

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry Commodity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Paddy	0.103973	0.001173					0.006262								
2	Wheat	0.000405	0.090591					0.000885								
3	Jowar			0.008057												
4	Bajra				0.006349											
5	Maize		0.000917			0.011674		0.000121								
6	Gram	0.000054	0.007849				0.039767	0.026412								
7	Pulses	0.000262						0.046174								
8	Sugarcane								0.043896							
9	Groundnut	0.000015								0.037300						
10	Jute															
11	Cotton	0.000042						0.001032			0.003514					
12	Tea															
13	Coffee															
14	Rubber															
15	Coconut															0.007569
16	Tobacco															
17	Other crops	0.000095						0.000396								
18	Milk and milk products		0.000003													
19	Animal services(agricultural)	0.021637	0.022100	0.103789	0.098879	0.075023	0.043849	0.082315	0.012902	0.082089	0.070428	0.028404				
20	Other livestock products	0.003058	0.001347	0.013811	0.016049	0.015864	0.000295	0.006203	0.002490	0.006117	0.019052	0.015414	0.044622	0.104194		0.030347
21	Forestry and logging															
22	Fishing															
23	Coal and lignite		0.000002					0.000007								
24	Crude petroleum, natural gas															
25	Iron ore															
26	Manganese ore															
27	Bauxite															
28	Copper ore															
29	Other metallic minerals															

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Sec. Code	Industry Commodity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
30	Lime stone															
31	Mica															
32	Other non metallic minerals															
33	Sugar		0.000004													
34	Khandsari, boora															
35	Hydrogenated oil(vanaspati)															
36	Edible oils other than vanaspati	0.000012	0.000002					0.000575								
37	Tea and coffee processing															
38	Miscellaneous food products	0.000104														
39	Beverages															
40	Tobacco products															
41	Khadi, cotton textiles(handlooms)															
42	Cotton textiles							0.000042								
43	Woolen textiles															
44	Silk textiles															
45	Art silk, synthetic fiber textiles											0.000463				
46	Jute, hemp, mesta textiles	0.002518	0.002115					0.001594								
47	Carpet weaving															
48	Readymade garments	0.000006	0.000008	0.000002	0.000003	0.000004	0.000004	0.000002	0.000003	0.000003			0.000009			
49	Miscellaneous textile products													0.000001		
50	Furniture and fixtures-wooden	0.000017	0.000023	0.000007	0.000009	0.000013	0.000012	0.000005	0.000010	0.000008			0.000015			
51	Wood and wood products												0.000004			
52	Paper, paper prods. & newsprint	0.000040	0.000052	0.000016	0.000019	0.000030	0.000029	0.000011	0.000022	0.000017			0.000039			
53	Printing and publishing	0.000116	0.000153	0.000047	0.000054	0.000088	0.000083	0.000030	0.000066	0.000051			0.000098			
54	Leather footwear															
55	Leather and leather products												0.000001			
56	Rubber products	0.000008	0.000010	0.000003	0.000003	0.000006	0.000005	0.000002	0.000004	0.000003			0.000007			
57	Plastic products															
58	Petroleum products	0.007748	0.013178	0.011241	0.018193	0.006545	0.004968	0.006747	0.001830	0.004270			0.006949			

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Sec. Code	Industry	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
59	Coal tar products															
60	Inorganic heavy chemicals	0.000024	0.000001				0.000062					0.000007				
61	Organic heavy chemicals	0.000021	0.000001				0.000047					0.000010				
62	Fertilizers	0.076496	0.095835	0.071183	0.075590	0.111049	0.030616	0.083139	0.054893	0.055735	0.039396	0.073285	0.041271		0.035417	0.098959
63	Pesticides	0.009191	0.003915	0.001200	0.000775	0.000220	0.006405	0.016125	0.002064	0.015332	0.010488	0.039914	0.005531	0.045652	0.036632	0.023590
64	Paints, varnishes and lacquers											0.000001				
65	Drugs and medicines															
66	Soaps, cosmetics & glycerin						0.000016									
67	Synthetic fibers, resin															
68	Other chemicals						0.000129									
69	Structural clay products															
70	Cement															
71	Other non-metallic mineral prods.											0.000006				
72	Iron, steel and ferro alloys															
73	Iron and steel casting & forging											0.000031				
74	Iron and steel foundries											0.000014				
75	Non-ferrous basic metals											0.000004				
76	Hand tools, hardware	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000		0.000004				
77	Miscellaneous metal products	0.000014	0.000019	0.000006	0.000007	0.000011	0.000010	0.000004	0.000008	0.000006		0.000013				
78	Tractors and agri. implements	0.000597	0.000928	0.002564	0.002250	0.002349	0.000897	0.007352	0.000893	0.001049	0.001881	0.001185		0.001936	0.000161	
79	Industrial machinery(F & T)	0.000438										0.000010				
80	Industrial machinery(others)											0.000002				
81	Machine tools											0.000012				
82	Office computing machines	0.000001	0.000001	0.000000	0.000000	0.000001	0.000001	0.000000	0.000000	0.000000		0.000001				
83	Other non-electrical machinery	0.000063	0.000083	0.000025	0.000029	0.000047	0.000045	0.000016	0.000036	0.000028		0.000058				
84	Electrical industrial Machinery											0.000010				
85	Electrical wires & cables															
86	Batteries	0.000002	0.000002	0.000001	0.000001	0.000001	0.000001	0.000000	0.000001	0.000001		0.000001				
87	Electrical appliances	0.000010	0.000014	0.000004	0.000005	0.000008	0.000007	0.000003	0.000006	0.000005		0.000021				

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
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Sec. Code	Industry / Commodity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
88	Communication equipments											0.000001				
89	Other electrical Machinery											0.000004				
90	Electronic equipments (incl.TV)															
91	Ships and boats															
92	Rail equipments															
93	Motor vehicles	0.000042	0.000055	0.000017	0.000019	0.000032	0.000030	0.000011	0.000024	0.000019		0.000036				
94	Motor cycles and scooters											0.000001				
95	Bicycles, cycle-rickshaw											0.000001				
96	Other transport equipments	0.000233	0.000200	0.000496	0.000432	0.000403	0.000336	0.000447	0.000134	0.000269	0.000294	0.000215	0.000670	0.000025		
97	Watches and clocks															
98	Miscellaneous manufacturing	0.000021	0.000027	0.000008	0.000010	0.000016	0.000015	0.000005	0.000012	0.000009		0.000019				
99	Construction	0.003801	0.006414	0.012964	0.011602	0.011651	0.009925	0.011431	0.004704	0.005004	0.006317	0.007345	0.016160	0.000607		
100	Electricity	0.009987	0.017351	0.000790	0.002786	0.007947	0.003506	0.004614	0.005187	0.001475		0.006191				
101	Gas															
102	Water supply	0.000003	0.000004	0.000001	0.000002	0.000002	0.000002	0.000001	0.000002	0.000001		0.000003				
103	Railway transport services	0.003236	0.004057	0.003006	0.003451	0.004245	0.001332	0.003273	0.002059	0.002173	0.001396	0.002950	0.001470	0.000031	0.001250	0.003502
104	Other transport services	0.015383	0.017312	0.033927	0.034208	0.030428	0.014202	0.030625	0.008669	0.025664	0.022521	0.017229	0.009578	0.014159	0.003090	0.012746
105	Storage and warehousing															
106	Communication	0.000426	0.000561	0.000172	0.000199	0.000322	0.000305	0.000111	0.000241	0.000189		0.000363				
107	Trade	0.031751	0.034349	0.019914	0.021632	0.028173	0.010334	0.030865	0.020718	0.016771	0.011428	0.023873	0.013458	0.015646	0.011907	0.027603
108	Hotels and restaurants	0.000042	0.000056	0.000017	0.000020	0.000032	0.000030	0.000011	0.000024	0.000019		0.000036				
109	Banking	0.011261	0.010848	0.011918	0.012014	0.012138	0.012480	0.010847	0.011950	0.012247	0.011845	0.010785	0.010837	0.012855	0.010300	0.009118
110	Insurance	0.000141	0.000105					0.000111								
111	Ownership of dwellings															
112	Education and research															
113	Medical and health															
114	Other services	0.000007	0.000010	0.000003	0.000004	0.000005	0.000005	0.000002	0.000004	0.000004		0.000006				
115	Public administration															
	Total Inputs at Factor Cost	0.303301	0.331674	0.295190	0.304594	0.318328	0.179496	0.378060	0.172852	0.265856	0.195047	0.238567	0.126767	0.211303	0.099389	0.213433
	Net Indirect Tax	-0.041050	-0.055144	-0.026670	-0.025588	-0.047463	-0.012586	-0.035922	-0.022374	-0.023747	-0.017356	-0.029812	-0.018787	0.001355	-0.016062	-0.045194
	Total Inputs at Purchaser's Price	0.262252	0.276530	0.268520	0.279006	0.270865	0.166910	0.342138	0.150478	0.242109	0.177692	0.208755	0.107980	0.212658	0.083327	0.168240
	Gross Value Added	0.737748	0.723470	0.731480	0.720994	0.729135	0.833090	0.657862	0.849522	0.757891	0.822308	0.791245	0.892020	0.787342	0.916673	0.831760
	GROSS Value of Output	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

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Sec. Code	Industry	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	Paddy		0.002354			0.011340										
2	Wheat		0.004744	0.000755	0.008558	0.006640										
3	Jowar		0.000048			0.005316										
4	Bajra		0.000011	0.000368	0.000107	0.004577										
5	Maize		0.000061	0.000108		0.004374										
6	Gram		0.001554	0.002795	0.012122	0.006750										
7	Pulses		0.001853	0.004565	0.014501	0.002022										
8	Sugarcane			0.004363												
9	Groundnut		0.000017													
10	Jute															
11	Cotton		0.000134													
12	Tea															
13	Coffee															
14	Rubber															
15	Coconut															
16	Tobacco	0.000154														
17	Other crops		0.005774	0.111402	0.748342	0.182392	0.000088	0.000273								
18	Milk and milk products		0.000002	0.001660												
19	Animal services(agricultural)	0.011142	0.039141													
20	Other livestock products	0.002773	0.002471			0.000166										
21	Forestry and logging			0.000418			0.003861									
22	Fishing							0.014198								
23	Coal and lignite		0.000000			0.000005			0.002813					0.000151	0.000138	0.000000
24	Crude petroleum, natural gas								0.002113							
25	Iron ore															
26	Manganese ore															
27	Bauxite															
28	Copper ore															
29	Other metallic minerals															

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Sec. Code	Industry	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
30	Lime stone															
31	Mica															
32	Other non metallic minerals								0.015758							
33	Sugar		0.000002													
34	Khandsari, boora															
35	Hydrogenated oil(vanaspati)															
36	Edible oils other than vanaspati		0.000010	0.012560	0.057805	0.013731										
37	Tea and coffee processing															
38	Miscellaneous food products		0.000011	0.000701	0.001287	0.010029		0.004003								
39	Beverages		0.000005													
40	Tobacco products															
41	Khadi, cotton textiles(handlooms)						0.000008									
42	Cotton textiles		0.000001	0.005995	0.000293	0.000411	0.000007									
43	Woolen textiles						0.000001									
44	Silk textiles															
45	Art silk, synthetic fiber textiles															
46	Jute, hemp, mesta textiles		0.000534			0.000070	0.000015	0.007043	0.000001							
47	Carpet weaving															
48	Readymade garments	0.000001	0.000002						0.000015				0.000026	0.000128	0.000012	0.000018
49	Miscellaneous textile products						0.001024	0.020566								
50	Furniture and fixtures-wooden	0.000004	0.000006				0.000041		0.000045	0.000220		0.000077	0.000385	0.000035		
51	Wood and wood products						0.000032	0.005294	0.008728	0.001081	0.030538		0.000011	0.001801		
52	Paper, paper prods. & newsprint	0.000008	0.000014				0.001575		0.001037	0.000776	0.000571	0.000255	0.000883	0.000148	0.000126	
53	Printing and publishing	0.000028	0.000040				0.000536		0.000448		0.000952	0.000544	0.002542	0.000300	0.000353	
54	Leather footwear															
55	Leather and leather products															
56	Rubber products	0.000002	0.000005				0.002297		0.001965	0.010885		0.000499	0.007400	0.000012	0.005314	
57	Plastic products						0.000171		0.000001							
58	Petroleum products	0.002241	0.003112				0.006537	0.015782	0.007255	0.009983	0.034208	0.009637	0.011057	0.032899	0.014121	0.013149

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Sec. Code	Industry	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
59	Coal tar products															
60	Inorganic heavy chemicals		0.000006											0.010999		
61	Organic heavy chemicals		0.000005										0.000254			
62	Fertilizers	0.046002	0.037327				0.000002									
63	Pesticides	0.001050	0.009206				0.000019									
64	Paints, varnishes and lacquers						0.000000									
65	Drugs and medicines			0.000318	0.001353	0.005778										
66	Soaps, cosmetics & glycerin		0.000000													
67	Synthetic fibers, resin															
68	Other chemicals		0.000002			0.000003	0.000005	0.003254	0.022585	0.009627	0.030014	0.001021	0.009175	0.025133	0.032267	0.029632
69	Structural clay products						0.000002									
70	Cement						0.000001			0.000076						
71	Other non-metallic mineral prods.						0.000002		0.000000	0.008275	0.000000			0.000000		
72	Iron, steel and ferro alloys															
73	Iron and steel casting & forging															
74	Iron and steel foundries						0.000048	0.000178	0.000000	0.000117						
75	Non-ferrous basic metals							0.000083								
76	Hand tools, hardware	0.000000	0.000000				0.000486	0.000062	0.001302	0.005697				0.007396	0.000024	
77	Miscellaneous metal products	0.000004	0.000005	0.000108		0.000968	0.002862	0.004684	0.007671	0.003404	0.033826	0.000792	0.018516	0.007863	0.000076	
78	Tractors and agri. implements	0.000935	0.000645				0.000000									
79	Industrial machinery(F & T)		0.000040	0.000037		0.000334										
80	Industrial machinery(others)								0.009977	0.011492	0.001337	0.001990	0.007145	0.002325	0.004944	0.000222
81	Machine tools						0.000014		0.006396							
82	Office computing machines	0.000000	0.000000				0.000094		0.000179	0.000001	0.000101	0.000005		0.000019	0.000325	
83	Other non-electrical machinery	0.000015	0.000022				0.000292		0.023754	0.011363	0.003522	0.013424	0.010780	0.003846	0.007098	0.025902
84	Electrical industrial Machinery						0.000001									
85	Electrical wires & cables															
86	Batteries	0.000000	0.000001				0.000468		0.000031	0.000001	0.000016	0.000030		0.000027	0.000002	0.000004
87	Electrical appliances	0.000003	0.000004				0.000028		0.000027	0.000009		0.000070		0.000228	0.000021	0.000031

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88	Communication equipments						0.000001									
89	Other electrical Machinery															
90	Electronic equipments (incl.TV)						0.000040		0.000001		0.000004	0.000002	0.000001	0.000007	0.000001	0.000001
91	Ships and boats							0.021022								
92	Rail equipments															
93	Motor vehicles	0.000010	0.000015				0.002033		0.006784	0.000036	0.000714	0.000440		0.000862	0.000884	0.000760
94	Motor cycles and scooters						0.000094		0.000001		0.000003	0.000002	0.000001	0.000005	0.000001	0.000001
95	Bicycles, cycle-rickshaw						0.000125		0.000009	0.000003	0.000042	0.000023	0.000015	0.000073	0.000007	0.000010
96	Other transport equipments	0.000144	0.000136													
97	Watches and clocks															
98	Miscellaneous manufacturing	0.000005	0.000007				0.002862		0.011431		0.000688	0.000608	0.000215	0.000453	0.000147	0.000062
99	Construction	0.004100	0.000669	0.000146	0.000383	0.001120	0.024956		0.002960	0.015668	0.004404	0.001333	0.004709	0.002176	0.018596	0.024975
100	Electricity	0.001873	0.002231				0.000856	0.000974	0.051956	0.007992	0.051072	0.001982	0.004666	0.101882	0.082567	0.031829
101	Gas															
102	Water supply	0.000001	0.000001				0.000079	0.000025	0.000382		0.000111	0.000022	0.000224	0.000071	0.000759	0.000182
103	Railway transport services	0.001732	0.001479	0.000074	0.000368	0.000129	0.004481	0.000753	0.005815	0.001612	0.012438	0.020603	0.020180	0.013809	0.002832	0.005509
104	Other transport services	0.007312	0.013679	0.005229	0.031067	0.010198	0.015273	0.007997	0.028959	0.006942	0.022108	0.016395	0.022544	0.019636	0.007020	0.012924
105	Storage and warehousing															
106	Communication	0.000105	0.000148				0.002085		0.001784	0.000382	0.006097	0.003731	0.002087	0.009174	0.002045	0.001380
107	Trade	0.010455	0.011985	0.023616	0.132089	0.039738	0.003595	0.013312	0.013886	0.007812	0.017307	0.009378	0.006788	0.013853	0.008886	0.008843
108	Hotels and restaurants	0.000010	0.000015				0.002955		0.000749	0.000001	0.001003	0.001291	0.000413	0.000029	0.000733	0.000262
109	Banking	0.011319	0.004992	0.002976		0.002976	0.001164	0.002639	0.008714	0.008714	0.008714	0.008714	0.008714	0.008714	0.008714	0.008714
110	Insurance		0.000019					0.001200	0.000185	0.000047	0.000975	0.000740	0.001176	0.001086	0.000701	0.001456
111	Ownership of dwellings															
112	Education and research															
113	Medical and health						0.007319									
114	Other services	0.000001	0.000003				0.004583	0.007829	0.012449	0.008745	0.013216	0.024504	0.069903	0.060550	0.021235	0.010365
115	Public administration															
	Total Inputs at Factor Cost	0.101431	0.144543	0.178193	1.008276	0.309070	0.093020	0.131174	0.256053	0.120113	0.254880	0.148797	0.199964	0.327218	0.223822	0.182049
	Net Indirect Tax	-0.019766	-0.016603	-0.000616	-0.008276	-0.003660	0.006970	0.013823	0.025238	0.018345	0.032286	0.011895	0.020031	0.029172	0.017712	0.014525
	Total Inputs at Purchaser's Price	0.081665	0.127940	0.177578	1.000000	0.305410	0.099990	0.144997	0.281291	0.138458	0.287166	0.160692	0.219995	0.356389	0.241534	0.196574
	Gross Value Added	0.918335	0.872060	0.822422	0.000000	0.694590	0.900010	0.855003	0.718709	0.861542	0.712834	0.839308	0.780005	0.643611	0.758466	0.803426
	GROSS Value of Output	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000



**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry / Commodity	31	32	33	34	35	36	37	38	39	40	41	42	43	44
1	Paddy					0.000011	0.000064		0.056783	0.002181		0.000527			
2	Wheat						0.000310		0.070032	0.005250	0.000008		0.000039		
3	Jowar								0.000605						
4	Bajra								0.000897						
5	Maize								0.008092	0.001527					
6	Gram								0.000190				0.000003		
7	Pulses				0.000001		0.000100		0.017063						
8	Sugarcane			0.580094	0.448514				0.000053						
9	Groundnut				0.000012	0.049778	0.308046		0.009993	0.000000					
10	Jute														
11	Cotton						0.003197					0.023506	0.210198		
12	Tea							0.315827	0.000224						
13	Coffee							0.070801	0.000247						
14	Rubber														
15	Coconut						0.012378		0.008412						
16	Tobacco								0.000001		0.090381	0.000007			
17	Other crops			0.000190	0.147821	0.325441	0.256840	0.000791	0.117478	0.085955	0.010812	0.000370	0.002006	0.000001	
18	Milk and milk products								0.105571		0.000002				
19	Animal services(agricultural)														
20	Other livestock products						0.000240		0.031021	0.000773			0.000114	0.088258	0.157298
21	Forestry and logging				0.000000		0.000370		0.000688	0.000309	0.062427	0.000295	0.001004	0.000000	0.000155
22	Fishing								0.016262						
23	Coal and lignite	0.000090				0.008245	0.002219	0.010661	0.003544	0.011510	0.000500	0.000077	0.004372	0.009501	0.002295
24	Crude petroleum, natural gas							0.009671	0.001610	0.001506					
25	Iron ore									0.000000					
26	Manganese ore														
27	Bauxite														
28	Copper ore														
29	Other metallic minerals						0.000073					0.000495			

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry Commodity	31	32	33	34	35	36	37	38	39	40	41	42	43	44
30	Lime stone														
31	Mica														
32	Other non metallic minerals			0.000008				0.000191				0.000022			
33	Sugar							0.014953	0.031924						
34	Khandsari, boora					0.000093		0.013971	0.002235						
35	Hydrogenated oil(vanaspati)					0.002977		0.001003							
36	Edible oils other than vanaspati			0.000030		0.124096	0.029144	0.007011		0.000001					
37	Tea and coffee processing							0.047735	0.000101						
38	Miscellaneous food products		0.000016	0.002658		0.000127	0.001184	0.097942	0.037205	0.001021		0.000582	0.002269		0.002635
39	Beverages							0.000871	0.028440						
40	Tobacco products									0.000007	0.055894				
41	Khadi, cotton textiles(handlooms)											0.022059	0.000275	0.059545	0.006567
42	Cotton textiles					0.005513	0.000899	0.000850		0.002078		0.214815	0.078232	0.124736	0.011356
43	Woolen textiles											0.001679	0.000222	0.019031	0.018427
44	Silk textiles											0.002725	0.000059	0.000068	0.072002
45	Art silk, synthetic fiber textiles											0.009033	0.001012	0.028050	0.017318
46	Jute, hemp, mesta textiles			0.014558	0.008168	0.001714	0.000744	0.000147	0.001757	0.000269	0.001373	0.000262	0.000328	0.028614	0.000302
47	Carpet weaving													0.000066	
48	Readymade garments		0.000001									0.000098		0.000303	0.000171
49	Miscellaneous textile products		0.000001	0.000919		0.000803	0.000613	0.000435	0.000530		0.000984	0.006464	0.000433	0.003296	0.006682
50	Furniture and fixtures-wooden	0.000024	0.000004									0.000221	0.000003		0.000092
51	Wood and wood products	0.026150	0.000461			0.004988	0.001956	0.004682	0.006009	0.020455	0.006337	0.003642	0.000324	0.002044	0.005540
52	Paper, paper prods. & newsprint	0.000044	0.000054	0.001495	0.000680	0.005434	0.003360	0.003109	0.006666	0.028822	0.048481	0.002871	0.002885	0.001267	0.002626
53	Printing and publishing	0.000151	0.000049	0.000000					0.000212		0.000034			0.000261	
54	Leather footwear														
55	Leather and leather products							0.000158						0.000087	
56	Rubber products		0.001068			0.000272	0.000450	0.000757	0.001326	0.000635	0.000698		0.000376	0.000491	
57	Plastic products		0.000020	0.000301	0.000376	0.002360	0.000843	0.001516	0.008960	0.003652	0.001277	0.001485	0.000884	0.001502	0.004643
58	Petroleum products	0.058564	0.006269	0.002365	0.011270	0.002733	0.002771	0.000697	0.010226	0.004165	0.005075	0.005940	0.004337	0.007650	0.006065

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	31	32	33	34	35	36	37	38	39	40	41	42	43	44
59	Coal tar products			0.000649		0.000007		0.001063	0.000165	0.000427		0.000285	0.000767	0.000014	0.001219
60	Inorganic heavy chemicals	0.000000		0.003416	0.006578	0.004820	0.001240	0.000343	0.003447	0.001385	0.000323	0.001993	0.005738	0.002172	0.008416
61	Organic heavy chemicals			0.003758	0.002395	0.026413	0.001367	0.000348	0.003478	0.001712	0.001418	0.001157	0.005095	0.002710	0.002006
62	Fertilizers									0.000000					
63	Pesticides												0.000000		
64	Paints, varnishes and lacquers			0.000102	0.000055	0.000011	0.000065	0.000014	0.000389	0.000249	0.000052	0.003131	0.016956	0.015914	0.003162
65	Drugs and medicines					0.001558			0.007047	0.000162	0.000742				
66	Soaps, cosmetics & glycerin								0.000180		0.000010	0.001039	0.001628		
67	Synthetic fibers, resin										0.001629	0.004899	0.020170	0.057217	0.004753
68	Other chemicals	0.070192	0.028670			0.065743	0.006191	0.000042	0.008175	0.028288	0.010227	0.001223	0.003138	0.005146	0.004497
69	Structural clay products		0.000002												
70	Cement														
71	Other non-metallic mineral prods.					0.000078	0.000110	0.004163	0.001752	0.056724	0.000327	0.000626	0.000302	0.000428	0.001595
72	Iron, steel and ferro alloys														
73	Iron and steel casting & forging														
74	Iron and steel foundries		0.000008			0.000429	0.000359	0.000223		0.000610	0.000671	0.001118	0.000701	0.001371	0.005835
75	Non-ferrous basic metals					0.003538	0.000452	0.000560	0.002428	0.001602	0.005203	0.003292	0.000543	0.000623	0.004081
76	Hand tools, hardware			0.001870	0.000336	0.000052	0.000075	0.000057		0.000331	0.000159	0.001041	0.002544	0.000305	0.001181
77	Miscellaneous metal products	0.009396	0.000507	0.001455	0.008467	0.004475	0.001639	0.000000	0.002489	0.022511	0.013149	0.000654	0.000427	0.000429	0.003756
78	Tractors and agri. implements														
79	Industrial machinery(F & T)					0.000005	0.000377	0.000017	0.000949	0.004868	0.019294	0.006305	0.003179	0.005254	0.008726
80	Industrial machinery(others)		0.000415	0.000072	0.000174	0.000037	0.000028	0.000033		0.000149	0.000096	0.000170	0.000183	0.000187	0.000187
81	Machine tools			0.000139	0.002215	0.000969	0.000499	0.000060	0.000418	0.000273	0.000102	0.002289	0.000070	0.000524	0.002187
82	Office computing machines	0.001868													
83	Other non-electrical machinery	0.011454	0.004264	0.000562	0.000165	0.000056	0.000106	0.000074	0.000739	0.000522	0.000222	0.001671	0.000249	0.000540	0.001786
84	Electrical industrial Machinery								0.001491	0.000998	0.000092		0.000150	0.000370	
85	Electrical wires & cables											0.000163			
86	Batteries		0.000002												
87	Electrical appliances	0.000022	0.000003						0.000390	0.000747	0.000515	0.000785	0.001141	0.001078	0.000847

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry / Commodity	31	32	33	34	35	36	37	38	39	40	41	42	43	44
88	Communication equipments							0.000000							
89	Other electrical Machinery								0.000207	0.000061		0.000519	0.000022	0.000036	0.000932
90	Electronic equipments (incl.TV)		0.000000			0.000112		0.000136	0.000000			0.000174			
91	Ships and boats							0.000000							
92	Rail equipments														
93	Motor vehicles	0.004723	0.000354		0.000020		0.000010		0.000050	0.000029			0.000010	0.000015	
94	Motor cycles and scooters		0.000000					0.000000							
95	Bicycles, cycle-rickshaw		0.000001					0.000000							
96	Other transport equipments							0.000000							
97	Watches and clocks														
98	Miscellaneous manufacturing	0.000021	0.000011	0.000221	0.000171	0.000376	0.000272	0.000410	0.000374	0.001744	0.000479	0.002932	0.000648	0.001007	0.001542
99	Construction	0.000056	0.007907	0.002406	0.001210	0.000638	0.000458	0.006596	0.004058	0.002481	0.001466	0.002455	0.002396		0.000736
100	Electricity	0.000254	0.008492	0.009132	0.014396	0.054561	0.014295	0.008117	0.004392	0.015111	0.009326	0.044696	0.119516	0.034367	0.016262
101	Gas			0.000386	0.001048										
102	Water supply		0.000001	0.000582		0.000330	0.000103	0.000067	0.000524	0.000647	0.000055	0.000094	0.001397	0.001769	0.000143
103	Railway transport services	0.003338	0.003137	0.000782	0.001280	0.005028	0.001845	0.004387	0.005041	0.006450	0.004136	0.000867	0.002390	0.005179	0.002103
104	Other transport services	0.013555	0.009691	0.009753	0.016602	0.027623	0.019220	0.154183	0.047014	0.033869	0.032863	0.028691	0.076374	0.046888	0.053528
105	Storage and warehousing														
106	Communication	0.000614	0.001546	0.001102	0.000278	0.001292	0.001490	0.000994	0.002006	0.004489	0.001887	0.000400	0.000189	0.003289	0.001063
107	Trade	0.027952	0.005784	0.115593	0.116028	0.092527	0.067957	0.062280	0.100331	0.072973	0.056137	0.086725	0.088248	0.096454	0.061236
108	Hotels and restaurants		0.001248												
109	Banking	0.008714	0.008714	0.029958	0.036942	0.036942	0.036942	0.036942	0.049092	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942
110	Insurance		0.000566	0.002885	0.000360	0.002148	0.001294	0.002650	0.003237	0.002818	0.001741	0.001047	0.002765	0.003687	0.001335
111	Ownership of dwellings														
112	Education and research														
113	Medical and health														
114	Other services	0.000662	0.011422	0.005734	0.005202	0.003768	0.001709	0.004194	0.014454	0.014080	0.101477	0.027919	0.028491	0.046310	0.039383
115	Public administration														
	Total Inputs at Factor Cost	0.237844	0.100672	0.789848	0.834110	0.867908	0.784113	0.753583	0.886649	0.579955	0.588611	0.562455	0.732112	0.744645	0.583611
	Net Indirect Tax	0.047146	0.007954	0.025542	0.024753	0.019471	-0.004297	0.006896	0.001480	0.063283	0.040742	0.017134	0.005243	0.021533	0.022893
	Total Inputs at Purchaser's Price	0.284990	0.108626	0.815390	0.858862	0.887379	0.779817	0.760479	0.888129	0.643238	0.629353	0.579590	0.737355	0.766178	0.606504
	Gross Value Added	0.715010	0.891374	0.184610	0.141138	0.112621	0.220183	0.239521	0.111871	0.356762	0.370647	0.420410	0.262645	0.233822	0.393496
	GROSS Value of Output	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
1	Paddy							0.000005	0.000555							
2	Wheat				0.000067				0.000404							
3	Jowar															
4	Bajra															
5	Maize															
6	Gram															
7	Pulses					0.000001										
8	Sugarcane							0.000000								
9	Groundnut															
10	Jute		0.228337			0.004038			0.000000					0.000005		
11	Cotton	0.003308				0.000023										
12	Tea															
13	Coffee															
14	Rubber					0.000488					0.006342		0.094464	0.000776		
15	Coconut					0.010462		0.000000								
16	Tobacco															
17	Other crops	0.000005			0.000103	0.000578		0.001142	0.015262			0.000528	0.000216	0.000003		
18	Milk and milk products											0.000165				
19	Animal services(agricultural)															
20	Other livestock products	0.008051			0.000362	0.002260	0.001466	0.002400		0.000822	0.042805	0.093687				
21	Forestry and logging	0.000000		0.000158		0.004029	0.096285	0.187320	0.029265	0.000082	0.000800	0.003819	0.000500	0.000165		0.000805
22	Fishing															
23	Coal and lignite	0.003250	0.004286	0.003698	0.000112	0.000371		0.001046	0.052871	0.000003	0.000405	0.001305	0.005162	0.000269	0.000006	0.340759
24	Crude petroleum, natural gas					0.002155							0.006803	0.007630	0.639728	
25	Iron ore										0.000000					
26	Manganese ore															
27	Bauxite															
28	Copper ore															
29	Other metallic minerals					0.000000		0.000887								

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
30	Lime stone										0.000003					
31	Mica															
32	Other non metallic minerals				0.000308		0.000274	0.000481	0.001129				0.001504			0.001985
33	Sugar															
34	Khandsari, boora															
35	Hydrogenated oil(vanaspati)															
36	Edible oils other than vanaspati										0.000008	0.000003				
37	Tea and coffee processing															
38	Miscellaneous food products	0.000456	0.001217	0.000252		0.000751		0.000090	0.000074	0.003294	0.000366	0.000387				
39	Beverages															
40	Tobacco products															
41	Khadi, cotton textiles(handlooms)	0.003671			0.001956	0.010460										
42	Cotton textiles	0.032258	0.023508	0.044084	0.237405	0.137260	0.000740	0.000609	0.001835	0.000424	0.001319	0.001589	0.009712	0.001338		0.000205
43	Woolen textiles	0.012957		0.100184	0.005351	0.010331						0.000147	0.000048			
44	Silk textiles	0.001102		0.000297	0.013184	0.002584						0.000290	0.000161			
45	Art silk, synthetic fiber textiles	0.222027	0.000116	0.014100	0.121725	0.056165	0.000899	0.001582	0.000653				0.025313	0.006173		
46	Jute, hemp, mesta textiles	0.007546	0.026002	0.003746	0.033132	0.050802	0.000223	0.000181	0.006317	0.000287	0.000817	0.000524	0.000860	0.000541	0.000047	0.000315
47	Carpet weaving	0.000742						0.000000								
48	Readymade garments	0.000207	0.001157		0.001400	0.004188	0.000510		0.000422							
49	Miscellaneous textile products	0.002111	0.001169	0.009177	0.013201	0.018396	0.003409	0.000945	0.005838	0.002832	0.016874	0.004089	0.027504	0.004204	0.000093	0.002301
50	Furniture and fixtures-wooden				0.000038	0.000141	0.061216	0.004613	0.002669	0.000031	0.000014	0.000021	0.000032	0.000141	0.000000	0.000008
51	Wood and wood products	0.005398	0.001248	0.001775	0.000732	0.001292	0.090341	0.054060	0.027546	0.005305	0.008196	0.003242	0.003419	0.002806	0.001166	0.002014
52	Paper, paper prods. & newsprint	0.005797	0.001261	0.002632	0.000582	0.007652	0.003653	0.004502	0.223576	0.227194	0.005811	0.003339	0.003852	0.011163	0.000218	0.000784
53	Printing and publishing				0.000313	0.000109	0.000080	0.000130	0.000483	0.052107			0.000241			0.000007
54	Leather footwear										0.019149					
55	Leather and leather products				0.005998	0.000210	0.000481	0.000173			0.173538	0.281006	0.000841	0.000187		
56	Rubber products	0.000298	0.000550		0.000418	0.003960	0.002023	0.000794	0.000570	0.000601	0.022760	0.001121	0.026619	0.004518	0.000044	0.000298
57	Plastic products	0.000160	0.000282	0.001328	0.013051	0.006461	0.045082	0.003598	0.000852	0.001476	0.002770	0.003668	0.002149	0.052971	0.000023	0.000057
58	Petroleum products	0.002665	0.005144	0.003391	0.003393	0.002033	0.004845	0.004776	0.004930	0.003857	0.004846	0.003635	0.003996	0.001458	0.010318	0.004998

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry Commodity	Industry															
		45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
59	Coal tar products			0.000222	0.000004	0.000317		0.000088					0.000616	0.000026	0.000002	0.007825	
60	Inorganic heavy chemicals	0.005314	0.001213	0.000533	0.000559	0.006705	0.000367	0.000683	0.053024	0.000511	0.000985	0.021797	0.012806	0.002060	0.000335	0.003905	
61	Organic heavy chemicals	0.034893	0.001356	0.000409	0.000562	0.002266	0.001203	0.000885	0.014312	0.000736	0.002027	0.025420	0.005433	0.018140	0.000192	0.001595	
62	Fertilizers					0.000000											
63	Pesticides																
64	Paints, varnishes and lacquers	0.009322	0.001177	0.004362	0.001109	0.011971	0.008599	0.001225	0.004171	0.022734	0.011570	0.023337	0.005307	0.007672	0.001031	0.000289	
65	Drugs and medicines					0.000000											
66	Soaps, cosmetics & glycerin	0.000552			0.008475	0.000291		0.000414	0.000964					0.000190	0.000002	0.000036	
67	Synthetic fibers, resin	0.118299		0.010009	0.008848	0.043645	0.001349	0.006971	0.003089	0.000439	0.001555	0.004005	0.105417	0.277416		0.000262	
68	Other chemicals	0.012537	0.013744	0.004697	0.003595	0.012980	0.003327	0.005603	0.015654	0.016643	0.028802	0.003696	0.104094	0.035450	0.013319	0.000394	
69	Structural clay products							0.000000									
70	Cement																
71	Other non-metallic mineral prods.	0.000472	0.000589	0.000303	0.000325	0.000748	0.003295	0.001526	0.003855	0.002162	0.000974	0.001245	0.000648	0.000946		0.002272	
72	Iron, steel and ferro alloys					0.000831		0.002415					0.001051	0.000811			
73	Iron and steel casting & forging								0.000316								
74	Iron and steel foundries	0.000397	0.002402	0.000992	0.000801	0.000735	0.003692	0.000422	0.000213	0.000634	0.000688	0.000251		0.000511		0.000995	
75	Non-ferrous basic metals	0.000403	0.000741	0.001446	0.000783	0.004725	0.002618	0.005638	0.004002	0.014435	0.001209	0.003434	0.002851	0.004547	0.000080	0.007394	
76	Hand tools, hardware	0.000280	0.004589	0.000198	0.002197	0.000529	0.010387	0.001679	0.001488	0.001490	0.007731	0.001875	0.007133	0.001864	0.001241	0.001183	
77	Miscellaneous metal products	0.000117		0.000000	0.003223	0.001818	0.001397	0.001861	0.000829	0.004103	0.001526	0.002784	0.006673	0.001865	0.002899	0.001906	
78	Tractors and agri. implements															0.000006	
79	Industrial machinery(F & T)	0.007268	0.017205	0.001239	0.004763	0.005186			0.000000								
80	Industrial machinery(others)	0.000175	0.000216	0.000137	0.000083	0.000139	0.000398	0.001084	0.001808	0.002740	0.000225	0.001177	0.000501	0.000597	0.000019	0.001573	
81	Machine tools	0.000365	0.000966	0.000900	0.000110	0.000234	0.000718	0.000319	0.000756	0.000453	0.000127	0.000553	0.000795	0.000576	0.000784	0.001222	
82	Office computing machines																
83	Other non-electrical machinery	0.000426	0.000554	0.000332	0.000352	0.000749	0.003369	0.001857	0.000049	0.000538	0.001247	0.001138	0.001010		0.000048	0.000718	
84	Electrical industrial Machinery		0.000026		0.000692	0.001491	0.000308	0.000540	0.000103	0.000090	0.000114	0.000240	0.000129	0.000177		0.000077	
85	Electrical wires & cables								0.000106				0.000037				
86	Batteries					0.000027											
87	Electrical appliances	0.000160	0.001079	0.000407	0.000680	0.000806	0.002043	0.001304	0.001319	0.002933	0.005200	0.000810	0.000922	0.000959	0.000139	0.004152	

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry Commodity	Industry					Industry					Industry				
		45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
88	Communication equipments											0.000102	0.000184	0.000000	0.000001	
89	Other electrical Machinery	0.000118	0.000227		0.000168		0.000548	0.000128	0.000055	0.000054	0.000084	0.005177	0.000045	0.000038	0.000010	0.000221
90	Electronic equipments (incl.TV)															0.000133
91	Ships and boats															
92	Rail equipments							0.000000					0.000048			
93	Motor vehicles							0.000201	0.000055	0.000043	0.000606	0.000063		0.000056		0.000009
94	Motor cycles and scooters										0.000019			0.000005	0.000000	
95	Bicycles, cycle-rickshaw										0.000025				0.000000	
96	Other transport equipments										0.000013				0.000000	
97	Watches and clocks															
98	Miscellaneous manufacturing	0.001985	0.000710	0.001443	0.001469	0.003212	0.004738	0.004536	0.002327	0.007053	0.003425	0.002593	0.001082	0.000996	0.000185	0.000926
99	Construction	0.001520	0.002021	0.003717	0.001209	0.003964	0.002014	0.004557	0.002169	0.002143	0.001187	0.003475	0.002196	0.001643	0.001025	0.005035
100	Electricity	0.055219	0.066220	0.029980	0.004606	0.012308	0.012517	0.050152	0.061495	0.021121	0.021067	0.012497	0.048378	0.050016	0.025013	0.022838
101	Gas														0.000177	
102	Water supply	0.000308		0.000171	0.000162	0.000494	0.000046	0.000061	0.002601	0.000401	0.000070	0.000199	0.000447	0.000229	0.000951	0.001446
103	Railway transport services	0.001965	0.002824	0.002074	0.001197	0.001756	0.000990	0.002662	0.021678	0.001478	0.006034	0.001147	0.004195	0.001376	0.000639	0.137856
104	Other transport services	0.054452	0.103183	0.036380	0.045794	0.043738	0.021021	0.028631	0.043211	0.038022	0.028984	0.034361	0.045266	0.040389	0.018790	0.071599
105	Storage and warehousing															
106	Communication	0.003803	0.001054	0.001095	0.006235	0.004066	0.000852	0.002423	0.004317	0.007588	0.003522	0.003318	0.003585	0.004095	0.000642	0.001295
107	Trade	0.070417	0.074375	0.065461	0.112311	0.087674	0.056900	0.044387	0.069966	0.043617	0.111150	0.148645	0.099329	0.041414	0.038320	0.125453
108	Hotels and restaurants															
109	Banking	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.039421	0.036942	0.036942
110	Insurance	0.003722	0.003005	0.001457	0.001046	0.001114	0.000357	0.000962	0.003906	0.001866	0.001751	0.001482	0.003342	0.003052	0.003429	0.000797
111	Ownership of dwellings															
112	Education and research															
113	Medical and health															
114	Other services	0.032118	0.006287	0.088316	0.006879	0.016111	0.013796	0.010562	0.001477	0.018124	0.050751	0.020396	0.023322	0.011819	0.001054	0.062048
115	Public administration															
	Total Inputs at Factor Cost	0.765441	0.636873	0.478269	0.707531	0.645249	0.505320	0.490051	0.731509	0.547409	0.636429	0.764624	0.737094	0.642889	0.798911	0.856939
	Net Indirect Tax	0.053657	0.012713	0.025245	0.040670	0.029733	0.033927	0.015775	0.043303	0.042780	0.025371	0.024427	0.038375	0.031853	0.076158	0.014080
	Total Inputs at Purchaser's Price	0.819098	0.649586	0.503514	0.748201	0.674982	0.539247	0.505826	0.774812	0.590189	0.661799	0.789051	0.775468	0.674742	0.875068	0.871019
	Gross Value Added	0.180902	0.350414	0.496486	0.251799	0.325018	0.460753	0.494174	0.225188	0.409811	0.338201	0.210949	0.224532	0.325258	0.124932	0.128981
	GROSS Value of Output	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000



**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74
1	Paddy									0.000343	0.000059		0.000000			
2	Wheat	0.000002								0.000000	0.000022		0.000000			
3	Jowar															
4	Bajra															
5	Maize															
6	Gram															
7	Pulses															
8	Sugarcane													0.000001		
9	Groundnut									0.002810						
10	Jute												0.000003			
11	Cotton										0.000002		0.000000			
12	Tea															
13	Coffee															
14	Rubber															
15	Coconut							0.004369		0.001619						
16	Tobacco															
17	Other crops	0.000343	0.004344				0.002441	0.005670		0.229168	0.004068	0.000047	0.000584		0.000000	0.000003
18	Milk and milk products						0.000042	0.000417								
19	Animal services(agricultural)															
20	Other livestock products		0.001474	0.000624	0.000278	0.001251	0.002911	0.004932		0.003354			0.000479			
21	Forestry and logging	0.004731	0.001708	0.000785	0.000008	0.000089	0.008119	0.004160	0.005500	0.001218	0.010159		0.001340	0.000271		
22	Fishing	0.000100		0.000002								0.000279				
23	Coal and lignite	0.041844	0.019303	0.012016	0.001571	0.006814	0.001035	0.001919	0.015996	0.005508	0.068400	0.118266	0.025766	0.064054	0.029091	0.004246
24	Crude petroleum, natural gas			0.085373		0.008255	0.004596		0.022021	0.004397				0.001215	0.002886	0.001677
25	Iron ore												0.000000	0.020740	0.000045	0.000389
26	Manganese ore	0.000394								0.000011				0.002557		
27	Bauxite			0.000088							0.009124					
28	Copper ore															
29	Other metallic minerals					0.000984				0.000136	0.000127				0.000502	

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74
30	Lime stone	0.006891									0.000339	0.046760	0.004631	0.003629	0.000011	0.000000
31	Mica												0.000007			
32	Other non metallic minerals	0.009908	0.000292	0.048607	0.002514	0.002641	0.000274	0.005737	0.000487	0.000370	0.211246	0.113863	0.127342	0.009360	0.012359	0.000587
33	Sugar		0.000699				0.003291							0.000000	0.000006	
34	Khandsari, boora		0.006770				0.000365									
35	Hydrogenated oil(vanaspati)															
36	Edible oils other than vanaspati	0.000001					0.000134	0.002334	0.000054	0.000536			0.000015			
37	Tea and coffee processing						0.000000		0.000013				0.000015			
38	Miscellaneous food products	0.000504	0.000525				0.000409	0.000564	0.000303	0.003498	0.000216		0.000058		0.000803	
39	Beverages						0.001574	0.000328	0.000117	0.001231						
40	Tobacco products															
41	Khadi, cotton textiles(handlooms)															
42	Cotton textiles		0.001009		0.000002	0.000481	0.002337	0.001653		0.016611			0.000659			
43	Woolen textiles												0.000001			
44	Silk textiles															
45	Art silk, synthetic fiber textiles															
46	Jute, hemp, mesta textiles	0.006202	0.000825	0.005560	0.000731	0.001059	0.000714	0.002782	0.000274	0.003922	0.000739	0.034162	0.004005	0.000292	0.000107	0.000036
47	Carpet weaving															
48	Readymade garments									0.000095			0.000430			
49	Miscellaneous textile products	0.003944	0.002056	0.000375	0.001753	0.003695	0.008473	0.008092	0.004119	0.002004	0.000798	0.013780	0.003114	0.001428	0.005250	0.000886
50	Furniture and fixtures-wooden	0.000000	0.000032	0.000004		0.000063	0.000006	0.000290		0.000041	0.000011		0.000100	0.000001	0.000031	0.000010
51	Wood and wood products	0.001888	0.004549	0.000386	0.001863	0.001476	0.003422	0.001066	0.011960	0.007379	0.002979	0.001867	0.008547	0.001120	0.008209	0.001151
52	Paper, paper prods. & newsprint	0.005016	0.038488	0.000530	0.015527	0.013034	0.037141	0.040151	0.023186	0.029681	0.003263	0.001075	0.000982	0.000512	0.001685	0.000595
53	Printing and publishing	0.000016	0.000350	0.000099	0.000925	0.000368	0.001768	0.001064	0.000000	0.000684	0.000023	0.000001	0.000055	0.000057		0.000052
54	Leather footwear					0.000005										
55	Leather and leather products									0.000128	0.000273					
56	Rubber products	0.001094	0.000445	0.000111	0.000731	0.001143	0.001053	0.001088	0.001205	0.001543	0.000181	0.000393	0.000653	0.000172	0.001204	0.000165
57	Plastic products	0.009555	0.006765	0.012020	0.008227	0.010356	0.011621	0.008767	0.003903	0.003118	0.000141	0.024025	0.002582	0.000059	0.001457	0.000565
58	Petroleum products	0.008117	0.015466	0.003123	0.009705	0.007987	0.004583	0.006897	0.004445	0.003170	0.018061	0.005200	0.040325	0.009238	0.008849	0.007807

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74
59	Coal tar products	0.015075	0.000910	0.000609		0.005467	0.000052	0.000189	0.000074	0.000021	0.018300	0.002200	0.001436	0.038339	0.016448	0.001810
60	Inorganic heavy chemicals	0.127453	0.062293	0.130915	0.083975	0.104110	0.021713	0.111244	0.074782	0.070004	0.011737	0.001361	0.030511	0.001090	0.008954	0.002681
61	Organic heavy chemicals	0.067718	0.167883	0.036962	0.056906	0.153366	0.072975	0.059951	0.104373	0.034568	0.001261	0.002235	0.015068	0.004196	0.008181	0.001216
62	Fertilizers			0.114227	0.022465						0.000001					
63	Pesticides				0.157128					0.000004						
64	Paints, varnishes and lacquers	0.000354	0.000492	0.000054	0.000227	0.055674	0.000130	0.002342	0.016533	0.003795	0.005802	0.000495	0.002205	0.000177	0.001507	0.002655
65	Drugs and medicines	0.000005			0.008296		0.198328	0.000107	0.000675	0.000172			0.000018			
66	Soaps, cosmetics & glycerin	0.000176	0.000376	0.000013	0.008284	0.008374	0.003210	0.053138		0.002315			0.000064			
67	Synthetic fibers, resin	0.000999	0.002877			0.002140	0.000671	0.003280	0.043185	0.002581			0.000647			
68	Other chemicals	0.005643	0.001472	0.038018	0.056589	0.043925	0.028131	0.082170	0.044366	0.051967	0.013555		0.004578	0.000747	0.002511	0.000516
69	Structural clay products					0.000411					0.009998	0.002540	0.000162			
70	Cement					0.001263					0.002445	0.000612	0.021690			
71	Other non-metallic mineral prods.	0.007550	0.001237	0.000642	0.002010	0.001829	0.005421	0.005645	0.000628	0.000379	0.002244	0.000980	0.030581	0.000913	0.003582	0.000598
72	Iron, steel and ferro alloys	0.000525	0.000963			0.001776				0.001010		0.006145	0.002661	0.189893	0.357515	0.447308
73	Iron and steel casting & forging												0.001833	0.000064	0.007053	0.006131
74	Iron and steel foundries	0.002061	0.001556	0.000434	0.000216	0.000216	0.000084		0.000481	0.000296	0.001116	0.000379	0.000955	0.000148	0.001542	0.043714
75	Non-ferrous basic metals	0.021980	0.001263	0.001791	0.001213	0.008012	0.005051	0.000910	0.000914	0.002659	0.001346	0.000393	0.006428	0.012778	0.016028	0.009582
76	Hand tools, hardware	0.001013	0.005007	0.000196	0.001837	0.000365	0.003962	0.007685	0.008649	0.000562	0.002835	0.000485	0.003649	0.000961	0.001927	0.006135
77	Miscellaneous metal products	0.005619	0.007178	0.000156	0.020111	0.003375	0.001094	0.005181	0.005255	0.004195	0.000109	0.000003	0.006091	0.054808	0.002776	0.000696
78	Tractors and agri. implements			0.000004												
79	Industrial machinery(F & T)															
80	Industrial machinery(others)	0.000910	0.001233	0.001649	0.001811	0.000815	0.000515	0.000553	0.000497	0.000466	0.001190	0.000539	0.000480	0.000534	0.001757	0.001117
81	Machine tools	0.002311	0.000778	0.002084	0.000836	0.000795	0.000444	0.000263	0.001940	0.000249	0.000606	0.000689	0.000934	0.000840		0.000302
82	Office computing machines															
83	Other non-electrical machinery	0.003285	0.004737	0.001230	0.001339	0.001150	0.000647	0.000856	0.001229	0.000277	0.002524	0.002879	0.002418	0.000147	0.003922	0.000977
84	Electrical industrial Machinery	0.000399	0.000187	0.000005	0.000008	0.000249	0.000039	0.000556	0.000000	0.000057	0.000030		0.000060			
85	Electrical wires & cables		0.000086	0.000006									0.000006			
86	Batteries		0.000059	0.000002		0.000027									0.000000	
87	Electrical appliances	0.006332	0.003612	0.000644	0.000809	0.000733	0.000729	0.000478	0.000879	0.000359	0.000987	0.001979	0.001916	0.000679		0.000932

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry / Commodity	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74
88	Communication equipments	0.000000		0.000001							0.000046					
89	Other electrical Machinery	0.000047	0.000019	0.000002		0.000035	0.000002		0.000007	0.000029	0.000180	0.000019	0.000083	0.000730	0.000146	0.000029
90	Electronic equipments (incl.TV)	0.000194	0.000074	0.000050		0.000091										
91	Ships and boats															
92	Rail equipments					0.000003										
93	Motor vehicles	0.000056	0.000034	0.000003		0.000046	0.000018	0.000184	0.000006	0.000032			0.000028	0.000006	0.000074	0.000011
94	Motor cycles and scooters	0.000017	0.000010	0.000001		0.000044	0.000002	0.000047		0.000002	0.000006	0.000001	0.000021	0.000000	0.000003	
95	Bicycles, cycle-rickshaw	0.000023	0.000012	0.000001			0.000003	0.000062		0.000003	0.000054			0.000000	0.000004	0.000040
96	Other transport equipments	0.000002	0.000001	0.000000			0.000002	0.000002		0.000002	0.000027			0.000000	0.000002	
97	Watches and clocks												0.000001			
98	Miscellaneous manufacturing	0.001656	0.002283	0.015221	0.000582	0.001546	0.005022	0.004099	0.003071	0.000566	0.000512	0.001061	0.016333	0.000635	0.001835	0.003805
99	Construction	0.003733	0.002106	0.002004	0.001574	0.002321	0.003836	0.001633	0.002342	0.000426	0.003268	0.002517	0.002989	0.001318	0.002028	0.001020
100	Electricity	0.058095	0.101755	0.035160	0.048951	0.057739	0.025521	0.046678	0.043120	0.064658	0.022743	0.077603	0.037338	0.038468	0.076875	0.035676
101	Gas															
102	Water supply	0.001386	0.001648	0.002336	0.000983	0.001248	0.003901	0.000471	0.001868	0.000461	0.000034	0.000339	0.000513	0.000733	0.000419	0.000508
103	Railway transport services	0.019995	0.008818	0.011287	0.003123	0.005164	0.004170	0.003573	0.009404	0.004017	0.033345	0.060024	0.019414	0.046621	0.022754	0.015286
104	Other transport services	0.025854	0.023415	0.034846	0.020612	0.026242	0.043767	0.033189	0.048060	0.028692	0.056732	0.052913	0.042138	0.024169	0.025556	0.022275
105	Storage and warehousing															
106	Communication	0.002736	0.004426	0.001647	0.002207	0.003836	0.003682	0.002756	0.001574	0.003852	0.002261	0.002533	0.003980	0.001001	0.004169	0.005557
107	Trade	0.054420	0.044680	0.064166	0.059466	0.062104	0.078809	0.052194	0.048202	0.073382	0.062100	0.079289	0.048983	0.092706	0.076446	0.076760
108	Hotels and restaurants															
109	Banking	0.036942	0.035468	0.036942	0.035793	0.034964	0.031562	0.036942	0.036942	0.036942	0.036942	0.029408	0.036942	0.036942	0.036942	0.036942
110	Insurance	0.005191	0.006592	0.006672	0.002825	0.003873	0.006094	0.001324	0.010782	0.004146	0.000720	0.004882	0.001861	0.001238	0.002085	0.006967
111	Ownership of dwellings															
112	Education and research															
113	Medical and health															
114	Other services	0.008908	0.003202	0.003379	0.004146	0.004856	0.002778	0.003755	0.014257	0.005497	0.003376	0.003246	0.013469	0.014643	0.005175	0.038714
115	Public administration															
	Total Inputs at Factor Cost	0.589213	0.603838	0.713064	0.648154	0.658472	0.648411	0.623526	0.618791	0.719986	0.628665	0.697466	0.580177	0.680224	0.760711	0.788127
	Net Indirect Tax	0.049821	0.062921	-0.008528	0.036852	0.076875	0.049278	0.071649	0.053056	0.028881	0.024561	0.015252	0.049708	0.046896	0.044702	0.045665
	Total Inputs at Purchaser's Price	0.639034	0.666759	0.704536	0.685006	0.735347	0.697689	0.695176	0.671847	0.748867	0.653226	0.712718	0.629885	0.727120	0.805413	0.833792
	Gross Value Added	0.360966	0.333241	0.295464	0.314994	0.264653	0.302311	0.304824	0.328153	0.251133	0.346774	0.287282	0.370115	0.272880	0.194587	0.166208
	GROSS Value of Output	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
1	Paddy															
2	Wheat											0.000654				
3	Jowar															
4	Bajra															
5	Maize															
6	Gram															
7	Pulses															
8	Sugarcane															
9	Groundnut															
10	Jute															
11	Cotton	0.000000														
12	Tea															
13	Coffee															
14	Rubber															
15	Coconut															
16	Tobacco															
17	Other crops			0.000000												
18	Milk and milk products															
19	Animal services(agricultural)															
20	Other livestock products	0.000001														
21	Forestry and logging		0.000071	0.000308	0.000476	0.000000					0.000153		0.000502	0.000294		
22	Fishing															
23	Coal and lignite	0.017147	0.000932	0.008285	0.003860	0.001394	0.000086	0.000156		0.002076	0.001077	0.000075	0.000784	0.000516		0.000000
24	Crude petroleum, natural gas	0.002239	0.002858	0.001268	0.002892	0.004963	0.004612				0.001755	0.002212	0.008332	0.003172	0.002134	0.006587
25	Iron ore	0.000000	0.002691	0.000786											0.000002	0.000001
26	Manganese ore												0.005349			0.000003
27	Bauxite	0.003967														
28	Copper ore	0.044358														
29	Other metallic minerals	0.056013		0.000579		0.001016	0.000466			0.000000	0.000331		0.004742			

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
30	Lime stone	0.001345			0.000002			0.000000		0.000001						0.000000
31	Mica															
32	Other non metallic minerals	0.014118	0.000268	0.010181	0.000006	0.000119	0.000566	0.000378								0.000011
33	Sugar															
34	Khandsari, boora															
35	Hydrogenated oil(vanaspati)															
36	Edible oils other than vanaspati															
37	Tea and coffee processing															
38	Miscellaneous food products	0.000080	0.000002	0.000002									0.001551			0.000001
39	Beverages															
40	Tobacco products															
41	Khadi, cotton textiles(handlooms)															
42	Cotton textiles	0.003531	0.000826	0.000664	0.000112	0.000989				0.000463		0.000298	0.001200		0.000598	
43	Woolen textiles			0.000103												
44	Silk textiles			0.000323												
45	Art silk, synthetic fiber textiles	0.000191		0.000520												
46	Jute, hemp, mesta textiles	0.000182	0.000575	0.000209	0.000061	0.000318	0.000500	0.000420		0.000217	0.000114	0.000352				
47	Carpet weaving															
48	Readymade garments															
49	Miscellaneous textile products	0.001791	0.006181	0.002834	0.004403	0.005428	0.003094	0.003087	0.035279	0.002989	0.000224	0.002155	0.004489	0.003873	0.002645	0.011060
50	Furniture and fixtures-wooden	0.000019	0.000070	0.000055	0.000087		0.000124			0.000037	0.000048	0.000000		0.000000		0.000002
51	Wood and wood products	0.002068	0.005625	0.001195	0.003176	0.011697	0.009386	0.014115	0.032181	0.010714	0.006409	0.012614	0.013627	0.007346	0.009966	0.047234
52	Paper, paper prods. & newsprint	0.002075	0.003821	0.002183	0.003848	0.004319	0.005407	0.004364	0.004906	0.001321	0.003927	0.006097	0.006201	0.000400	0.008366	0.007992
53	Printing and publishing	0.000028	0.000036	0.000045	0.000030	0.000512	0.000190			0.000293	0.000449			0.000249	0.000353	0.000028
54	Leather footwear															
55	Leather and leather products	0.000095	0.000218	0.000254	0.000256	0.000411	0.000244	0.000269	0.001662	0.000412	0.000172	0.000060	0.001720	0.000282	0.000207	
56	Rubber products	0.000229	0.000819	0.000923	0.023613	0.001804	0.002850	0.001128	0.002556	0.002304	0.000572	0.001405	0.001285	0.001291	0.000759	
57	Plastic products	0.000694	0.001859	0.001405	0.001834	0.001960	0.001618	0.001608	0.053255	0.005281	0.019874	0.034107	0.035878	0.009597	0.014755	0.012169
58	Petroleum products	0.008384	0.014904	0.005547	0.008894	0.011590	0.006984	0.010427	0.004624	0.009144	0.005956	0.008976	0.008101	0.015197	0.006081	0.006370

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
59	Coal tar products	0.013440	0.008866	0.002480	0.003648	0.000267	0.000163	0.002633		0.001069	0.000103		0.000537	0.000037	0.000032	
60	Inorganic heavy chemicals	0.019166	0.003641	0.006233	0.002263	0.004322	0.005579	0.002776	0.001503	0.006654	0.002369	0.002342	0.067750	0.010350	0.008677	0.000527
61	Organic heavy chemicals	0.001462	0.002040	0.001737	0.003072	0.002666	0.002817	0.002370	0.001526	0.005046	0.001368	0.006592	0.025388	0.008282	0.007116	0.000692
62	Fertilizers															
63	Pesticides															
64	Paints, varnishes and lacquers	0.002192	0.001647	0.005430	0.004671	0.002913	0.002055	0.001439	0.001383	0.003650	0.008724	0.001683	0.001480	0.006073	0.001386	0.003633
65	Drugs and medicines															
66	Soaps, cosmetics & glycerin	0.000131		0.000048										0.001179		
67	Synthetic fibers, resin	0.000434	0.001952	0.000641	0.000854	0.001183	0.002485			0.001722	0.001600	0.033114	0.013754	0.003758	0.007427	0.006358
68	Other chemicals	0.013162	0.001735	0.002230	0.002553	0.003690	0.004403	0.002535	0.001302	0.003994	0.014420	0.009164	0.003771	0.004451	0.011075	0.007811
69	Structural clay products			0.000184						0.000025						
70	Cement			0.000071		0.000023					0.000049					
71	Other non-metallic mineral prods.	0.000515	0.000713	0.001197	0.000939	0.001781	0.008342	0.001610	0.000482	0.001744	0.001556	0.000298	0.005616	0.016622	0.011251	0.000417
72	Iron, steel and ferro alloys	0.042914	0.149593	0.244608	0.092071	0.047766	0.210613	0.225014	0.005942	0.180521	0.140602	0.038425	0.019579	0.031316	0.129378	
73	Iron and steel casting & forging	0.002149	0.004533	0.004384	0.043867	0.028271	0.018157	0.069922	0.003277	0.029633	0.028956	0.001569	0.003428	0.058253	0.003050	0.002106
74	Iron and steel foundries	0.000046	0.027298	0.015209	0.005442	0.000195	0.012987	0.003784	0.012146	0.031218	-0.002667	0.003129	0.008503	0.010549	0.002239	0.031008
75	Non-ferrous basic metals	0.203265	0.069159	0.100257	0.014936	0.045488	0.014790	0.013818	0.136832	0.041775	0.099984	0.353415	0.215046	0.099539	0.031213	0.101005
76	Hand tools, hardware	0.006672	0.002735	0.009879	0.003194	0.012471	0.027975	0.010598	0.002874	0.012316	0.005838	0.002512	0.006779	0.003939	0.006839	0.006277
77	Miscellaneous metal products	0.011270	0.008887	0.031172	0.073779	0.001543	0.008985	0.001392	0.001145	0.003744	0.003206	0.000566	0.015710	0.009951	0.006358	0.004174
78	Tractors and agri. implements				0.110696					0.000025						
79	Industrial machinery(F & T)					0.226294		0.000207								
80	Industrial machinery(others)	0.000713	0.000672	0.000542	0.000535	0.000576	0.034566	0.000745	0.000251	0.000250	0.000215	0.000403	0.000332	0.000375	0.000232	
81	Machine tools	0.000499	0.003305	0.000190	0.000142	0.000197	0.000072	0.017381		0.000108	0.000061	0.000199	0.000145	0.000161	0.000102	
82	Office computing machines								0.039158							
83	Other non-electrical machinery	0.002490	0.002381	0.000903	0.045673	0.022244	0.010545	0.015072	0.009409	0.099370	0.006657	0.000891	0.016306	0.013143	0.000687	0.005526
84	Electrical industrial Machinery		0.000495	0.001325	0.000206	0.011495	0.006769	0.003821	0.002073	0.003893	0.031079	0.010385	0.000410	0.017022	0.003665	0.023323
85	Electrical wires & cables			0.000101	0.000090	0.001516				0.001490	0.053736	0.003300		0.002757	0.010120	0.010146
86	Batteries				0.001293						0.000225		0.004260	0.000062		
87	Electrical appliances	0.000949		0.001515	0.001161		0.000706	0.002174	0.000650	0.003927	0.000946	0.000364	0.001035	0.023773	0.014843	0.004685

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
88	Communication equipments							0.000001			0.004378			0.000490	0.097492	0.000001
89	Other electrical Machinery	0.000046	0.000051	0.001269	0.002124	0.000054	0.000074	0.000476	0.002947		0.041718	0.003276	0.000134	0.015219	0.002911	0.087100
90	Electronic equipments (incl.TV)		0.000202	0.000015	0.000137	0.000175	0.000017	0.000461	0.002046	0.000121	0.000399		0.001500	0.001278	0.004201	0.003490
91	Ships and boats															
92	Rail equipments		0.000001			0.000011										
93	Motor vehicles	0.000024	0.000071	0.000082	0.000117	0.000092	0.000149	0.000145		0.000067	0.000044	0.000012				
94	Motor cycles and scooters	0.000003	0.000032	0.000012			0.000006	0.000001	0.000000	0.000005						0.000000
95	Bicycles, cycle-rickshaw	0.000004	0.000043	0.000016			0.000008	0.000001	0.000000	0.000006	0.000017					0.000000
96	Other transport equipments	0.000002	0.000022	0.000632	0.000010	0.000002	0.000004	0.000001	0.000000	0.000003	0.000002					0.000000
97	Watches and clocks															
98	Miscellaneous manufacturing	0.004237	0.002568	0.002725	0.001992	0.003557	0.002103	0.007067	0.032852	0.001868	0.002320	0.008450	0.002844	0.078138	0.012368	0.004579
99	Construction	0.001894	0.001855	0.001463	0.001812	0.003336	0.004278	0.003175	0.001459	0.002801	0.001903	0.001621	0.003139	0.001493	0.001745	0.004247
100	Electricity	0.081045	0.026735	0.032484	0.048036	0.040624	0.042650	0.020707	0.012659	0.035794	0.034886	0.036022	0.021884	0.030639	0.021580	0.023029
101	Gas															
102	Water supply	0.000492	0.000261	0.000316	0.000174	0.000239	0.001215	0.000385	0.000477	0.000347	0.000576	0.000221	0.000541	0.000458	0.000177	0.000460
103	Railway transport services	0.013077	0.007690	0.011921	0.005080	0.003455	0.015674	0.007305	0.002294	0.006602	0.005292	0.002107	0.003617	0.004297	0.004449	0.005962
104	Other transport services	0.024215	0.014354	0.019493	0.024214	0.022363	0.035355	0.016954	0.018681	0.018375	0.015638	0.014655	0.020506	0.022062	0.027353	0.020603
105	Storage and warehousing															
106	Communication	0.007507	0.002623	0.004662	0.004600	0.006265	0.014293	0.003787	0.046396	0.006098	0.006482	0.003297	0.005694	0.003269	0.021420	0.003819
107	Trade	0.050775	0.043012	0.058431	0.049417	0.059931	0.052348	0.053506	0.054647	0.052016	0.057570	0.046111	0.053032	0.053644	0.061021	0.039475
108	Hotels and restaurants															
109	Banking	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.035939	0.036942
110	Insurance	0.004370	0.001967	0.004634	0.004068	0.004794	0.020192	0.007028	0.023249	0.009377	0.026709	0.006475	0.004834	0.003685	0.006167	0.003509
111	Ownership of dwellings															
112	Education and research															
113	Medical and health															0.000019
114	Other services	0.001359	0.068243	0.032996	0.049684	0.047566	0.094692	0.052539	0.037177	0.030177	0.044092	0.007989	0.012346	0.025398	0.002545	0.066793
115	Public administration															
	Total Inputs at Factor Cost	0.706018	0.538079	0.676098	0.693041	0.690831	0.728137	0.623724	0.626242	0.668023	0.719060	0.703881	0.671255	0.640821	0.600924	0.599174
	Net Indirect Tax	0.053354	0.044606	0.051428	0.072084	0.084247	0.069140	0.063823	0.160752	0.059077	0.072401	0.073541	0.071770	0.084920	0.049245	0.065286
	Total Inputs at Purchaser's Price	0.759372	0.582685	0.727526	0.765125	0.775078	0.797278	0.687547	0.786993	0.727100	0.791461	0.777421	0.743025	0.725741	0.650170	0.664460
	Gross Value Added	0.240628	0.417315	0.272474	0.234875	0.224922	0.202722	0.312453	0.213007	0.272900	0.208539	0.222579	0.256975	0.274259	0.349830	0.335540
	GROSS Value of Output	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000



**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
1	Paddy									0.000000						0.000008
2	Wheat									0.000000						0.000365
3	Jowar															
4	Bajra															
5	Maize															
6	Gram															0.000896
7	Pulses									0.000000						0.000580
8	Sugarcane									0.000000						
9	Groundnut															
10	Jute						0.000001			0.000057						
11	Cotton															
12	Tea															
13	Coffee															
14	Rubber				0.000044					0.000044						
15	Coconut															
16	Tobacco															0.000000
17	Other crops										0.016944	0.000004		0.000048		0.005026
18	Milk and milk products															
19	Animal services(agricultural)															
20	Other livestock products									0.005986	0.000581	0.000000	0.127807	0.000001		0.000000
21	Forestry and logging				0.000083			0.006469		0.001119	0.003154			0.000000	0.000005	
22	Fishing									0.005151		0.000000				0.000000
23	Coal and lignite		0.000005	0.004300	0.000973	0.000084	0.000206	0.000089	0.000020	0.000307		0.108916		0.000000	0.001370	
24	Crude petroleum, natural gas									0.004857		0.000003		0.000038		0.000000
25	Iron ore									0.000000						
26	Manganese ore															
27	Bauxite															
28	Copper ore									0.000000						
29	Other metallic minerals	0.002320						0.000231		0.000162						

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
30	Lime stone										0.000532					
31	Mica															
32	Other non metallic minerals	0.001176			0.000002					0.008774	0.053819		0.001239			
33	Sugar															
34	Khandsari, boora															
35	Hydrogenated oil(vanaspati)															0.000002
36	Edible oils other than vanaspati									0.000000						0.000018
37	Tea and coffee processing															0.000002
38	Miscellaneous food products				0.000001					0.000006						0.000026
39	Beverages															0.000004
40	Tobacco products									0.000001						0.000000
41	Khadi, cotton textiles(handlooms)															
42	Cotton textiles	0.002739	0.000246		0.000006		0.000007	0.001198		0.000206						0.000094 0.000508
43	Woolen textiles									0.000044						0.000086
44	Silk textiles						0.000070			0.000095						
45	Art silk, synthetic fiber textiles					0.000003	0.000001			0.000213						
46	Jute, hemp, mesta textiles		0.000004	0.000131		0.000222	0.000786	0.000289		0.001044	0.001686				0.000004	0.000005
47	Carpet weaving									0.000000						0.000000
48	Readymade garments		0.000070							0.001041	0.000019	0.000085		0.000055	0.000004	0.000024
49	Miscellaneous textile products	0.007504	0.003264	0.000988	0.001038	0.003021	0.004856	0.008432	0.006795	0.003435	0.000018	0.000000		0.000001	0.000009	0.000921
50	Furniture and fixtures-wooden	0.000884								0.004429	0.000842	0.000269		0.000166	0.000019	0.000025
51	Wood and wood products	0.011340	0.013710	0.017297	0.004335	0.002903	0.007442	0.018756	0.001860	0.007901	0.030551	0.000103		0.000000	0.000800	0.000439
52	Paper, paper prods. & newsprint	0.009335	0.005057	0.000754	0.002821	0.004337	0.006014	0.005578	0.008054	0.005963	0.000149	0.001647		0.000889	0.000453	0.004451
53	Printing and publishing	0.001256	0.000000		0.000282			0.000043	0.000002	0.000757	0.000406	0.001951		0.001196	0.000861	0.003002
54	Leather footwear									0.000017		0.000008				0.000106
55	Leather and leather products	0.000804	0.000655	0.000045	0.000286	0.000151	0.000719	0.000237	0.001951	0.000638						0.000000
56	Rubber products	0.001718	0.000362	0.000880	0.032542	0.027465	0.025372	0.017868	0.001303	0.001730	0.000075	0.000125		0.000138	0.000005	0.033126
57	Plastic products	0.042892		0.003698	0.002039	0.000718	0.009957	0.004356	0.001268	0.011407		0.000000		0.000000	0.000005	0.004757
58	Petroleum products	0.006019	0.002551	0.004967	0.009844	0.008322	0.016771	0.012006	0.012736	0.003469	0.004008	0.017728	0.000819	0.001373	0.018488	0.120600

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
59	Coal tar products	0.000118	0.000192	0.001174	0.001895	0.000955	0.001683	0.000006	0.000616	0.023350					0.003009	
60	Inorganic heavy chemicals	0.006501	0.028129	0.015231	0.001585	0.004147	0.012853	0.005594	0.006377	0.002887		0.000004		0.000734		0.000007
61	Organic heavy chemicals	0.003253	0.000429	0.003752	0.003126	0.002436	0.002788	0.002219	0.005385	0.026904		0.000003		0.000708		0.000000
62	Fertilizers									0.000119	0.000199			0.001046		
63	Pesticides										0.000007				0.000000	0.000001
64	Paints, varnishes and lacquers	0.002369	0.086501	0.008313	0.007090	0.010216	0.006592	0.001336	0.001623	0.003156	0.018218	0.000000	0.005243			0.002017
65	Drugs and medicines	0.000000								0.000006		0.000002			0.000001	0.000043
66	Soaps, cosmetics & glycerin	0.001068								0.000047						
67	Synthetic fibers, resin	0.004450	0.001665	0.006965	0.004922	0.007503	0.004827	0.003204		0.002713						0.000019
68	Other chemicals	0.006923	0.002601	0.003001	0.009690	0.002239	0.004068	0.002003	0.002670	0.017422		0.002193		0.001445	0.000041	0.000475
69	Structural clay products				0.000029					0.000058	0.023217					
70	Cement				0.000023					0.000419	0.056981		0.003467			
71	Other non-metallic mineral prods.	0.001435	0.000619	0.001256	0.003087	0.001006	0.001416	0.002216	0.001601	0.001069	0.009376	0.000001	0.000060		0.000057	0.000880
72	Iron, steel and ferro alloys	0.096496	0.106591	0.248388	0.101888	0.038290	0.072795	0.122253	0.095038	0.085427						
73	Iron and steel casting & forging	0.005801	0.001031	0.004390	0.038092	0.009052	0.008719	0.019916	0.009651	0.010814		0.000000				
74	Iron and steel foundries	0.002231	0.010733	0.025195	0.002367	0.000544	0.021071	0.014365	0.012053	0.000216	0.066383			0.001755	0.000044	0.000015
75	Non-ferrous basic metals	0.041770	0.003257	0.021398	0.023660	0.047041	0.082779	0.023088	0.096143	0.322593						0.000005
76	Hand tools, hardware	0.005328	0.002220	0.010560	0.030206	0.020730	0.011488	0.005786	0.001495	0.002945		0.000013		0.000043	0.000041	0.004905
77	Miscellaneous metal products	0.014220	0.003821	0.005727	0.015611	0.016030	0.003115	0.005065	0.001836	0.001675	0.013617	0.000223		0.000814	0.000051	0.000113
78	Tractors and agri. implements															
79	Industrial machinery(F & T)															
80	Industrial machinery(others)	0.000478	0.000057	0.000067	0.000228	0.000526	0.001471	0.000401	0.001552	0.000074						
81	Machine tools	0.000201	0.000032	0.000031	0.000255	0.000313	0.000694	0.000229	0.002012	0.000229	0.000000	0.000005			0.000285	
82	Office computing machines	0.000002								0.000284	0.000002	0.000055		0.000007	0.000003	0.000003
83	Other non-electrical machinery	0.001017	0.004054	0.004898	0.017490	0.013575	0.005647	0.006320	0.003626	0.000801	0.000838	0.012544		0.002130	0.000993	0.009197
84	Electrical industrial Machinery	0.018787	0.000000	0.005383	0.002902	0.000738	0.000114		0.000053	0.000141		0.011393		0.000412	0.000697	
85	Electrical wires & cables	0.025821		0.001992	0.000032				0.000001	0.000042	0.009407	0.015691			0.000024	0.005589
86	Batteries	0.000302		0.000699	0.001132				0.000170	0.000068	0.000016	0.000041		0.000028	0.000003	0.001749
87	Electrical appliances	0.004347	0.000222	0.010141	0.006627	0.009605	0.002448	0.001304	0.003195	0.000138	0.000034	0.000151		0.000097		0.000209

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
88	Communication equipments	0.022131	0.000001		0.000018				0.000001	0.001416					0.001381	0.000047
89	Other electrical Machinery	0.137273	0.001587	0.000012	0.001626	0.002148	0.007400	0.000106	0.006061	0.001015		0.003889		0.000076	0.000488	0.000009
90	Electronic equipments (incl.TV)	0.038516		0.003865	0.000063	0.000183		0.000618	0.014822	0.000523	0.000007	0.000140		0.000370	0.000069	0.000067
91	Ships and boats		0.047422													0.000730
92	Rail equipments			0.061968	0.000523					0.000000	0.000000				0.106908	
93	Motor vehicles			0.000008	0.071963	0.005225		0.000360		0.000429	0.000223	0.000756		0.000504	0.000051	0.013006
94	Motor cycles and scooters		0.000000			0.120056			0.000001	0.000003	0.000001	0.000105		0.000002	0.000000	0.000000
95	Bicycles, cycle-rickshaw		0.000001			0.000158	0.151358	0.000016	0.000001	0.001211	0.000011	0.000048		0.000031	0.000002	0.000003
96	Other transport equipments		0.000000			0.000002		0.049920	0.000000	0.000000		0.000000		0.000000		0.001719
97	Watches and clocks								0.088386	0.000000						0.000001
98	Miscellaneous manufacturing	0.005337	0.000819	0.001868	0.010469	0.028472	0.012157	0.015767	0.003379	0.007751	0.001778	0.005706		0.001454	0.000463	0.006768
99	Construction	0.002487	0.001226	0.001837	0.002242	0.002375	0.001159	0.002112	0.001739	0.001761	0.005291	0.005724		0.191194	0.055210	0.011741
100	Electricity	0.033476	0.017603	0.044856	0.059492	0.055165	0.037599	0.048395	0.058631	0.027053	0.015889	0.261246		0.049604	0.178891	0.062918
101	Gas											0.007368				0.000000
102	Water supply	0.001067	0.000363	0.001380	0.003765	0.000420	0.000125	0.000378	0.000219	0.000450	0.001360	0.001114		0.032448	0.000035	0.001147
103	Railway transport services	0.006458	0.003346	0.010691	0.006702	0.002901	0.003826	0.005087	0.003609	0.004059	0.012344	0.043015	0.000561	0.003219	0.002524	0.005779
104	Other transport services	0.021465	0.010648	0.019254	0.020335	0.017269	0.028435	0.020152	0.037719	0.016436	0.045057	0.031811	0.018260	0.005085	0.004627	0.032465
105	Storage and warehousing															0.000011
106	Communication	0.033595	0.001605	0.000817	0.001454	0.011844	0.002135	0.002998	0.003028	0.010622	0.006842	0.006961		0.012797	0.004153	0.014932
107	Trade	0.063244	0.050819	0.059348	0.048707	0.066643	0.066580	0.052575	0.046406	0.049998	0.055366	0.047219	0.014335	0.001837	0.007639	0.035804
108	Hotels and restaurants			0.001001							0.000102	0.001923		0.002001	0.001820	0.021651
109	Banking	0.036167	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.036942	0.020577	0.025849	0.030926	0.009507		0.066906	0.014820
110	Insurance	0.011925	0.002603	0.000237	0.008308	0.020372	0.043650	0.002500	0.006686	0.002099	0.008066	0.003821		0.000462	0.009816	0.009164
111	Ownership of dwellings															
112	Education and research														0.002059	
113	Medical and health														0.010175	
114	Other services	0.006665	0.292546	0.004247	0.079333	0.067063	0.015111	0.018539	0.039321	0.010238	0.017730	0.019543		0.050175	0.034414	0.086314
115	Public administration															
	Total Inputs at Factor Cost	0.750716	0.745417	0.658968	0.677453	0.670352	0.722747	0.548767	0.625431	0.705357	0.530346	0.644474	0.181300	0.364385	0.514997	0.519298
	Net Indirect Tax	0.086285	0.054548	0.040275	0.095817	0.092761	0.053202	0.101321	0.054204	0.071863	0.044743	0.018990	0.002123	0.007116	0.017431	0.083684
	Total Inputs at Purchaser's Price	0.837001	0.799965	0.699243	0.773270	0.763113	0.775949	0.650087	0.679635	0.777219	0.575089	0.663464	0.183423	0.371501	0.532428	0.602982
	Gross Value Added	0.162999	0.200035	0.300757	0.226730	0.236887	0.224051	0.349913	0.320365	0.222781	0.424911	0.336536	0.816577	0.628499	0.467572	0.397018
	GROSS Value of Output	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry Commodity	105	106	107	108	109	110	111	112	113	114	115
1	Paddy				0.046464				0.000351	0.000571	0.000009	
2	Wheat				0.024106	0.000000			0.000389	0.000633	0.000010	
3	Jowar											
4	Bajra											
5	Maize											
6	Gram				0.009873							
7	Pulses				0.005566				0.000106	0.000172	0.000003	
8	Sugarcane											
9	Groundnut											
10	Jute											
11	Cotton			0.000003								
12	Tea											
13	Coffee											
14	Rubber											
15	Coconut											
16	Tobacco											
17	Other crops				0.174008				0.002006	0.000591	0.001739	
18	Milk and milk products				0.031337				0.001435	0.001766	0.000007	
19	Animal services(agricultural)											
20	Other livestock products				0.015022				0.000025	0.001328	0.000968	
21	Forestry and logging				0.005525							
22	Fishing				0.003334							
23	Coal and lignite				0.002831						0.000233	
24	Crude petroleum, natural gas											
25	Iron ore											
26	Manganese ore											
27	Bauxite											
28	Copper ore											
29	Other metallic minerals											

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	105	106	107	108	109	110	111	112	113	114	115
30	Lime stone											
31	Mica											
32	Other non metallic minerals											
33	Sugar				0.006828							
34	Khandsari, boora											
35	Hydrogenated oil(vanaspati)				0.003704							
36	Edible oils other than vanaspati				0.022426							
37	Tea and coffee processing				0.021636							
38	Miscellaneous food products	0.000074			0.070069							
39	Beverages				0.021067		0.000524					
40	Tobacco products				0.000008							
41	Khadi, cotton textiles(handlooms)											
42	Cotton textiles			0.000322							0.001187	
43	Woolen textiles											
44	Silk textiles											
45	Art silk, synthetic fiber textiles						0.000801					
46	Jute, hemp, mesta textiles	0.005531		0.000405								
47	Carpet weaving			0.000000	0.000053	0.000000	0.000000		0.000000	0.000000		
48	Readymade garments	0.000289	0.000092	0.000003	0.001648	0.000077	0.000368		0.000190	0.000308	0.000004	
49	Miscellaneous textile products	0.003166			0.000000				0.000262	0.000426	0.001381	
50	Furniture and fixtures-wooden	0.000097	0.000275	0.000515	0.002093	0.000307	0.001103		0.002823	0.002779	0.007790	
51	Wood and wood products	0.013541		0.002181		0.000137						
52	Paper, paper prods. & newsprint	0.010524	0.000873	0.002379	0.000442	0.003060	0.011921		0.000410	0.000666	0.008896	
53	Printing and publishing	0.000920	0.002716	0.000519	0.000041	0.004338	0.021322		0.004476	0.002387	0.004620	
54	Leather footwear			0.000000		0.000000	0.000000		0.000000	0.000000		
55	Leather and leather products											
56	Rubber products	0.000067	0.000468	0.000015	0.000011	0.000151	0.001383		0.000036	0.000059	0.000018	
57	Plastic products	0.004664		0.000280		0.000000	0.000000		0.000000	0.000000		
58	Petroleum products	0.006002	0.002649	0.009281	0.006262	0.000991	0.010084		0.001407	0.001219	0.000943	

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry	105	106	107	108	109	110	111	112	113	114	115
59	Coal tar products											
60	Inorganic heavy chemicals	0.001793		0.000230					0.000094	0.000152		
61	Organic heavy chemicals								0.002141	0.001892		
62	Fertilizers											
63	Pesticides	0.002460		0.000000	0.000000	0.000000	0.000000		0.000000	0.000000		
64	Paints, varnishes and lacquers	0.000030										
65	Drugs and medicines								0.002351	0.199396	0.000723	
66	Soaps, cosmetics & glycerin				0.000744							
67	Synthetic fibers, resin											
68	Other chemicals	0.000500		0.000000	0.000000					0.012233	0.003612	
69	Structural clay products	0.000254										
70	Cement	0.000289										
71	Other non-metallic mineral prods.	0.000000		0.000000	0.000686	0.000000	0.000001		0.000000	0.000000	0.000632	
72	Iron, steel and ferro alloys											0.000002
73	Iron and steel casting & forging											
74	Iron and steel foundries	0.001504		0.000118								
75	Non-ferrous basic metals											
76	Hand tools, hardware			0.006775	0.000000							0.000476
77	Miscellaneous metal products	0.001333	0.000406	0.000287	0.000027	0.000830	0.000912		0.000252	0.000409	0.003996	
78	Tractors and agri. implements											
79	Industrial machinery(F & T)											
80	Industrial machinery(others)											
81	Machine tools			0.000290								
82	Office computing machines	0.000450	0.000012	0.000144	0.000000	0.000015	0.000751		0.000009	0.000015	0.002463	
83	Other non-electrical machinery	0.013819	0.000598	0.000026	0.001574	0.000319	0.001520		0.000185	0.000300	0.000078	
84	Electrical industrial Machinery					0.000036						
85	Electrical wires & cables		0.001446									
86	Batteries	0.000014	0.000060	0.000011	0.000001	0.000057	0.000285		0.000007	0.000012	0.000004	
87	Electrical appliances	0.000057	0.000163	0.000006	0.001485	0.000137	0.000652		0.000061	0.000099	0.003435	

**MATRIX - 3: INPUT OUTPUT COEFFICIENT MATRIX (COMMODITY x INDUSTRY)-1998-99**  
**Absorption Matrix-98-99**

Sec. Code	Industry Commodity	105	106	107	108	109	110	111	112	113	114	115
88	Communication equipments		0.030031	0.000000		0.000000	0.000000		0.000000	0.000000	0.007618	
89	Other electrical Machinery			0.000000							0.000126	
90	Electronic equipments (incl. TV)	0.000134	0.000056	0.000009	0.000000	0.000177	0.001975		0.000002	0.000003	0.000280	
91	Ships and boats				0.000004							
92	Rail equipments											
93	Motor vehicles	0.000274	0.000944	0.000108	0.000014	0.000327	0.004140		0.000232	0.000376	0.000050	
94	Motor cycles and scooters	0.000001	0.000004	0.000000	0.000000	0.000500	0.000015		0.000001	0.000002	0.000000	
95	Bicycles, cycle-rickshaw	0.000018	0.000052	0.000002	0.000000	0.000694	0.000209		0.000019	0.000032	0.000002	
96	Other transport equipments			0.000000		0.000000	0.000000		0.000000	0.000000		
97	Watches and clocks					0.000000	0.000000		0.000000	0.000000		
98	Miscellaneous manufacturing	0.006550	0.000396	0.006969	0.001970	0.003342	0.007334		0.002733	0.002020	0.129098	
99	Construction	0.014512	0.021668	0.002072	0.009639	0.013070	0.004657	0.068693	0.009398	0.004212	0.017271	
100	Electricity	0.142585	0.018913	0.009869	0.022298	0.012741	0.026364		0.000756	0.002809	0.012290	
101	Gas	0.000010			0.005486							
102	Water supply	0.000684	0.000050	0.000002	0.000844	0.000128	0.000203		0.000022	0.000036	0.000002	
103	Railway transport services	0.005181	0.003600	0.001939	0.002109	0.001386	0.003740		0.002795	0.002130	0.003480	
104	Other transport services	0.018698	0.004877	0.033109	0.033025	0.005574	0.015382		0.019294	0.021469	0.011444	
105	Storage and warehousing	0.001608		0.007639								
106	Communication	0.015287	0.006730	0.004247	0.003229	0.021567	0.045336		0.002766	0.003000	0.004699	
107	Trade	0.010202	0.006636	0.004131	0.074911	0.001886	0.007710		0.002893	0.052844	0.024997	
108	Hotels and restaurants	0.003268	0.002289	0.000555	0.000177	0.010483	0.016791		0.013257	0.005705	0.002572	
109	Banking	0.014869	0.002536	0.035864	0.000367	0.050274	0.049901		0.019879	0.006778	0.035597	
110	Insurance	0.017143	0.000285	0.002449	0.000693	0.006190	0.002197				0.000239	
111	Ownership of dwellings											
112	Education and research								0.004120	0.000050		
113	Medical and health		0.000364									
114	Other services	0.072190	0.026115	0.038652	0.020450	0.067112	0.045040		0.026103	0.338120	0.039642	
115	Public administration											
	Total Inputs at Factor Cost	0.390593	0.135304	0.171406	0.654090	0.205905	0.282621	0.068693	0.123285	0.666999	0.332636	
	Net Indirect Tax	0.017520	0.007696	0.010433	0.016893	0.007942	0.019685	0.000196	0.004158	0.035547	0.032860	
	Total Inputs at Purchaser's Price	0.408113	0.143000	0.181839	0.670983	0.213848	0.302306	0.068889	0.127443	0.702546	0.365496	
	Gross Value Added	0.591887	0.857000	0.818161	0.329017	0.786152	0.697694	0.931111	0.872557	0.297454	0.634504	1.000000
	GROSS Value of Output	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000