# APPENDIX 15.5 SPECIMEN FORM FOR SHORT BACTERIOLOGICAL EXAMINATION OF WATER

	ne and Address ne Laboratory:										
Nan	ne and Address ender	Sender's No.	Date of Collection								
			Date and	l time of							
			receipt a	t laborato	fy	4	. y 1				
		Laboratory Ref. No.	Date and	l time of							
		"	commen	icing of ex	kaminati	on					
			* 9 7 1 9 7 1 3 3 4 4		1						
			1. Raw	water							
			2. Filter	ed water							
			3. Chio	rinated W	ater						
			4. Distr	ibution sy	stem.						
ANASYMBO POBBBOOK		saatuunneen ja	kalalanak perjenti NN 4000 (NN 4000) 2004 (2004) 2004 (2004) 2004	nacadoxiotococcessos comprehensis productivamente	n a saint a sa	J. EGITE, V. J. J. F. G. F. J. J. S. F. G. F. J. S. F. G. F.	manada Sarryo, b, bargai ay qaqa—maha hamanani masilin baba 3988				
Tim	ne of collection o			1993 Seast	3	4					
	Bacteriological	Expressed as									
4	Plate count	Colonies/ml									
	a) 20° C										
	b) 35° C										
2	Coliform Organisms	MPN/100ml									
Ren	narks:										
Dai	te:					Officer-in	n-charge				

In addition, common glassware and accessories like beaker, conical flask, burette, pipette, volumetric flask etc. will be required.

#### APPENDIX 15.8

# EQUIPMENT NEEDED FOR BACTERIOLOGICAL EXAMINATION

1. Hot Air Oven

Upto 200°C

- 2. Autoclave Or Pressure Cooker
- 3. Incubator 37°C or 44°C (Water/Air-Jacketed)
- 4. pH Meter
- 5. Pipette Box (Stainless Steel)
- 6. Wooden Racks/Aluminium Racks
- 7. Wire Baskets
- 8. Cotton/Aluminium Foils
- 9. Brown paper
- 10. Twine
- 11. Burners (Bunsen) With Pilot Lamp
- 12. Suction Flask (1 Litre Cap)
- 13. Suction Pump
- 14. Sampling Bottles (Reagent Bottles Of 250 ml. Capacity)

#### BACTERIOLOGICAL MEDIA

- 1. M. Endo Broth (dehydrated)
- 2. Lactose or Lauryl Tryptose broth
- 3. Mac Conkey broth
- 4. Brilliant Green Bile Lactose Broth
- 5. Total Plate Count Agar
- 6. Peptone/Triyptone Water

APPENDIX 15.9
TEST TO BE DONE BY WATER WORKS LABORATORIES

SI. No.	Name of Test		y of wate: aboratory	
		The state of the s	II	III
1	Turbidity		V	V
2	Colour	1	$\checkmark$	$\checkmark$
3	Odour	1	$\checkmark$	$\checkmark$
4	Conductivity	$\sqrt{}$	$\checkmark$	$\checkmark$
5	Alkalinity	***	1	$\checkmark$
6	Residual Chlorine	1	1	1
7	pH	1	1	$\sqrt{}$
8	Iron	1	$\sqrt{}$	$\sqrt{}$
9	Chloride	1	1	$\sqrt{}$
10	Hardness	1	1	X
11	Total solids	1	X	X
12	*Volatile solids	1	X	X
13	*Suspended solids	√	X	X
14	*Free and saline ammonia	$\checkmark$	X	X
15	Albuminiod nitrogen	1	X	X
16	Nitrites(qualitative)	√	$\checkmark$	√
1 7	Nitrates	1	X	X
18	*Fluorides	1	<b>√</b>	√.
19	Metals other than iron	√	√	1
20	Jar test for determining alum dose	$\checkmark$	<b>√</b>	X
21	Chlorine demand	<b>√</b>	V	V
*77	Complete mineral analysis	J	X	X
23	Total count in nutrient agar	√	X	X
24	Presumptive coliforms	$\checkmark$	1	√.
25	Confirmed test , BGB	1	$\checkmark$	√
*26	Completed test	1	X	X
*27	Research into media, etc	$\checkmark$	X	X
28	Microscopy	V	X	X

APPENDIX 17.1

AVERAGE INCREMENT COST PER 1000 LITERS

Year	Quantity Of water Sold	Discounted Value (at 8.5%)	Capital Cost	O & M Cost	Total Cost	Discounte d Value (at 8.5%)
	у такова в т	( ki	d )	TO THE A CONTROL OF THE STATE O	(.Rs.million)	
1985-86	·w	\$N/	1.0050	ess.	1.0050	0.9063
86-87	144	***	0.6770	ster	0.6770	0.5761
87-88	396	310	**	0.0679	0.0679	0.6532
88-89	411	297	wy.	0.0683	0.0683	0.0493
89-90	423	231	MI	0.0674	0.0674	0.0448
90-91	435	267	AN	0.0677	0.0677	0.0415
91-92	470	266	<b></b>	0.0686	0.0686	0.4386
92-93	474	247	***	0.0687	0.0687	0.0353
93-94	479	230	wa	0.0689	0.0689	0.0331
94-95	484	214	Myr	0.0690	0.0690	0.0365
95-96	491	200	**	0.0692	0.0692	0.0232
1996-97	2485	784	0.1669(A)	0.3475	0.5144	0.1723
to 2000-01	$(497 \times 5)$			$(0.0695 \times 5)$		
2001-02	<b>2</b> 780	594		0.3560	0.3560	0.0751
to 2005-06	$(556 \times 5)$			(0.0712 x 5)		
2006-07	3080	438	***	0.3655	0.3655	0.0519
to 2010-11	$(616 \times 5)$			(0.0731 x 5)		
2011-12	656	72	865	0.0741	0.0741	0.0962
2013-14	656	67	Ada	0.0741	0.0741	0.0076
2013-14	656	67	VW.	0.0741	0.0741	0.0070
2014-15	25230	762	2.7520(B)	2.3940	4.5660	0.3122
to 2043-44	(841 x 30)		ν. ε	(0.0798 x 30)		CO TO SEE SEE SEE SEE SEE SEE SEE SEE SEE SE
To	tal	5111		-	eraka da hanga — paganaran waka da ja janggangan sa kada hanga hada naga naga ya akababa	2.6919

<sup>\*</sup>excludes price contingencies and land cost.

<sup>(</sup>A) Cost of replacement of pumpsets and chlorinator in the year 1996-97

<sup>(</sup>B) Project cost at 31st year

Average Incremental Cost per 1000 liters = Rs. 24,91,911 / (5111 x 365)= Rs. 1.34

APPENDIX 17.2

NET PRESENT WORTH AND BENEFIT COST RATIO OF THE PROJECT AT DISCOUNT RATE 8.5% AND INTERNAL RATE OF RETURN

Sl No	Xear	Capital cost * + O & M	Discount	ed Value	Revenue	Discounted Value		
* * **		Cost	at 8.5%	at 2%	•	at 8.5%	at 2%	
and the second section of the	uriyan dayini da dan dan dan dan dan dan dan dan dan	(		Rs. m	ilion	9 y * 4 1k H + H A 9 9 1 5 4		
1	1985-86	0.9490	0.8747	0.9304		Abbarrech (Andréise de la Andréise de l'Angréige an Aigheannach a seachtaíd de Andréise	AMARIA TATA AYAR AYAR AYAR AYAR AYAR AYAR AYA	
2	86 -87	0.6370	0.5411	0.6123	ANT	на	*AM	
3	87-88	0.0679	0.0532	0.0640	0.1176	0.0921	0.1100	
4.	88-89	0.0683	0.0493	0.0631	0.1220	0.0880	0.1127	
5	89-90	0.0674	0.0448	0.0610	0.1259	0.0837	0.1140	
6.	90-91	0.0677	0.0415	0.0601	0.1289	0.0790.	0.1145	
7.	91-92	0.0686	0.0388	0.0597	0.1409	0.0796	0.1227	
8.	92-93	0.0687	0.0358	0.0586	0.1418	0.0738	0.1210	
9.	93-94	0.0689	0.0331	0.0577	0.1430	0.0686	0.1197	
10.	94-95	0.0690	0.0305	0.0566	0.1444	0.0639	0.1185	
11.	95-96	0.0692	0.0282	0.0557	0.1467	0.0590	0.1180	
12.	1996-97	0.4893	0.1629	0.3753	0.7421	0.2340	0.5627	
16	to 2000- 01	(0.0695*5+0.	1418(A)					
17.	2001-02	0.3560	0.0761	0.2445	0.8316	0.1777	0.5711	
21.	to 2005- 06	(0.0712*5)						
22.	2006-07	0.3655	0.0519	0.2273	0.9255	0.1315	0.5757	
26.	to 2010- 11	(0.0731*5)						
27.	2011-12	0.0741	0.0082	0.0434	0.1949	0.0215	0.1142	
28.	2012-13	0.0741	0.0076	0.0426	0.1950	0.0199	0.1120	
29.	2013-14	0.0741	0.0070	0.0417	0.1951	0.0183	0.1099	
	Total	vie.	2.0847	3.0540	~	1.2914	3.0975	

- \* excludes price contingencies, land cost and taxes and duties.
- (A)Cost of replacement of pumpsets and chlorinator in the year 1996-97

Benefit Cost Ratio = 0.62

Net Present worth (Rs. million) = (-) 0.7933

Internal rate of Return (%) =  $(2 \times (8.5 - 2.0) \times 0.0435)/(0.0435 + 0.7933)$ = 2.34%

#### APPENDIX 17.3

#### ASSUMPTIONS FOR FINANCIAL FORECASTS

#### A. INCOME AND EXPENDITURE STATEMENT (APPENDIX 17.4)

- 1. The number of anticipated house service connections after 1987-88 have been estimated on the basis of new houses constructed in the area during the last three years.
- 2. Fees for service connections are not taken into account.
- 3. Revenue includes water tax of 25% of house tax. Income under sanitation is also included in the Revenue.
- 4. The house tax is based on the annual rental value of the houses which are normally revised every five years under the present administrative procedure. In respect of this town, the last revision was made in the year 1975-76. An increase of 25% over the previous year's demand has been assumed once in five years for the future period beginning from the revision made in 1983-84. It is also assumed that there will be 1% increase in the house tax due to new houses every year and that 25% house tax will be made over to the water supply account as water tax. The demand of house tax for the last year available viz., 1981-82 was Rs, 21,497.
- 5. The tariff for water is assumed to be Rs. 12.60 per month per connection for domestic consumption from the year 1987-88 and Rs. 1.90 and Rs. 2.85 per 1,000 liters for Commercial & Industrial purposes respectively. The domestic tariff is also assumed to be increased by 10% once in 5 years and commercial and industrial tariffs are assumed to increase by 10% once in three years.
- 6. Water supplied through public fountains are charged at 25% of the domestic water tariff.
- 7. The revenue collected by the local body under "Sanitation" is assumed to increase by 1% per annum on the basis of new houses expected to be constructed every year.
- 8. Operation and maintenance expenditure also includes establishment charges and other expenses, if any, under Sanitation.
- 9. Establishment charges relating to water supply and sanitation are assumed to increase by 3% annually.
- 10. Costs of power and chemicals are calculated in proportion to the volume of water produced. The tariff for power is assumed to increase by 10% once in three years. The cost of chemicals is assumed to increase by 7.5% annually in 1984-85 and by 7% annually in 1985-86 and by 6% annually from 1986-87 onwards.
- 11. Repairs and renewal charges are calculated as 0.5% of total project cost and assumed to be increased by 6% annually.

- 12. Administrative charges are calculated as 2% of the total establishment charges, power, chemicals and repairs and renewals for the first two years.
- 13. Depreciation is calculated as 2.5% of the total project cost (including interest).
- 14. Other charges are calculated as 1% of the total establishment charges, power, chemicals, and repairs and renewals.

#### (B) SOURCES AND APPLICATION OF FUND STATEMENTS (APPENDIX 17.6)

- 1. Increase in account payable is the difference of the amount in the two consecutive years as shown in the projected balance sheet.
- 2. The loan period is assumed to be 24 years inclusive of moratorium period of 4 years during which interest is to be paid but capital repayment is deferred.
- 3. It is assumed that the government will have to pay 75% of total sub project cost as grant.
- 4. Compound interest at 8.5% per annum during the moratorium period viz., 1985-86, 1986-87,1987-88 and 1988-89 is calculated for the loan and added to it. The interest thus calculated every year is added to fixed assets and shown in balance sheet.
- 5. The first loan is received during the year 1985-86 and 6 months' interest is calculated for this year.
- 6. Repayment of annuity at 8.5% (Rs. 0.0602 million every year ) begins in 1989-1990. The capital recovery factor for 20 years at 8.5% is 0.1057.
- 7. Increase in accounts is receivable in the difference of amount in two consecutive years as given in the projected balance sheet.

### (C) BALANCE SHEET (APPENDIX 17.9)

- 1. No provision is made for the bed debts.
- 2. 20 percent of the sales revenue is shown as accounts receivables every year.
- 3. No figures are assumed for inventories.
- 4. 10 percent of operating and maintenance expenditure is shown as accounts payables every year.
- 5. Approximate values are given to old assets under the sectors.

APPENDIX 17.4

INCOME AND EXPENDITURE STATEMENT OF WATER SUPPLY AND SEWERAGE/SANITATION PROJECT

	(C)	HISTOR	ICAL				FORE	CAST		
	1982-83		84-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92
wer and a second	and the state of t	agg		and the state of t		495	514	529	544	588
. Water produced (kld)						20%	411	423	435	470
Water sold (kld)	rute.		-	***	**	396	-V. I.	" <del>*</del>	8 No. 2 Mar	
3. Revenue (Rs. million)										ヘスノアで
A. Water Supply	<del>-</del>		·		~	0.1326	0.1375	0.1437	0.1513	0.1033
B. Sanitation	-ut-	ann.	<u>-</u>	ev.			<i></i>	-	e :	***
Total Revenue (A+B)		-	-		en e	0.1326	0.1375	0.1437	0.1513	0.1655
4. Operating Expenses	; }									
(Rs. million)										
A. Water Supply										ye, ma quan pendig gi
i. Estt. Charges	***	**	-		~	0.0510	0.0625	0.0541	0.0557	0.0574

deministrativa ministrativa (des de discovende de manuello de manuello de des de des de des de la composição d	oca estarovaneeseeveree eerosaaree eesaan	HISTOR	ICAL	eriede ( tens eriede ( person les tens eriede ( person les ence	retulation are expeditive sof successful property and	maannikaanseen paras (* 1 maanasee aansee) * 1 maa	FORE	CAST	e ann ann an Aireann ann an Aireann ann ann ann ann ann ann ann ann ann	vel, samener residence i samenereden en erene en
	1982-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	\$0-9**	91-92
ii. Power	4-	**		-		0.0116	0.0131	0.0135	0.0130	0.0168
iii. Chemicals		~	-	J.,	<i></i>		0.0012	0.0013	0.0013	0.0014
iv. Repair and Renewals			<i>m</i>	-	eter	0.0088	0.0093	0.0099	0.0105	0.0111
v. Royalty charges	as <sub>ter</sub>	nden.	•••	- mare	****	0.0004	0.0004	0.0004	0.0004	0.0004
vi. Other (specify)	· · · ·	egu:	***	office.	use.	0.0007	0.0008	0.0008	0.0006	0.000
vii. Administrative Expenses	-	**	**			5	0.00	v.,	***	
Sub Total (A)	**	we	ψ×	~	667	0.0751	0.0782	0.0800	0.0826	0.0860
B. Sewerage/Sanitation	My	w,				***		ean	188	wer .
i. Estt. charges		,	**	**		-	-	AVE	ma	v
ii. Power	us.	-	4.	afe	va.	wA	***		m	

	нтовин 2000 год 20 де 40 m на 20 м грубуну (д. 12 м 14 до додини по обро, на оставителни поставителни по оставителни поставителни по оставителни поставителни поставите	HISTORICAL				944-546 - 144-546 - 144-546 - 144-646 - 144-646 - 144-646 - 144-646 - 144-646 - 144-646 - 144-646 - 144-646 -	FORE	CAST	ementy with section contract of the contract o	aminatan kanan
	1982-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92
iii. Chemicals	annia e e e e e e e e e e e e e e e e e e e	#3»	Arti	PPP collected and American security and the second sec	->		WP			ere er
iv. Administrative expenses		-	<u>.</u>	***	-		Au	w.	-	••
v. Others(specify)	**	***	te.	**	e da	Vos	w.	, and		~
Sub Total (B)	-	***	**	·-		A.r	***	•**	-	N.A.
Total Operating										
Expenses (A+B)	***		~	-)	***	0.0751	0.0788	0.0800	0.0826	0.0880
5. Income before										
Depreciation and interest	Waz		_		***	0.0575	0.0587	0.0637	0.0687	0.0775
(Rs. million)										

		HISTORICAL					FORECAST			
	1982-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92
6. Depreciation (Rs.	-		-	ger	nasta di mada di dinangan kanangan menungan menungan menungan menungan menungan menungan menungan menungan men Men	0.0452	0.0463	0.0474	0.0474	0.0474
7. Income before interest							and the second			
(Rs. million)	~	units.	ú.	₩.	-	0.0123	0.0124	0.0163	0.0213	0.0301
8. Interest (Rs. million)	~	-			<del>~</del>	····	···	0.0434	0.0474	0.0463
9. Income after interest	-	-	<i></i>	···	~	0.0123	0.0124	0.0321	0.0261	0.0162
(Rs. million)										
10. Operating Ratio**	~	~	~*	<i>''</i>	w	0.57	0.57	0.89	0.86	0.81

<sup>\*\*</sup>Operating Ratio = Total O & M Cost and Interest/ Total Revenue

APPENDIX 17.4(Contd.)

	na amiglio calcialine e pipi del della e displate e pimi anti Calcialina della Calcialina della Calcialina del	saan oo oo laan oo daa oo daaa		FORECAS	A CONTRACTOR CONTRACTO	kada on como co ekazione en directe en de l'inicia en l'inicia en l'inicia en l'inicia en l'inicia en l'inicia	maaatan voor maan eeroopia eleksisteeleksisteeleksisteeleksistä <mark>maja aasta ja kasta keesteeleksisteeleksisteele</mark>	algelisede angleset entere de l'antique des la subsession de la companya de l'antique de l'antique de l'antique	nagh dur ingeren o consumitation de sport for de plane and annual annual de second	and the second s
	92-93	93-94	94-95	95-96	96-97 to 2000-01	01-02 to 05-06	06-07 to 10-11	11-12	12-13	13-14
1. Water produced (kld)	593	599	605	614	621	695		820	820	820
2. Water sold (kld)	474	479	484	491	497	556	615	656	656	656
3. Revenue (Rs. million)										
A. Water supply	0.1772	0.1836	0.1876	0.1908	1.0619	1.3410	1.6937	0.3809	0.4027	0.4030
B. Sanitation	we	<del></del>	-w-		<i></i>			-	<del>-</del> .	-
Total Revenue(A+B)	0.1772	0.1836	0.1876	0.1908	1.0619	1.3410	1.6937	0.3809	0.4027	0.4030
4. Operating Expenses(Rs. m	illion)								÷	
A. Water Supply										
i. Estt. Charge	0.0591	0.0609	0.0627	0.0646	0.3533	0.4097	0.4748	0.1037	0.1068	0.1100
ii. Power	0.0168	0.0170	0.0189	0.0191	0.1060	0.1380	0.1823	0.0413	0.0453	0.0453
iii. Chemicals	0.0015	0.0016	0.0017	0.0018	0.0134	0.0178	0.0286	0.0068	0.0072	0.0076
iv. Repairs & Renewals	0.0118	0.0125	0.0132	0.0140	0.0839	0.1122	0.1500	0.0356	0.0378	0.0401
v. Royalty charges	0.0004	0.0004	0.0004	0.0004	0.0025	0.0025	0.0030	0.0006	0.0006	0.0006
vi. Others (specify)	0.0009	0.0009	0.0010	0.0010	0.0055	0.0069	0.0084	0.0019	0.0020	0.0020

	****			FORECA	SI	The area of the assessment and the College Col		n farille (1964) a coming in a coming and a coming a coming and a coming a coming and a coming a coming and a coming a coming a coming a coming and a coming and a coming a com	ranne ett er stat kommunikarisett kommunikariset ett ett en stat ett ett en stat ett en stat ett ett ett ett e	**************************************
	92-93	93-94	94-95	95-96	96-97 to 2000-01	01-02 to 05-06	06-07 to 10-11	11-12	12-13	13-14
vii. Administrative expenses	A Control of Control o		_	ng ( ) a sha sha ka sha sha sha sha sha sha sha sha sha sh	and a man and a good of a man and appropriate of and demand a supergraph	A11	en vy a nemer po pod dobo na mene na napoje po pod pod pod pod pod pod pod pod pod	, way	W.	
Sub total (A)	0.0905	0.0932	0.0979	0.1009	0.5646	0.6871	0.8471	0.1899	0.1997	0.2056
B. Sewerage / Sanitation										
i. Estt. charge	Şer.		÷							
ii. Power		**		<i></i>	1,911					
iii Chemicals	une.	_	***	y	o <sub>m</sub>	····		#\$**	<b>~</b>	etra
iv. Administrative expenses	ww	¢=-	. mar		****	w.			~	···
v. Others (specify)	æ	en.	***	[av	N are	-	_			
vi. Sub Total (B)	•••	**		Nec		~		<i>⊶</i>	-	****
Total Operating	0.0905	0.0932	0.0979	0.1009	0.5646	0.6371	0.8471	A soan	0.4007	0.0000
Expenses (A+B)					~ ~ ~ · · · · · · · · · · · · · · · · ·	V.V./13	V-0"7/1	0.1849	0.1997	0.2056
5. Income before depreciation and interest(Rs. Million)	0.0867	0.0904	0.0897	0.0899	0.4973	0.6539	0.8466	0.1910	0.2030	0.1974

annicounti-teri	and the second s	o Illiminov I IA menena na St. Inging. wak 11 n. i m. i.n. i m. ingininga hay she	iin oon 19 ii iyaan dhiindadada dhaada iida oo dhaada Yeela iida Ga	Ja Tagliggilgannagler pobenilar, a gan et allebe "Mille labe en Fila	FORECA	SIT	glandydgaeth gyfur tradeithionn agus 15 februar o y rei feligiidd y Chrufugenainegaeth	uilleinne hendes Andre Marie en de Paris (de Paris III) en 1997 (de la discreta	y anticione de Landantina e et 1º 30 million e et 20 de partir de et 20 de partir de 100 de 20 e 20 million de	(Const. N. 1987) in a se	
		92-93	93-94	94-95	95-96	96-97 to 2000-01	01-02 to 05-06	06-07 to 10-11	11-12	12-13	13-14
б.	Depreciation (Rs.million)	0.0474	0.0474	0.0474	0.0474	0.2370	0.2370	() 257()	0.0474	0.0474	0.0474
7.	Income before interest(Rs.million)	0.0393	0.0430	0.0423	0.0425	0.2603	0.4169	0.6096	0.1436	0.1556	0.1500
8.	Interest (Rs. million)	0.0451	0.0438	0.0424	0.0409	0.1771	0.1148	0.0284	, ese		_
9.	Income after interest(Rs. Million)	0.0058	0.0008	0.0001	0.0016	0.0832	0.3021	0.5812	0.1436	0.1556	0.1500
*()	). Operating Ratio**	0.77	0.75		0.74	0.70	0.60	0.52	0.50		0.51

<sup>\*\*</sup> Operating Ratio = Total O &M Cost and Interest / Total Revenue

## APPENDIX 17.5

# Funding Pattern

	Description	İst year	II year	Total
		(1985-86)	(1986-87)	antara kandada a Amerika da Andria Andria Andria Antara Andria Andria Andria Andria Andria Andria Andria Andria
			(Rs. in million)	
**************************************	Loan Component	0.2585	0.1835	0.4420
2	Grant in aid from GTN	0.7755	0.5505	1.3260
	Total	1.0340	0.7340	1.7680

APPENDEIX 17.6
PROJECT SOURCES AND APPLICATION OF FUNDS (CASH FLOW) STATEMENT

14111111111111111111111111111111111111	kan kasin makatahan di demekanga masar samat mendahan sahan hagi ana disembah disebah pedi masar k	l-iistorical						Forecast						
www.companies		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. n	nillion)							
generated.	Sources													
de second	Net income after depreciation	æ	~	-	an.	***	0.0123	0.0124	0.0163	0.0213	0.0301	0.0393	0.0430	
2.		**		w***			0.0452	0.0463	0.0474	0.0474	0.0474	0.0474	0.0474	
3.			-	we	-	and a	0.0076	0.0003	0.0001	0.0003	0.0005	0.0002	0.0003	
Pop.	Increase in other current liabilities (interest capitalised)	**		-	0.0140	0.0309	0.0410	0.0445	ene		over	megket produktionen obber vir <del>state per</del> soll state o		

	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. 1	nillon)								
5. Increase in long term loan		<i>∞</i> -	~	0.2585	0.1835	de		***	_	-	sta.	, par		
6. Increase in grant in aid	W	<i>01</i>	~	0.7755	0.5505	w	~	<i>"</i> -	<i>"</i>	V4	***			
7. Others(specify)		W 1	-											
Total Sources	ee.	Pada	···	1.0450	0.7649	0.1061	0.1035	0.0638	0.0690	0.0780	0.0869	0.0907		
II. Applications								27 12 X/4/ W/	APARTER STAT	33+33 I \$3\$\footnote{\fin}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	0.0007	0.000		
1. Increase in fixed assets		<i></i>		1.0450	0.7449	0410	0.0445	41	eta.	April				
2. Increase in current assets	w-			r	ep.	ндр	100	***			···			
3. Increase in accounts receivables	wa.	··-	w	~	40.	0.0265	0.0010	0.0012	0.0016	0.0028	0.0023	0.0013		
4. Decrease in current liabilities	ur.	-	um.		~	ur.	No.	***	en.	~	-	~		