

	Historical							Forecast				
	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92	92-93	93-94
	(Rs. million)											
5. Interest capitalised	-	-	-	-	-	-	-	-	-	-	-	-
6. Debt service** interest	-	-	-	-	-	-	-	0.0484	0.0474	0.0463	0.0451	0.0438
7. Debt service principal**	-	-	-	-	-	-	-	0.0118	0.0128	0.0139	0.0151	0.0164
Total Application	-	-	-	1.0450	0.7649	0.0675	0.0455	0.0614	0.0618	0.0630	0.0625	0.0615
III. Cash Surplus(Deficit) for the year	-	-	-	-	-	0.0386	0.0580	0.0024	0.0072	0.0150	0.0244	0.0292
IV. Cash Surplus(Deficit) at the beginning of the year	-	-	-	-	-	-	0.0386	0.0966	0.0990	0.1062	0.1212	0.1456

	Historical								Forecast			
	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92	92-93	93-94
	(Rs. million)											
V. Cash Surplus(Deficit) at the end of the year	-	-	-	-	-	0.0386	0.0966	0.0990	0.1862	0.1212	0.1456	0.1748

## APPENDIX 17.7

### INTEREST ADDED TO THE CAPITAL DURING MORATORIUM PERIOD

	Interest(Rs. in million)			
	1985-86	1986-87	1987-88	1988-89
I. Loan amount received in 1985-86(Rs. 0.2585 million)	86	87	88	89
II. Loan amount received in 1986-87(Rs. 0.1835 million)	-	0.0080	0.0161	0.0176
III. Loan amount received in 1987-88(Rs. million)	-	-	-	-
IV. Loan amount received in 1988-89(Rs. - million)	-	-	-	-
Total	0.0110	0.0309	0.0410	0.0445
	0.1274			

\* Interest at 8.5 percent for six months is calculated for the year of receipt of loan.

## APPENDIX 17.8

### CALCULATION OF ANNUITY

(Rs. Million)

Loan amount received in 1985-86	0.2585
Loan amount received in 1986-87	0.1835
Loan amount received in 1987-88	-
Loan amount received in 1988-89	-

Interest due (added to the capital) during the moratorium period viz.

1985-86 to 1988-89 0.1274

Total 0.5694

Capital Recovery Factor at 8.5% for 20 years = 0.1057

Annuity = 0.5694 x 0.1057

= 0.0602

### CALCULATION OF PRINCIPAL & INTEREST IN ANNUITY

Year	Annuity	Interest	Principal/Annuity interest)	Loan outstanding
(Rs. in million)				
1989-90	0.0602	0.0484	0.0118	0.5576
1990-91	0.0602	0.0474	0.0128	0.5448
1991-92	0.0602	0.0463	0.0139	0.5309
1992-93	0.0602	0.0451	0.0151	0.5158
1993-94	0.0602	0.0438	0.0164	0.4994

APPENDIX 17.9

PROJECT BALANCE SHEET (WATER SUPPLY & SANITATION) AS ON 31<sup>ST</sup> MARCH

	Historical						Forecast					
	1983 (82-83)	1984 (83-84)	1985 (84-85)	1986 (85-86)	1987 (86-87)	1988 (87-88)	1989 (88-89)	1990 (89-90)	1991 (90-91)	1992 (91-92)	1993 (92-93)	1994 (93-94)
	(Rs. million)											
Assets												
I. Current assets												
i. Cash	-	-	-	-	-	0.0386	0.0966	0.0990	0.1062	0.1212	0.1456	0.1748
ii. Accounts receivable	-	-	-	-	-	0.0265	0.0275	0.0287	0.0303	0.0331	0.0354	0.0367
iii. Inventories (including chemicals, pipes, spare parts)	-	-	-	-	-	-	-	-	-	-	-	-

		Historical						Forecast					
		1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
		(82-83)	(83-84)	(84-85)	(85-86)	(86-87)	(87-88)	(88-89)	(89-90)	(90-91)	(91-92)	(92-93)	(93-94)
		(Rs. million)											
etc.)													
Total	current assets	-	-	-	-	-	0.0651	0.1241	0.1277	0.1365	0.1543	0.1810	0.2115
II. Fixed assets													
A. Water supply													
i.	Gross fixed assets in operation	-	-	-	1.0450	1.8099	1.8509	1.8502	1.8039	1.7565	1.7091	1.6617	1.6143
ii.	Depreciation	-	-	-	-	-	0.0452	0.0463	0.0474	0.0474	0.0474	0.0474	0.0474
iii.	Net fixed assets in operation	-	-	-	1.0450	1.8099	1.8057	1.8039	1.7565	1.7091	1.6617	1.6143	1.5669

	Historical						Forecast					
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
	(82-83)	(83-84)	(84-85)	(85-86)	(86-87)	(87-88)	(88-89)	(89-90)	(90-91)	(91-92)	(92-93)	(93-94)
	(Rs. million)											
B. Sewerage/ sanitation												
i. Gross fixed assets in operati- on	-	-	-	-	-	-	-	-	-	-	-	-
ii. Depreci- ation	-	-	-	-	-	-	-	-	-	-	-	-
iii. Net fixed assets in operati- on	-	-	-	-	-	-	-	-	-	-	-	-
Total fixed assets	-	-	-	1.0450	1.8099	1.8057	1.8039	1.7565	1.7091	1.6617	1.6143	1.5669

	Historical						Forecast					
	1983 (82-83)	1984 (83-84)	1985 (84-85)	1986 (85-86)	1987 (86-87)	1988 (87-88)	1989 (88-89)	1990 (89-90)	1991 (90-91)	1992 (91-92)	1993 (92-93)	1994 (93-94)
	(Rs. million)											
III. Expenditure to be written off:	-	-	-	-	-	-	-	0.0074	0.0335	0.0497	0.0555	0.0563
Total Assets (I+II+III)	-	-	-	1.0450	1.8099	1.8708	1.9280	1.8916	1.8791	1.8657	1.8508	1.8347

APPENDIX 17.9 (CONTD.)

PROJECT BALANCE SHEET (WATER SUPPLY & SANITATION) AS ON 31<sup>ST</sup> MARCH

	Historical						Forecast					
	1983 (82-83)	1984 (83-84)	1985 (84-85)	1986 (85-86)	1987 (86-87)	1988 (87-88)	1989 (88-89)	1990 (89-90)	1991 (90-91)	1992 (91-92)	1993 (92-93)	1994 (93-94)
	(Rs. million)											
Liabilities												
I. Current Liabilities												
i) Account payable	-	-	-	-	-	0.0076	0.0079	0.0080	0.0083	0.0088	0.0090	0.0093
II. Equity												
A. Water supply scheme												
i) Grant-in-aid	-	-	-	0.7755	1.3260	1.3260	1.3260	1.3260	1.3260	1.3260	1.3260	1.3260
ii) Surplus	-	-	-	-	-	0.0123	0.0247	-	-	-	-	-
B. Sewerage/ Sanitation Scheme												

	Historical							Forecast				
	1983 (82-83)	1984 (83-84)	1985 (84-85)	1986 (85-86)	1987 (86-87)	1988 (87-88)	1989 (88-89)	1990 (89-90)	1991 (90-91)	1992 (91-92)	1993 (92-93)	1994 (93-94)
	(Rs. million)											
i). Local body contribution (for capital expenditure)	-	-	-	-	-	-	-	-	-	-	-	-
ii) Retained earnings or surplus	-	-	-	-	-	-	-	-	-	-	-	-
Total equity	-	-	-	-	-	-	-	-	-	-	-	-
III. Long Term Loan												
A. Water Supply Scheme	-	-	-	0.2585	0.4420	0.4420	0.4420	0.4420	0.4302	0.4174	0.4035	0.3889
B. Sewerage/ Sanitation Scheme	-	-	-	-	-	-	-	-	-	-	-	-
C. Interest added to the Capital	-	-	-	0.0110	0.0419	0.0829	0.1274	0.1274	0.1274	0.1274	0.1274	0.1274

	Historical							Forecast				
	1983 (82-83)	1984 (83-84)	1985 (84-85)	1986 (85-86)	1987 (86-87)	1988 (87-88)	1989 (88-89)	1990 (89-90)	1991 (90-91)	1992 (91-92)	1993 (92-93)	1994 (93-94)
	(Rs. million)											
D. Current maturities	-	-	-	-	-	-	-	0.110	0.0128	0.0139	0.0151	0.0164
Total long term Loan(A+B+C-D)	-	-	-	0.2695	0.4833	0.5249	0.5694	0.5576	0.5440	0.5309	0.5158	0.4994
Total liabilities	-	-	-	1.6450	1.8099	1.8708	1.9280	1.8916	1.8791	1.8657	1.8508	1.8347

\* Interest accrued during the year added to the fixed assets.

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