	Men	$E1,6$
1.1.2	Women	$E2,6$
1.1.3	Children	$E3,6$
1.2	Employed through Contractors	$E5,6$
2	***Employees other than worker***	$E7,6 + E8,6 + E9,6$
2.1	Supervisory & Managerial Staff	$E7,6$
2.2	Other employees	$E8,6$
3	Unpaid family members/proprietor etc.	$E9,6$
B	Man-days employed, Total	$\sum\limits_{i=1,i\#4,6}^{8} Ei,5$
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	$E1,7 + E2,7 + E3,7 + E5,7$
1.1.2	Supervisory & Managerial Staff	$E7,7$
1.1.3	Other Employees	$E8,7$
1.2	Bonus to all Staff	$\sum\limits_{i=1,i\#4,6}^{8} Ei,8$
2	Employer's Contribution etc.	$E10,9 + E10,10$

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:

a) Alphabets in italics under the 'Formula' column represent the block codes used in the schedule

b) Unless otherwise mentioned, the symbols are of the form *<Block Row, Column>.* For example $E8,7$ represents Row with serial number 8 and column number 7 of Block E.

c) '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.

d) 'Factories in operation' in Volume I are calculated for A12 = 1, 17, 18, 19, 20 where codes 17 to 20 indicate extracted data from the previous year.

e) For calculation of closing values 'Addition due to revaluation' (Column 4 of Block C) has not been considered.

f) All other parameters in volume I are calculated for A12< 7 or A12>= 17.

g) For calculating 'Gross Value of Plant & Machinery' in Volume I (Table 1&2) $C3,7$ has been used in place of $C3,3+C3,4+C3,5-C3,6$ because of non-availability of information in the schedule.

h) For calculating 'Profit' in Volume I (Table 1&2), $E10,9 + E10,10$ has been used in place of $\sum\limits_{i=1,i\#4,6}^{8}(Ei,9+Ei,10)$ because of non-availability of constituent items in the schedule

i) For calculating 'Man-days employed, Total' in Volume I (Table 3&4), $E10,5$ has been used in place of $\sum\limits_{i=1,i\#4,6}^{8} Ei,5$ because of non-availability of constituent items in the schedule

j) For calculating 'Bonus to all Staff' in Volume I (Table 3&4), $E10,8$ has been used in place of $\sum\limits_{i=1,i\#4,6}^{8} Ei,8$ because of non-availability of constituent items in the schedule