Annual Survey of Industries, 2007-08
Flow Chart for Tabulation Program

Volume – I(Table – 1 & 2)

Srl.	Description	Formula
1	No. of factories	$A\,11$
2	Factories in operation	$A\,11\,,\ for A\ 12\ \#\,2$
3	Fixed Capital	$\sum_{i=1}^{9} C_i\,,12\quad For\ i\#8$
4	Physical Working Capital	$\sum_{i=1}^{6} D_i\,,4\ For\ i\#4$
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	$\sum_{i=1}^{9} C_i\,,5\ For\ i\#8$
8	Rent paid	$F\,6,3 + F\,8,3 + F\,9,3$
9	Outstanding Loan	$D\,17\,,4$
10	Interest paid	$F\,10\,,3$
11	Rent received	$G\,6,3 + G\,8,3 + G\,9,3$
12	Interest Received	$G\,10\,,3$
13	Gross Value of P&M	$C\,3,3 + C\,3,4 + C\,3,5 - C\,3,6$
14	Value of Products & By-products	$\sum_{i>0,\,i\#12} J_i\,,13 + G\,2,3 + G\,4,3$
15	Total Output	$14 + G\,1,3 + G\,3,3 + G\,11,3$
16	Fuels consumed	$H\,16\,,6 + H\,17\,,6 + H\,18\,,6 + H\,19\,,6$
17	Materials consumed	$\sum_{i=1}^{11} H_i\,,6 + \sum_{i>23} H_i\,,6 + H\,13\,,6 + H\,14\,,6 + H\,20\,,6 + \sum_{i>0,\,i\#7} I_i\,,6$
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	$\sum_{i=1}^{9} C_i\,,9\quad For\ i\#\,8$
21	NVA	$19 - 20$
22	Net Fixed Capital Formation (NFCF)	$\sum_{i=1}^{9} (C_i\,,12 - C_i\,,11 - C_i\,,4)\ For\ i\#8$
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	$(D\,5,4 - D\,5,3)$
	(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	$26 - \sum_{i=1,\,i\#4,6}^{8} E_i\,,8 - E\,10\,,9 - (E\,10\,,10 + E\,10\,,11)$

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*	$E7,6 + E8,6$
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	$E1,8 + E2,8 + E3,8 + E5,8$
1.1.2	Supervisory & Managerial Staff	$E7,8$
1.1.3	Other Employees	$E8,8$
1.2	Bonus to all Staff	$\sum\limits_{i=1, i\#4,6}^{8} Ei,9$
2	Employer's Contribution etc.	$E10,10 + E10,11$
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

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

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

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 '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

i) For calculating 'Bonus to all Staff' in Volume I (Table 3&4), $E10,9$ has been used in place of $\sum\limits_{i=1, i\#4,6}^{8} Ei,9$ because of non-availability of constituent items in the schedule.