

Appendix

Table IV.1

Matrix showing Age Profile of Buildings and Civil Works, at Purchase Prices (Rs. lakhs), in

Electricity Utility in India: 1947-48 to 1970-71

year	1947-1948	1948-1949	1949-1950	1950-1951	1951-1952*	1952-1953	1953-1954	1954-1955	1955-1956	1956-1957	1957-1958	1958-1959	1959-1960	1960-1961	1961-1962
1947-48	2545	2545	2545	2545	2515	2515	2515	2515	2515	2515	2515	2515	2515	2515	2515
1948-49		68	68	68	68	68	68	68	68	68	68	68	68	68	68
1949-50			273	273	273	273	273	273	273	273	273	273	273	273	273
1950-51			368	368	368	368	368	368	368	368	368	368	368	368	368
1951-52				0	0	0	0	0	0	0	0	0	0	0	0
1952-53					385	385	385	385	385	385	385	385	385	385	385
1953-54						265	265	265	265	265	265	265	265	265	265
1954-55						261	261	261	261	261	261	261	261	261	261
1955-56							821	821	821	821	821	821	821	821	821
1956-57								2643	2643	2643	2643	2643	2643	2643	2643
1957-58									343	343	343	343	343	343	343
1958-59										1229	1229	1229	1229	1229	1229
1959-60										764	764	764	764	764	764
1960-61											544	544	544	544	544
1961-62															3704
Total	2545	2613	2886	3254	3224	3609	3874	4135	4956	7599	7942	9171	9935	10479	14183

* See text.

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Appendix
Table IV.1 (concluded)

Year	1962- 1963	1963- 1964	1964*- 1965	1965- 1966	1966- 1967	1967- 1968	1968- 1969	1969- 1970	1970- 1971
1947-48	2515	2515	0	0	0	0	0	0	0
1948-49	68	68	0	0	0	0	0	0	0
1949-50	273	273	0	0	0	0	0	0	0
1950-51	368	368	117	117	117	117	0	0	0
1951-52	0	0	0	0	0	0	0	0	0
1952-53	385	385	385	385	385	385	0	0	0
1953-54	265	265	265	265	265	265	0	0	0
1954-55	261	261	261	261	261	261	0	0	0
1955-56	821	821	821	821	821	821	176	176	176
1956-57	2643	2643	2643	2643	2643	2643	2643	2643	2643
1957-58	343	343	343	343	343	343	343	343	343
1958-59	1229	1229	1229	1229	1229	1229	1229	1229	1229
1959-60	764	764	764	764	764	764	764	764	764
1960-61	544	544	544	544	544	544	544	544	544
1961-62	3704	3704	3704	3704	3704	3704	3704	3704	3704
1962-63	1481	1481	1481	1481	1481	1481	1481	1481	1481
1963-64		435	435	435	435	435	435	435	435
1964-65			0	0	0	0	0	0	0
1965-66				3252	3252	3252	3252	3252	3252
1966-67					6078	6078	6078	6078	6078
1967-68						1922	1922	1922	1922
1968-69							0	0	0
1969-70								428	428
1970-71									1919
Total	15664	16099	12992	16244	22322	24244	22571	22999	24918

* See text.

Note: The life of Buildings and Civil Works is assumed to be 40 years.

Appendix

Table IV.2

Matrix showing Age Profile of Plants and Machinery, at Purchase Prices (Rs.lakhs), in Electricity

Utility in India, 1947-48 to 1970-71

Year	1947- 1948	1948- 1949	1949- 1950	1950- 1951	1951- 1952	1952- 1953	1953- 1954	1954- 1955	1955- 1956	1956- 1957	1957- 1958	1958- 1959	1959- 1960	1960- 1961	1961- 1962
1947-48	8463	8463	8463	8463	8463	8463	8463	8463	8463	8463	8463	8463	8463	8463	8463
1948-49		227	227	227	227	227	227	227	227	227	227	227	227	227	227
1949-50			908	908	908	908	908	908	908	908	908	908	908	908	908
1950-51			1225	1225	1225	1225	1225	1225	1225	1225	1225	1225	1225	1225	1225
1951-52				2241	2241	2241	2241	2241	2241	2241	2241	2241	2241	2241	2241
1952-53				2066	2066	2066	2066	2066	2066	2066	2066	2066	2066	2066	2066
1953-54					2658	2658	2658	2658	2658	2658	2658	2658	2658	2658	2658
1954-55						4152	4152	4152	4152	4152	4152	4152	4152	4152	4152
1955-56							4806	4806	4806	4806	4806	4806	4806	4806	4806
1956-57								16024	16024	16024	16024	16024	16024	16024	16024
1957-58									3688	3688	3688	3688	3688	3688	3688
1958-59										8289	8289	8289	8289	8289	8289
1959-60											4949	4949	4949	4949	4949
1960-61												3930	3930	3930	3930
1961-62														12198	12198
Total	8463	8690	9598	10823	13064	15130	17788	21940	26746	42770	46458	54747	59696	63626	75824

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Appendix
Table IV.2 (concluded)

Year	1962- 1963-	1963- 1964-	1964- 1965-	1965- 1966-	1966- 1967-	1967- 1968-	1968- 1969	1969- 1970	1970- 1971
1947-48	8463	8463	8463	8463	8463	8463	8463	8463	8463
1948-49	227	227	227	227	227	227	227	227	227
1949-50	908	908	908	908	908	908	908	908	908
1950-51	1225	1225	1225	1225	1225	1225	1225	1225	1225
1951-52	2241	2241	2241	2241	2241	2241	2241	2241	2241
1952-53	2066	2066	2066	2066	2066	2066	2066	2066	2066
1953-54	2658	2658	2658	2658	2658	2658	2658	2658	2658
1954-55	4152	4152	4152	4152	4152	4152	4152	4152	4152
1955-56	4806	4806	4806	4806	4806	4806	4806	4806	4806
1956-57	16024	16024	16024	16024	16024	16024	16024	16024	16024
1957-58	3688	3688	3688	3688	3688	3688	3688	3688	3688
1958-59	8289	8289	8289	8289	8289	8289	8289	8289	8289
1959-60	4949	4949	4949	4949	4949	4949	4949	4949	4949
1960-61	3930	3930	3930	3930	3930	3930	3930	3930	3930
1961-62	12198	12198	12198	12198	12198	12198	12198	12198	12198
1962-63	8854	8854	8854	8854	8854	8854	8854	8854	8854
1963-64		12326	12326	12326	12326	12326	12326	12326	12326
1964-65			14257	14257	14257	14257	14257	14257	14257
1965-66				33764	33764	33764	33764	33764	33764
1966-67					31394	31394	31394	31394	31394
1967-68						24443	24443	24443	24443
1968-69							36375	36375	36375
1969-70								21531	21531
1970-71									28478
Total	84678	97004	111261	176419	237237	258768	287246		
			145025	200862					

Note : The life of Machinery and Equipment is assumed
to be 25 years.

Appendix

Table IV.3

Matrix showing Age Profile of Buildings and Civil Works in Electricity Utility at current prices
(Rs. lakhs)

1947-48 to 1970-71

Year	Price Index	1947-48	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60	1960-61
		(68.0)	(102.8)	(103.8)	(100.3)	(100.0)	(101.0)	(101.5)	(101.6)	(103.5)	(108.9)	(114.6)	(119.4)	(118.9)	(125.0)
1947-48	(68.0)	2545	3818	3885	3754	3699	3736	3754	3758	3828	4028	4239	4416	4398	4623
1948-49	(102.0)		1068	1087	1050	1047	1058	1063	1064	1084	1140	1200	1250	1245	1309
1949-50	(103.8)			273	264	263	266	267	267	272	286	301	314	312	329
1950-51	(100.3)				368	367	371	372	373	380	400	420	438	436	459
1951-52	(100.0)					0	0	0	0	0	0	0	0	0	0
1952-53	(101.0)					385	387	387	387	395	415	437	455	453	476
1953-54	(101.5)						265	265	265	270	284	299	312	310	326
1954-55	(101.6)							261	261	266	280	294	307	305	321
1955-56	(103.5)									821	864	909	947	943	992
1956-57	(108.9)										2643	2781	2898	2886	3034
1957-58	(114.6)											343	357	356	374
1958-59	(119.4)												1229	1224	1287
1959-60	(118.9)													764	803
1960-61	(125.0)														544
Total		2545	4886	5245	5436	5376	5816	6108	6375	7316	10340	11223	12923	13632	14877

Note: 1. Derived on the basis of Appendix Table IV.1 by applying the construction cost index in Dholakia B.H., Sources of Economic Growth in India, op.cit., p.196.

2. Figures in the brackets denote Price Index applied. For 1947-48 price index of manufactures, given in M. Mukerjee, National Income of India: Trends and Structure, Calcutta, Statistical Publishing Society, 1969, (p.94), is applied.

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Appendix

Table IV.3 (concluded)

Year	Price Index	1961-1962	1962-1963	1963-1964	1964-1965	1965-1966	1966-1967	1967-1968	1968-1969	1969-1970	1970-1971
		(131.4)	(134.9)	(138.3)	(145.1)	(156.5)	(166.4)	(178.0)	(184.3)	(190.8)	(197.4)
1947-48	(68.0)	4860	4989	5115	0	0	0	0	0	0	0
1948-49	(102.0)	1378	1412	1448	677	730	776	831	0	0	0
1949-50	(103.8)	346	355	364	382	412	438	468	0	0	0
1950-51	(100.3)	482	495	507	532	574	611	653	0	0	0
1951-52	(100.0)	0	0	0	0	0	0	0	0	0	0
1952-53	(101.0)	501	514	527	553	597	634	679	0	0	0
1953-54	(101.5)	343	352	361	379	409	434	465	171	177	183
1954-55	(101.6)	338	347	355	373	402	427	457	473	490	507
1955-56	(103.5)	1042	1070	1097	1151	1241	1320	1412	1462	1513	1566
1956-57	(108.9)	3189	3274	3357	3522	3798	4039	4320	4473	4631	4791
1957-58	(114.6)	393	404	414	434	468	498	533	552	571	591
1958-59	(119.4)	1353	1389	1424	1494	1611	1713	1832	1897	1964	2032
1959-60	(118.9)	844	867	889	932	1006	1069	1144	1184	1226	1268
1960-61	(125.0)	572	587	602	631	681	724	775	802	830	859
1961-62	(131.4)	3704	3803	3899	4090	4412	4691	5018	5195	5378	5564
1962-63	(134.9)		1481	1518	1593	1718	1827	1954	2023	2095	2167
1963-64	(138.3)			435	456	492	523	560	580	600	621
1964-65	(145.1)				0	0	0	0	0	0	0
1965-66	(156.5)					3252	3458	3699	3830	3965	4102
1966-67	(166.4)						6078	6502	6732	6969	7210
1967-68	(178.0)							1922	1990	2060	2131
1968-69	(184.3)								0	0	0
1969-70	(190.8)								0	428	443
1970-71	(197.4)										1919
Total		19345	21339	22312	17199	21803	29260	33224	31364	32897	35954

Appendix
Table IV.4

Matrix showing Age Profile of Plants and Machinery, in Electricity Utility, at Current Prices

		(Rs. lakhs)															
		1947-48 to 1970-71															
Year	Price Index	1947-48	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60	1960-61		
		(68)	(82.2)	(87)	(87.2)	(100)	(107.3)	(105.1)	(104)	(104.5)	(106)	(109)	(111)	(114)	(120)		
1947-48	(68.0)	8463	10230	10828	10853	12446	13354	13080	12943	13006	13217	13591	13877	14200	14935		
1948-49	(82.2)		227	240	241	276	296	290	287	289	293	302	308	315	331		
1949-50	(87.0)			908	910	1044	1120	1097	1085	1091	1108	1140	1164	1191	1252		
1950-51	(87.2)				1225	1405	1507	1476	1461	1468	1492	1534	1566	1603	1686		
1951-52	(100.0)					2241	2405	2355	2331	2342	2380	2447	2499	2557	2689		
1952-53	(107.3)						2066	2024	2002	2012	2045	2103	2147	2197	2311		
1953-54	(105.1)							2658	2630	2643	2686	2762	2820	2886	3035		
1954-55	(104.0)								4152	4172	4240	4360	4451	4555	4791		
1955-56	(104.5)									4806	4884	5022	5128	5248	5519		
1956-57	(106.2)										16024	16477	16824	17216	18106		
1957-58	(109.2)											3688	3766	3853	4053		
1958-59	(111.5)												8289	8482	8921		
1959-60	(114.1)													4949	5205		
1960-61	(120.0)														3930		
Total		8463	10457	11976	13229	17412	20748	22980	26891	31829	48369	53426	62839	69252	76764		

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- Note: 1. Derived on the basis of appendix Table IV.2 by applying price index of machinery and equipment given in Dholakia B.H., Sources of Economic Growth in India, op.cit., p.196.
2. Figures in the brackets show price indices applied. For 1947-48 price index of manufactures, given in M.Mukerjee, National Income of India: Trends and Structure, op.cit., (p.94), is applied.

Appendix

Table IV.4 (concluded)

Year	Price Index	1961-1962	1962-1963	1963-1964	1964-1965	1965-1966	1966-1967	1967-1968	1968-1969	1969-1970	1970-1971
		(122.6)	(126.5)	(133.1)	(137.3)	(145.7)	(160.6)	(166.1)	(169.0)	(172.5)	(175.5)
1947-48	(68.0)	15258	15744	16565	17088	18133	19988	20672	21033	21469	21842
1948-49	(82.2)	339	349	368	379	402	444	459	467	476	485
1949-50	(87.0)	1280	1320	1389	1433	1521	1676	1734	1764	1800	1832
1950-51	(87.2)	1722	1777	1870	1929	2047	2256	2333	2374	2423	2465
1951-52	(100.0)	2747	2835	2983	3077	3265	3599	3722	3787	3866	3933
1952-53	(107.3)	2361	2436	2563	2644	2805	3092	3198	3254	3321	3379
1953-54	(105.1)	3101	3199	3366	3472	3685	4062	4201	4274	4363	4438
1954-55	(104.0)	4895	5050	5314	5481	5817	6412	6631	6747	6887	7007
1955-56	(104.5)	5638	5818	6121	6314	6701	7386	7639	7772	7933	8071
1956-57	(106.2)	18499	19087	20083	20717	21984	24232	25062	25500	26028	26480
1957-58	(109.2)	4140	4272	4495	4637	4921	5424	5610	5708	5826	5927
1958-59	(111.5)	9114	9404	9895	10207	10831	11939	12348	12564	12824	13047
1959-60	(114.1)	5318	5487	5773	5955	6320	6966	7204	7330	7482	7612
1960-61	(120.0)	4015	4143	4359	4497	4772	5260	5440	5535	5649	5748
1961-62	(122.6)	12198	12586	13243	13661	14496	15979	16526	16815	17163	17461
1962-63	(126.5)		8854	9316	9610	10198	11241	11626	11829	12074	12284
1963-64	(133.1)			12326	12715	13493	14873	15382	15651	15975	16253
1964-65	(137.3)				14257	15129	16676	17248	17549	17912	18224
1965-66	(145.7)					33764	37217	38491	39163	39975	40670
1966-67	(160.6)						31394	32469	33036	33720	34307
1967-68	(166.1)							24443	24870	25385	25826
1968-69	(169.0)								36375	37128	37774
1969-70	(172.5)									21531	21905
1970-71	(175.5)										28478
Total		90625	102361	120029	138073	180284	230116	262438	303390	331210	365448