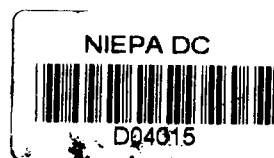


Draft Annual Plan

1988-89

Vol. IV

(STATEMENTS)



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GUIDE LINES

Status of Major and

Name of Projects	District benefitted	Latest estimated cost	Expenditure to end of Sixth Plan
(1)	(2)	(3)	(4)
A—World Bank Projects			
Modernisation of Upper Ganga Canal system		131330	500
B—Pre-Sixth Plan Schemes :			
I—MULTIPURPOSE PROJECTS :			
1. Ramganga Dam	.. ..	13724	13722
2. Tehri Dam	.. .. Saharanpur, Muzaffarnagar, Meerut, Ghaziabad, Bulandshahr, Aligarh, Mathura, Agra, Etah, Etawah, Mainpuri, Farrukhabad, Moradabad, Bijnor, Kanpur, Fatehpur, Allahabad.	26910	13321
3. Lakhwar Vyasi Dam	.. .. Saharanpur, Muzaffarnagar, Meerut, Ghaziabad.	17000	2685
4. Kishau Dam	.. .. Saharanpur, Muzaffarnagar, Meerut, Mathura, Agra.	39500	406
	Total, (I) ..	..	30134
II—IRRIGATION MAJOR AND MEDIUM SCHEMES :			
(a) Major Irrigation Projects :			
1. Gandak Canal	.. .. Deoria and Gorakhpur	13947	10423
2. Sarda Sahayak	.. .. Faizabad, Sultanpur, Jaunpur, Azamgarh, Ghazipur, Pratapgarh, Allahabad, Barabanki, Ballia, Lakhimpur, Sitapur, Lucknow, Rae-Bareilly, Varanasi.	73325	44144
3. Kosi Irrigation Scheme	.. .. Nainital, Rampur, Moradabad	1732	1592
4. Madhya Ganga Canal, Stage-I	.. .. Bulandshahr, Aligarh, Mathura, Agra, Etah, Mainpuri.	22785	13281
5. Sarju Nahar Pariyojna	.. .. Bahraich, Gonda, Basti, Gorakhpur.	69600	15532

STATEMENT I.F.-I

Medium Irrigation Projects

(Rupees in lakh)

Approved Seventh Plan outlay by Planning Commis- sion	1985-86 Actual expendi- ture	1986-87 Actual expendi- diture	1987-88		Balance of Seventh Plan outlay	1988-89 Proposed outlay	Remarks
			Approved outlay	Antici- pated ex- penditure			
(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
20691	1072	1905	3700	3700	14014	5000	Project under examination in C.W.C.
..	..	2	..	..	(- ) 2	..	
6000	535	997	1000	850	3618	..	Revised project submitted to C.W.C. for Rs.1345.62 crore/1984.
7500	494	546	1500	1350	5110	1500	Revised project submitted to C.W.C. for Rs.276.42 crore/1980.
100	36	31	50	50	(-) 17	20	Submitted to C.W.C.
13600	1065	1576	2550	2250	8709	2020	
3524	354	364	400	400	2406	500	Re-revised project submitted to C.W.C. for Rs.139.47 crore/1985.
19009	3085	4426	3950	3950	7539	4750	Re-revised project submitted to C.W.C. for Rs.733.23 crore/1985.
140	101	47	..	..	(- ) 8		Updated project submitted to C.W.C. for Rs.17.32 crore/1984.
7341	2015	1989	2000	2000	1337	2200	Re-revised project submitted to C.W.C. for Rs. 227.85 crore/1986.
21700	2561	2364	2500	2500	14275	3500	Re-revised project submitted to C.W.C. for Rs.696.00 crore/1985.

STATEMENT

Name of the Project		District benefitted	Latest estimated cost	Expenditure to end of Sixth Plan
(1)		(2)	(3)	(4)
6.	Okhla Barrage .. ..	.. Agra, Mathura ..	3960	3307
7.	Tajewala Barrage .. ..	.. Saharanpur, Muzaffarnagar, Meerut.	2000	..
8.	Suheli Irrigation Scheme .. ..	.. Lakhimpur	788	631
9.	Eastern Ganga Canal .. ..	.. Bijnor ..	16900	3574
10.	Bewar Feeder .. ..	.. Mainpuri, Farrukhabad ..	1868	11.58
11.	Madho Tanda Irrigation Scheme .. ..	.. Pilibhit ..	409	2.62
12.	Remodelling Bhimgoda Head Works .. ..	.. Replacement work. ..	3202	2.543
13.	Raising Meja Dam .. ..	.. Mirzapur and Allahabad ..	3069	135.3
14.	Rajghat Dam			
	(i) Dam .. ..	.. Lalitpur, Jalaun, Jhansi, Hamirpur.	1050	3821
	(ii) Canal (U.P.) .. ..	..	7788	1399
15.	Shahzad Dam .. ..	.. Lalitpur ..	3188	158.3
16.	Jamrani Dam .. ..	.. Nainital, Rampur, Bareilly ..	14900	968
17.	Kanhar Irrigation Scheme .. ..	.. Mirzapur	10744	2168
18.	Maudaha Dam .. ..	.. Hamirpur ..	4350	1473
19.	Bansagar Dam .. ..	.. Allahabad, Mirzapur	8500	1797
	(ii) Conveyance system M.P. .. ..	..	2500	50

Approved Seventh Plan outlay by Planning Commis- sion	1985-86 Actual expen- diture	1986-87 Actual expen- diture	1987-88		Balance outlay of Seventh Plan	1988-89 Proposed outlay	Remarks
			Approved outlay	Anticipa- ted ex- penditure			
(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
593	284	218	100	100	(—)9	45	Revised project submitted to C.W.C. for Rs.38.92 crore/1986.
10	--	--	2	2	8	2	Revised project to be submitted by Haryana Government.
132	38	38	7	35	21	25	Project submitted to C.W.C. for Rs.6.40 crore/1977.
9073	1500	1698	1800	1800	4075	2200	Re-cost project submitted to C.W.C. for Rs.169.00 crore/1986.
652	133	179	200	200	140	183	Revised project submitted to C.W.C. for Rs. 18.10 crore in 9/1984.
36	74	44	20	20	(—)102	9	Project submitted to C.W.C./ in 5/1984.
697	283	98	150	150	166	120	Revised project submitted to C.W.C. for Rs.32.02 crore/1985.
1616	369	414	300	300	533	400	Project submitted to C.W.C. for Rs. 29.69 crore.
3700	700	1150	1050	1050	800	1200	Project to be submitted by Betwa Board.
700	156	153	200	200	191	350	Project for Rs.14.06 crore/1973 deleted by C.W.C. Revised D.P.R. under preparation for Rs.77.88 crore.
917	392	603	350	350	(—)428	160	Revised project submitted to C.W.C. for Rs.25.00 crore/1985. Re-revised project for Rs.30.18 crore under checking.
1500	102	37	20	20	1341	20	R-revised project submitted to C.W.C. for Rs.149.00 crore/1986.
468	234	100	5	5	129	150	Updated project under checking.
2271	377	396	300	500	998	600	Revised project submitted to C.W.C. for Rs. 37.44 crore/1985.
2500	500	600	5	600	800	800	Project to be submitted by Bansagar Board.
200	..	25	50	50	126	60	

STATEMENT

Name of the Project	District benefitted	Latest estimated cost	Expenditure to end of Sixth Plan
(1)	(2)	(3)	(4)
(iii) Conveyance system U.P. (ID Share)		10276	19
20. Urmil Dam	Hamirpur	1706	629
21. Increasing capacity of Narainpur Pump Canal.	Varanasi, Mirzapur, Ghazipur	3875	11377
22. Sone Pump Canal	Mirzapur	2963	1854
23. Increasing capacity of Zamania Pump Canal.	Ghazipur	3625	856
24. Increasing capacity of Deokali Pump Canal	Ghazipur	3266	2004
25. Gyanpur Pump Canal	Mirzapur	7339	1698
26. Chambal Lift Scheme	Etawah, Agra	1142	202
27. Providing Paddy Channels in Hindon Krishni Doab	Meerut, Muzaffarnagar	1644	26
	Total, (a) ..	..	120342
<i>(b) Medium Irrigation Projects :</i>			
1. Remodelling Ken Canal	Replacement work	343	122
2. Paisuni Diversion	Banda	521	1
3. Aliganj Irrigation Scheme	Lakhimpur	696	496
4. Khatima Irrigation Scheme	Nainital	241	178
5. Belan Bakhar Diversion (544-337) =207	Mirzapur	207	90
6. Bakhar Marihan Feeder (556-111) =445	Mirzapur	445	0
7. Chittaurgarh Reservoir	Gonda	1700	625

I.F.-1—(Contd.)

(Rupees in lakh)

Approved Seventh Plan outlay by Planning Commis- sion	1985-86 Actual expen- diture	1986-87 Actual expen- diture	1987-88		Balance outlay of Seventh Plan	1988-89 Proposed outlay	Remarks
			Approved outlay	Antici- pated expen- diture			
(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
800	18	7	10	10	765	50	Revised project submitted to C.W.C. for Rs.135.29 crore/1985.
769	101	141	450	250	277	250	Revised project submitted to C.W.C. for Rs. 13.97 crore/1985
1898	348	299	400	400	851	500	Revised project submitted to C.W.C. for Rs.38.75 crore/1985.
1246	262	297	300	300	387	134	Revised project submitted to C.W.C. for Rs.28.47 crore/1983.
1344	214	289	300	300	541	450	Revised project submitted to C.W.C. for Rs.36.25 crore/1986.
1168	207	246	300	300	412	300	Submitted to C.W.C. for Rs.31.72 crore.
1926	546	564	400	400	416	750	Submitted to C.W.C. for Rs. 73.39 crore.
940	26	150	250	250	514	350	Submitted to C.W.C. for 11.42 crore
450	5	58	100	100	287	100	Submitted to C.W.C. for 16.44 crore
87311	14985	16997	15972	16542	38787	20158	
123	21	103	60	60	(—)61	35	Revised project submitted to C.W.C. for Rs.3.08 crore/1985.
--	--	--	--	--	--	--	Project under preparati on.
161	81	69	50	40	(—)29	10	Revised project submitted to C.W.C. for Rs.6.96 crore/1986.
47	63	--	--	--	(—)16	--	Project submitted to C.W.C. for Rs. 2.18 crore.
169	112	54	--	--	3	--	Revised project submitted to C.W.C. for Rs.5.17 crore/1986.
160	137	182	70	70	(—)229	26	Updated project submitted to C.W.C. for Rs. 5.56 crore/1987.
525	205	296	250	250	(—)226	200	Updated project submitted to C.W.C. for Rs. 13.54 crore

STATEMENT

Name of the Project		District benefitted	Latest estimated cost	Expenditure to end of Sixth Plan
(1)		(2)	(3)	(4)
8.	Rohini Dam ..	Lalitpur	.. 331	289
9.	Sajnam Dam ..	Lalitpur	.. 1548	935
10.	Dongri Dam	Jhansi	.. 258	221
11.	Dhenkwa Dam	Mirzapur	.. 312	193
12.	Gunta Nala Dam ..	Banda	.. 551	30
13.	Sarju Pump Canal ..	Bahraich	.. 861	753
14.	Kishanpur Pump Canal ..	Allahabad	.. 1826	845
15.	Augasi Pump Canal ..	Banda	.. 327	231
16.	Yamuna Pump Canal ..	Allahabad	.. 1554	1093
17.	Umarhat Pump Canal ..	Kanpur	.. 398	160
18.	Revised Kwano Pump Canal ..	Basti, Gorakhpur	.. 999	210
19.	Revised Tons Pump Canal ..	Allahabad	.. 1608	352
20.	Dhoba Pump Canal .. (431=119)=312	Mirzapur	.. 312	30
Total, (b)			..	6884
<i>(c) Modernisation Schemes :</i>				
1.	Lining of Channels ..	.. Varanasi, Allahabad, Mirzapur, Banda, Hamir- pur, Jhansi, Lalitpur.	615	607

I.F.-1 (Contd.)

(Rupees in lakh)

Approved Seventh Plan outlay by Planning Commis- sion	1985-86	1986-87	1987-88		Balance outlay of Seventh Plan	1988-89	Remarks
	Actual expen- diture	Actual expen- diture	Approved outlay	Anticipa- ted expen- diture		Proposed outlay	
(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
43	44	2	--	--	(—)3	..	Revised project submitted to C.W.C. for Rs.3.31 crore/1985.
331	227	116	150	150	(—)162	90	Revised project submitted to C.W.C. for Rs.12.66 crore/1985.
35	37	..	--	..	(—)2	--	Revised project submitted to U.P. Government for Rs.2.30 crore/1985.
84	76	23	20	20	(—)35	..	Revised Project for Rs. 3.01 crore/under checking.
473	124	137	150	150	62	110	Revised project submitted to C.W.C. for Rs.7.82 crore/1985.
72	56	47	--	--	(—)31	..	Revised project submitted to C.W.C. for Rs.8.25 crore/1985.
799	231	220	200	200	148	250	Revised project submitted to C.W.C. for Rs. 18.26 crore/1986.
96	33	30	40	40	(—)7	..	Revised project submitted to C.W.C. for Rs.3.27 crore/1985.
461	102	79	175	175	105	100	Revised project submitted to C.W.C. for Rs.15.55 crore/1985.
134	67	107	80	80	(—)120	..	Revised project under check- ing.
515	97	96	200	200	122	250	Re-revised project submitted to C.W.C. for Rs. 9.99 crore/1986.
1127	89	144	200	200	694	200	Re-revised project under check- ing for Rs.16.08 crore/1986.
125	97	112	60	60	(—)144	13	Re-revised project submitted to C.W.C. for Rs.4.31 crore/1987.
5480	1899	1817	1705	1695	69	1284	
5	3	--	--	..	2	..	Project under preparation.

STATEMENT

Name of the Project	District benefitted	Latest estimated cost	Expenditure to end of Sixth Plan
(1)	(2)	(3)	(4)
2. Modernisation of Eastern Yamuna Canal	Saharanpur, Meerut, Muzaffarnagar.	931	590
3. Modernisation of Agra Canal	.. Agra, Mathura	1721	907
4. Modernisation of Lachura Head works..	Replacement work	853	230
5. Modernisation of Mat Branch	.. Modernisation work.	1072	578
6. Modernisation of Ghaggar Canal	.. Ditto	1598	361
7. Modernisation Upper Sarda Canal	.. Bareilly, Pilibhit, Shahjahanpur, Hardoi, Lakhimpur, Sitapur, Unnao, Lucknow.	1140	1018
8. Modernisation of Upper Ganga Canal	.. Modernisation work	1297	1138
9. Modernisation of Farrukhabad Branch	Ditto	253	214
10. Modernisation Bewar Branch	.. Ditto	171	151
11. Modernisation of Anupshahr Branch	.. Ditto	599	380
12. Modernisation of Bhognipur Branch	.. Ditto	466	257
	Total, (C)	..	6322
	Total, (II)	..	133648
	Total, (B)	..	163782

C—New Schemes of Sixth Five year Plan :*(a) Major Irrigation of Projects :*

1. Arjun Sahayak Hamirpur	..	4140	2
------------------	-------	-------------	----	------	---

(b) Medium Irrigation Projects :

1. Khaprar Dam Jhansi		136	115
----------------	-------	-----------	--	-----	-----

New Schemes of Seventh five year Plan

2. Pathrai Dam	.. ..	Jhansi		538	..
3. Kurar Dam		..		280	..

I.F.-1—(Concl.)

(Rupees in lakh)

Approved Seventh Plan outlay by Planning Commission	1985-86	1986-78	1987-88		Balance outlay of Seventh Plan	1988-89	Remarks
	Actual expenditure	Actual expenditure	Approved outlay	Anticipated expenditure		Proposed outlay	
(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
341	50	61	100	100	130	100	Sent to C.W.C
700	51	94	100	100	455	100	Re-cost project under process for submission to C.W.C.
331	10	5	5	5	311	5	Cleared by Planning Commission.
200	25	24	..	..	151	..	Re-cost project under checking.
462	110	75	50	50	227	200	Revised project subject to C.W.C. for Rs.15.99 crore/1986.
122	..	..	..	..	122	..	Project submitted to C.W.C. for Rs.4.94 crore.
161	69	36	30	30	26	33	Re-cost project to be submitted to C.W.C. for Rs.12.97 crore.
186	7	5	3	3	171	5	Submitted to C. V.C.
99	9	5	2	2	83	2	Submitted to C.W.C. for Rs. 1.60 crores
100	25	18	..	..	57	..	Project to be submitted to C.W.C.
360	40	49	40	40	231	40	Submitted to C.W.C. for Rs. 5.01 crores
3067	399	372	330	330	1966	493	
95858	17283	19186	18007	18567	40822	21925	
109458	18348	20762	20557	20817	49531	23945	
..	..	..	..	..	..	..	Revised project under preparation.
16	21	..	..	..	(—)5	..	Under checking.
450	..	10	18	52	388	210	-do-
280	..	..	15	..	280	..	Project under checking.

STATEMENT

Name of the Project	District benefitted	Latest estimated cost	Expenditure to end of Sixth Plan
(1)	(2)	(3)	(4)
4. Lakheri Dam	Jhansi	600	..
5. Sizaro Dam	„	165	..
6. Resin Dam	Banda	387	..
7. Charkhari Dam	Hamirpur	690	..
8. Vindhyachal Pump Canal	Mirzapur	270	..
9. Increasing Capacity of Manda Pump Canal	Hamirpur	467	4
10. New Medium Schemes of Hill area ..			
	Total, (b)	..	119
	Total, (a+b) C. ..	..	121
D—Crash Schemes :			
1. Warbandi Structural improvement construction of water courses and field channels		..	7
2. Constructing water courses and field channels (40 to 5/8 ha.)		..	..
3. Gul crossings .. ..		..	814
4. Modernisation of Tele-communication system of canal		..	..
5. Extension of workshops ..		..	118
6. Liabilities of completed schemes of Sixth Plan		..	..
7. Major Irrigation works in distress ..		..	455
	Total, (D) ..	..	1463
E—Water Development :			
1. Investigation and Survey of Natural Resources		..	3104
2. Expantion of research facilities			75
3. Expantion of Training Facilities		..	26
4. Upgrading Technology .. ..		..	..
5. Field Hostel (Base Camp) .. ..		..	171
6. Building at Head Quarters for I and P Organisation		..	..
7. Evaluation Studie		..	..
	Total, (E) ..	..	3466
	GRAND TOTAL (A+B+C+D+E) ..	..	169332

I.F.-1—(Concl'd.)

(Rupees in lakh)

Approved Seventh Plan outlay by Planning Commi- ssion	1985-86	1986-87	1987-88		Balance outlay of Seventh Plan	1988-89	Remarks
	Actual expendi- ture	Actual expendi- ture	Approved outlay	Anticipa- ted ex- penditure		Proposed outlay	
(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
600	..	..	10	..	600	..	Submitted to C.W.C. for Rs. 4.10 crore. Project under checking
25	..	..	..	1	24	100	
340	..	..	5	..	340	..	Submitted to C.W.C.
690	..	..	5	..	690	..	Under checking.
25	..	..	..	..	25	..	Ditto
25	..	..	..	..	25	..	Ditto
100	..	..	..	..	..	..	Ditto
2451	21	10	53	53	2367	310	
2551	21	10	53	53	2367	310	
..	..	..	123	50	..	220	
2000	..	..	76	60	..	100	
..	..	..	..	..	2191	..	
..	..	..	..	..	..	25	
..	..	50	20	50	..	79	
..	..	..	..	..	..	25	
400	..	..	..	..	..	46	
2400	..	50	219	160	2191	495	
4900	490	397	560	560	3413	1035	
1500	10	43	70	70	1298	100	
	11	28	40	40		75	
500	..	..	..	..	500	25	
..	52	24	10	10	(—)86	20	
..	
..	..	..	20	20	..	..
6900	563	492	900	700	5145	1255	
142000	20004	23219	25430	25430	73347	31005	

STATEMENT
Major and Medium Irrigation

Name of Project	Districts to be benefitted	Cultural Command Area	Ultimate Irrigation potential	Benefits to the end of (1984-85) (Actual)		
				Potential	Utilization	
(1)	(2)	(3)	(4)	(5)	(6)	
A—Completed Schemes :						
I—MAJOR SCHEMES—						
1. Matatila Dam	.. Jhansi, Jalaun and Hamirpur	N.A.	165.75	165.75	165.75	
2. Sarda Sagar Stage-II	Pilibhit, Shahjhapur, Kheri, Hardoi, Sitapur, Unnao, Lucknow and Bareilly	N.A.	74.93	74.93	74.93	
3. Haripura Reservoir	.. Nainital and Rampur	N.A.	19.99	19.99	19.99	
4. Ramganga Dam	.. Saharanpur, Muzaffarnagar, Meerut, Ghaziabad, Bulandshahr, Aligarh, Mathura, Agra, Etah, Etawah Mainpuri, Farrukhabad, Moradabad, Bijnor, Kanpur, Fatehpur and Allahabad.	1201.90	591.11	591.11	560.00	
5. Parallel Lower Ganga Canal	Etah, Farrukhabad, Mainpuri, Etawah, Kanpur, Fatehpur and Allahabad	2201.25	90.00	90.00	20.00	
6. Adwa Dam	.. Mirzapur and Allahabad	21.77	16.98	16.98	10.60	
7. East Baigul Reservoir	.. Nainital	N.A.	15.35	15.35	4.50	
8. Dohrighat Sahayak	.. Azamgarh, Ballia	57.30	45.81	45.81	20.00	
Total-I			..	1019.92	1019.92	875.77
II—MEDIUM PROJECT						
1. Ahraura Dam	.. Mirzapur	..	8.87	8.87	8.87	
2. Tran Kalayani Scheme	Barabanki, Sultanpur and Azamgarh	..	19.06	19.06	19.06	
3. Nagwa Dam	.. Mirzapur	N.A.	27.23	27.23	27.23	
4. Rangewan Dam	.. Banda	N.A.	37.63	37.63	37.63	
5. Shahganj Devahan	.. Mirzapur	N.A.	8.07	8.07	8.07	
6. Arjun Dam	.. Hamirpur	N. A.	10.76	10.76	10.76	
7. Saprar Dam	.. Jhansi	N. A.	17.00	17.00	17.00	
8. Afzalgarh Dam	.. Bijnor	N. A.	4.05	4.05	4.05	

STATEMENT

Name of Project	Districts to be benefited	Cultural command Area	Ultimate Irrigation Potential	Benefits to the end of (1984-85) (Actual)	
				Potential Utilization	
(1)	(2)	(3)	(4)	(5)	(6)
9. Increasing capacity of Upper.. Ganga Canal	Bijnor	N. A.	36.02	36.02	36.02
10. Kabrai Lake	Hamirpur	N. A.	1.94	1.94	1.94
11. Naugarh Dam	Varanasi	N. A.	34.80	34.80	34.80
12. Pratapgarh Branch ..	Pratapgarh	N. A.	19.19	19.19	19.19
13. Balan and Tons Canal ..	Mirzapur, Allahabad	N. A.	41.08	41.08	41.08
14. Banganga Canal ..	Basti	N. A.	8.90	8.90	8.90
15. Lalitpur Dam	Jhansi	N. A.	7.58	7.58	7.58
16. Sarda Sagar Stage—I ..		N. A.	67.74	67.74	67.74
17. Chandraprabha Dam ..	Varanasi	N. A.	14.16	14.16	14.16
18. Remodelly Agra Canal ..	Agra and Mathura	N. A.	8.25	8.25	8.25
19. Tanda Pump Canal ..	Faizabad	N. A.	27.48	27.48	27.48
20. Dohrightat Pump Canal ..	Azamgarh Ballia	N. A.	48.07	48.07	48.07
21. Remodelled Eastern Yamuna Canal	Saharanpur Muzaffar nagar and Meerut	N. A.	8.90	8.90	8.90
22. Upper Khajuri Reservoir ..	Mirzapur	N. A.	7.28	7.28	7.28
23. Kwano Pump Canal ..	Basti	N. A.	8.59	8.59	8.59
24. Jirgo Reservoir	Mirzapur	N. A.	15.90	15.90	15.90
25. Tumaria Reservoir ..	Nainital, Moradabad	N. A.	16.19	16.19	16.19
26. Nanak Sagar Dam	Bareilly, Pilibhit Nainital	N. A.	53.71	53.71	53.71
27. Meja Reservoir	Mirzapur, Allahabad	N. A.	21.21	21.21	21.21
28. Project of 5 mile channels on Ohen Canal	Banda	N. A.	0.34	0.34	0.34
29. Balmiki Ohen Sarovar ..	Banda	N. A.	6.27	6.27	6.27
30. Project of 78 mile channels on Kcon Canal	Banda	N. A.	4.28	4.28	4.28
31. Construction of 40 miles channels	Mirzapur	N. A.	5.70	5.70	5.70
32. Keolari Dam	Hamirpur	N. A.	1.46	1.46	1.46
33. Gularia Dam	Allahabad	N. A.	1.28	1.28	1.28

STATEMENT

Name of Schemes	District to be benefitted	Cultural Command Area	Ultimate Irrigation	Benefit to end of (1984-85) (Actual)	
				Potential	Utilization
(1)	(2)	(3)	(4)	(5)	(6)
34. Jahangirganj Branch	.. Faizabad	N. A.	13.81	13.81	13.81
35. Tumaria Extension	.. Nainital and Moradabad	N. A.	18.21	18.21	18.21
36. Pili Dam	.. Nainital, Bijnor	N. A.	11.48	11.48	11.48
37. Barwa Dam	.. Banda	N. A.	5.46	5.46	5.46
38. Baur Reservoir	.. Rampur and Nainital	N. A.	18.93	18.93	18.93
39. Moosakhanda Dam	.. Varanasi	N. A.	22.29	22.29	22.29
40. East Baigul Reservoir	.. Nainital, Bareilly and Pilibhit	N. A.	17.24	17.24	17.24
41. Naraini Gandak Canal	.. Gorakhpur, Deoria	N. A.	23.86	23.86	23.86
42. Jamni Dam	.. Jhansi	N. A.	12.48	12.48	12.48
43. Chandrawal Dam	.. Hamirpur	N. A.	4.31	4.31	4.31
44. Dalmau Pump Canal	.. Varanasi	N. A.	30.35	30.35	30.35
45. Bhopali Pump Canal	.. Varanasi	N. A.	24.28	24.28	24.28
46. Zamania Pump Canal	.. Ghazipur	N. A.	24.28	24.28	24.28
47. Tons Pump Canal	.. Allahabad	N. A.	33.14	33.14 —3.0	33.14 —3.0
				30.14	30.14
48. Nrainpur Pump Canal	.. Mirzapur, Varanasi	N. A.	24.28	24.28	24.28
49. Increasing capacity of Dohri-ghat Pump Canal	.. Azamgarh, Ballia	N. A.	21.85	21.85	21.85
50. Kosi Valley, Nainital	.. Nainital	N. A.	0.59	0.59	0.59
51. Ramganga Valley	.. Almora	1.15	1.15	1.15	0.90
52. Laster Valley	.. Tehri Garhwal	0.83	0.63	0.63	0.30
53. Khara Canal	.. Saharanpur	12.47	7.00	7.00	5.00
54. Dalmau Pump Canal Stage-II	.. Raebareli, Pratapgarh	73.88	81.99	81.99	65.00
55. Chillimal Pump Canal	.. Banda	81.29	7.77	7.77	6.00
	Sub-Total, (II)	..	1004.37	1004.37 —3.00	983.03 —3.00
				1001.37	980.03
	Total, A (I+II)	..	2024.29	2024.29 —3.00	1858.80 —3.00
				2021.29	1855.80

I. F. 3—(Contd.)

(Potential in '000 ha.)

Additional Targets during Seventh Plan		Achievement to the end of 1985-86		Anticipated Achievement to end of 1986-87		Anticipated Achievement to the end of 1987-88		Proposed during 1988-89	
Potential	Utilization	Potential	Utilization	Potential	Utilization	Potential	Utilization	Potential	Utilization
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
..	..	13.81	13.81	13.81	13.81	13.81	13.81	..	..
..	..	18.21	18.21	18.21	18.21	18.21	18.21	..	..
..	..	11.48	11.48	11.48	11.48	11.48	11.48	..	..
..	..	5.46	4.56	5.46	5.46	5.46	5.46	..	..
..	..	18.93	18.93	18.93	18.93	18.93	18.93	..	..
..	..	22.29	22.29	22.29	22.29	22.29	22.29	..	..
..	..	17.24	17.24	17.24	17.24	17.24	17.24	..	..
..	..	23.86	23.86	23.86	23.86	23.86	23.86	..	..
..	..	12.48	12.48	12.48	12.48	12.48	12.48	..	..
..	..	4.31	4.31	4.31	4.31	4.31	4.31	..	..
..	..	30.35	30.35	30.35	30.35	30.35	30.35	..	..
..	..	24.28	24.28	24.28	24.28	24.28	24.28	..	..
..	..	24.28	24.28	24.28	24.28	24.28	24.28	..	..
3.00	3.00	30.14	30.14	30.14	30.14	30.14	30.14	3.00	..
..	..	24.28	24.28	24.28	24.28	24.28	24.28	..	..
..	..	21.85	21.85	21.85	21.85	21.85	21.85	..	..
..	..	0.59	0.59	0.59	0.59	0.59	0.59	..	..
..	0.25	1.15	1.15	1.15	1.15	1.15	1.15	..	..
..	0.33	0.63	0.63	0.63	0.63	0.63	0.63	..	..
..	2.00	7.00	5.00	7.00	5.00	7.00	5.00	..	1.00
..	16.99	81.99	65.00	81.99	65.00	81.99	65.00	..	5.00
..	1.77	7.77	6.10	7.77	6.10	7.77	6.67	..	0.60
3.00	24.34	1001.37	980.71	1001.37	980.71	1001.37	981.28	3.00	6.60
3.00	95.38	2021.29	1867.36	2021.29	1867.36	2021.29	1875.13	3.00	22.10

Name of Project	District to be benifitted	Cultural Command Area	Ultimate Irrigation Potential	Benefit to end of (1984-85) (Actual)		Potential Utilization
(1)	(2)	(3)	(4)	(5)	(6)	(6)
B—Externally Aided Projects						
WORLD BANK SCHEMES						
Modernisation Upper Ganga Canal		.. ..	..	..	..	..
	Total, (B)		..	..	..	..
C—Pre-Sixth Plan Schemes						
(I) MAJOR PROJECTS						
1. Tehri Dam	.. ..	Saharanpur, Muza-ffarnagar, Meerut, Ghaziabad, Bulnad shahr, Aligarh, Mathura, Agra, Etah, Etawah, Mainpuri, Farrukhabad, Moradabad, Bijnor, Kanpur, Fatehpur and Allaha bad	N. A.	270.00	..	..
2. Lakhwar Vyasi Dam	.. ..	Saharanpur, Muza-ffarnagar Meerut, Ghaziabad	N. A.	49.57	..	..
3. Kishau Dam	.. ..	Saharanpur, Muza-ffarnagar, Meerut, Mathura and Agra	N. A.	271.00	..	..
4. Gandak Canal	.. ..	Deoria, Gorakhpur,	443.12	308.39	308.39	280.00
					—21.00	
					287.39	
5. Sarda Sahayak	.. ..	Faizabad, Sultanpur	1800.00	1582.00	1526.00	650.000
		Jaunpur, Azamgarh Allahabad, Bara-banki, Ballia, Lakhimpur, Sitapur, Luck now, Raebare-li, Varanasi,			—523.00	
					1003.00	
6. Kosi Irrigation Scheme	.. ..	Nainital, Rampur and Moradabad	130.46	48.80	48.80	45.80
7. Madhya Ganga Canal Stage-I	.. ..	Bulandshahr, Ali-garh, Mathura, Agra, Etah, Main-puri	1388.00	178.00	6.00	..

I. F. 3—(Contd.)

(Potential in 000'ha.)

Additional Targets during Seventh Plan	Achievement to the end of 1985-86	Anticipated Achievement to end of 1986-87	Anticipated Achievement to end of 1987-88	Proposed during 1988-89					
Potential Utilization (7)	Potential Utilization (8)	Potential Utilization (9)	Potential Utilization (10)	Potential Utilization (11)	Potential Utilization (12)	Potential Utilization (13)	Potential Utilization (14)	Potential Utilization (15)	Potential Utilization (16)
..
..
..
..
..
..
..
21.00	26.61	287.39	280.00	287.39	280.00	300.39	282.11	3.00	2.50
70.00	274.90	1003.00	662.00	1003.00	678.50	1023.00	726.60	22.50	70.30
..
..	2.00	48.80	47.80	48.80	47.80	48.80	47.80	..	..
110.00	42.50	18.00	..	60.00	..	78.00	13.20	18.00	13.50

Name of Project	Districts to be benefited	Cultural Command Area	Ultimate Irrigation Potential	Benefits to the end of (1984-85) (Actual)	
				Potential	Utilization
(1)	(2)	(3)	(4)	(5)	(6)
8. Sarju Nahar Project	.. Bahraich, Gonda, Basti, Gorakhpur	120.00	1404.00	..	..
9. Suheli Irrigation Scheme	.. Lakhimpur Kheri	36.42	17.50	17.50	6.60
10. Eastern Ganga Canal	.. Bijnor	233.00	105.00	..	..
11. Bewar Feeder	.. Mainpuri Farrukhabad	81.51	7.79	..	..
12. Madho Tanda Irrigation Scheme	.. Pilibhit	32.00	17.60	17.00	5.00
13. Raising Meja Dam	.. Mirzapur and Allahabad	71.78	17.88	..	..
14. Rajghat Dam	.. Lalitpur, Jalaun, Jhansi, Hamirpur	593.27	108.00	..	..
15. Shahzad Dam	.. Lalitpur	16.00	20.24	..	..
16. Jamrani Dam	.. Nainital, Rampur, Bareilly	150.30	64.50	21.00	15.00
17. Kanhar Irrigation Scheme	.. Mirzapur	26.09	33.13	..	..
18. Maudaha Dam	.. Hamirpur	41.12	27.70	..	..
19. Bansagar Dam	.. Allahabad, Mirzapur	204.00	129.05	..	..
20. Urmil Dam	.. Hamirpur	6.80	4.77	..	..
21. Increasing capacity of Narainpur Pump Canal	.. Varanasi Mirzapur, Ghazipur	69.97	73.14	10.00	2.50
22. Sone Pump Canal	.. Mirzapur	90.00	30.06	1.00	..
23. Increasing capacity of Zamania Pump Canal	.. Ghazipur	21.46	25.72	13.00	..
				(-3.00)	
				10.00	
24. Increasing capacity Deokali Pump Canal	.. Ghazipur	108.04	73.60	43.30 -11.00	20.00
				32.30	
25. Gyanpur Pump Canal	.. Mirzapur	62.30	65.42	6.00	..
26. Chambal Lift Scheme	.. Etawah and Agra	62.00	55.40	..	..
27. Providing Paddy Channels in Hindon Krishni Doab	.. Meerut, Muzzaffar nagar	31.40	8.50	..	..
Total-(I) Major Projects			4996.76	2017.99	1024.90
				(-)	561.00
					1456.99

IF-3 (Contd.)

(Potential in 000'ha.)

Additional Targets- during Seventh Plan		Achievement to the end of 1985-86		Anticipated Achie- vement of end of 1986-87		Anticipated Achie- vement to end of 1987-88		Proposed during 1988-89	
Potential	Utilization	Potential	Utilization	Potential	Utilization	Potential	Utilization	Potential	Utilization
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
70.00	0.02	..	..	..	..	..	..	10.00	..
..	10.90	17.500	8.60	17.50	9.60	.. 17.50	11.60	..	2.20
48.00	9.60	..	..	..	..	14.00	..	16.00	3.50
7.00	..	..	..	..	..	..	..	4.50	..
0.60	5.89	17.00	5.00	17.60	5.70	17.60	7.65	..	1.54
10.00	0.42	..	..	..	..	..	..	6.00	..
..
16.00	1.19	..	..	..	..	10.00	..	6.00	0.59
..	6.00	21.00	15.00	21.00	15.00	.. 21.00	15.00	..	..
..
5.00	..	..	..	..	..	..	..	..	..
..
4.30	..	..	..	..	..	..	..	0.30	..
63.14	15.36	23.70	3.30	30.70	3.30	39.70	8.71	13.00	6.25
29.06	1.62	3.50	0.20	3.50	0.05	3.50	1.03	10.00	0.29
13.12	13.19	10.00	4.10	10.00	5.00	10.00	6.50	..	0.19
41.30	16.12	32.30	22.40	32.30	23.50	44.80	26.22	14.04	2.20
12.00	3.47	6.00	0.04	6.00	0.64	6.00	1.54	5.00	0.93
5.00	..	..	..	..	..	..	..	..	..
..
525.52	429.79	1488.19	1048.44	1537.79	1069.54	1634.29	1147.96	128.34	103.99

STATEMENT

Name of Project	Districts to be benefited	Cultural Command Area	Ultimate Irrigation potential	Benefits to the end of (1984-85) Potential Utilization	
(1)	(2)	(3)	(4)	(5)	(6)
II—MEDIUM PROJECTS					
1. Paisuni Diversion	.. Banda	36.90	3.30	..	..
2. Aliganj Irrigation Scheme	.. Lakhimpur Kheri	84.80	38.70	36.00 (—)16.00	12.00
				20.00	
3. Khatima Irrigation Scheme	.. Nainital	16.21	9.33	9.33	5.00
4. Balen Bakhar Division	.. Mirzapur	.. 9.67	5.70	..	..
5. Bakhar Marihan Feeder	.. Mirzapur	11.67	2.07	..	..
6. Chittaurgarh Reservoir	.. Gonda	22.85	13.76	..	..
7. Rohini Dam.	.. Lalitpur	2.42	1.31	1.00	0.10
8. Sajnam Dam.	.. Lalitpur	10.21	7.27	3.00	0.80
9. Dongri Dam.	.. Jhansi	1.92	0.98	..	—
10. Dhenkwa Dam,	.. Mirzapur	1.57	1.41	1.31	0.50
11. Gunta Nala Dam-	.. Banda	9.80	3.88	..	..
12. Sarju Pump canal	.. Bahraich	24.40	24.40	14.00 (—)10.00	2.80
				4.00	
13. Kishanpur Pump Canal	.. Allahabad	38.64	30.66	28.64	25.00
15. Augasi Pump Canal	.. Banda	12.70	12.70	12.70	5.00
10. Yamuna pump Canal	.. Allahabad	33.78	37.16	37.10 (—)7.00	12.00
				30.10	
16. Umarhat Pump Canal	.. Kanpur	4.86	3.90	3.90	..
17. Revised Kwan0 Pump Canal	Basti, Gorakhpur	20.21	10.60	..	..
18. Dhoba Pump Canal	.. Mirzapur	6.40	4.05	..	..
Total (2) Medium Project		..	211.18	143.08 (—)33.00	63.20
				110.08	

I.F.-3 (Contd.)

(Potential in 000' ha.)

Additional Targets during Seventh Plan	Achievement to the end of 1985-86	Anticipated Achievement to end of 1986-87	Anticipated Achievement to end of 1987-88	Proposed during 1988-89	Potential Utilization	Potential Utilization	Potential Utilization	Potential Utilization	Potential Utilization	Potential Utilization
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(16)
..
18.70	12.31	20.00	12.00	22.20	13.90	38.70	16.85	..	4.96	..
..	4.33	9.33	6.10	9.33	7.23	9.33	8.23	..	1.00	..
5.70	1.62	5.70	..	5.70	..	5.70	0.86	..	0.36	..
2.07	0.54	2.07	..	2.07	..	2.07	0.31	..	0.13	..
9.00	0.07	..	..	..	..	1.00	..	1.00	..	..
0.31	1.36	1.31	0.30	1.31	1.07	1.31	1.27	..	0.09	..
4.27	3.45	3.00	1.30	6.00	2.20	7.10	3.40	0.13	0.40	..
0.98	0.27	0.98	..	0.89	..	0.98	0.14	..	0.06	..
0.10	0.36	1.31	0.50	1.31	0.50	1.31	0.64	0.10	0.12	..
3.88	0.18	..	..	..	..	..	..	3.88	..	..
10.40	3.55	4.00	4.00	4.00	4.20	4.00	4.80	5.00	3.75	..
2.02	5.90	28.64	25.00	28.64	25.00	28.64	25.00	..	2.80	..
..	7.70	12.70	5.00	12.70	5.00	12.70	5.00	..	3.00	..
7.06	10.25	30.10	14.40	31.40	14.40	32.80	16.38	..	2.77	..
3.90	1.39	..	..	3.90	..	3.90	1.00	..	0.19	..
9.60	..	..	..	..	..	..	..	4.00	..	..
4.05	1.39	..	..	4.00	..	4.00	1.00	0.05	0.19	..
82.04	44.67	119.14	68.60	133.54	73.50	153.54	84.88	14.16	16.82	..

STATEMENT

Name of Project	Districts to be benefited	Cultural Command Area	Ultimate Irrigation potential	Benefits to be end of (1984-85)	
				Potential Utilization	
(1)	(2)	(3)	(4)	(5)	(6)
III—MODERNISATION SCHEMES					
1. Lining of Channels ..	Varanasi, Allahabad, Mirzapur, Banda, Hamirpur, Jhansi, Lalitpur	N. A.	14.70	4.82	1.20
2. Modernisation of Eastern Yamuna canal	Saharanpur, Meerut, Muzaffarnagar	..	27.00	..	..
3. Modernisation of Agra canal	Agra, Mathura	327.00	64.00	5.00	4.00
4. Modernisation of Upper Sarda Canal	Bareilly, Pilibhit, Shahjahanpur, Har-doi, Lakhimpur, Sitapur, Unnao, Lucknow.	N. A.	69.00	61.00	12.00
Modernisation Schemes Total (3) ..			174.70	70.82	17.20
Total —C— (1+2+3) ..			5382.64	2231.89 -594.00	1105.30
				1637.89	
D—New Schemes of Sixth Five Year Plan					
(a) MEDIUM IRRIGATION PROJECTS					
1. Khaplar Dam ..	Jhansi	1.20	0.59	..	..
2. Pathrai Dam ..	Jhansi	N.A.	2.11	..	..
3. Kurar Dam ..	Jhansi	N.A.	0.90	..	..
4. Lakheri Dam ..	Jhansi	N.A.	2.23	..	..
5. Sizaro Dam ..	Jhansi	N.A.	9.97	..	..
6. Vindhyanchal Pump Canal ..	Mirzapur	N.A.	3.84	..	..
7. Takia Dam ..	Bahraich	N.A.	3.29	..	..
8. Chittaia Dam ..	Gonda	N.A.	2.40	..	..
9. Pathkauli Dam ..	Bahraich	N.A.	4.90	..	..
10. Nawalgarh Dam ..	Gonda	N.A.	2.80	..	..
11. Resin Dam ..	Banda	N.A.	2.63	..	..
12. Charkhari Dam ..	Hamirpur	N.A.	2.00	..	..
13. Increasing capacity of Manda Pump Canal	Hamirpur	N.A.	..	..	..
Total (a)			28.66	..	..
Total (D—C)			5382.64	2231.89 (—)591.00	1105.30
				1640.89	

IF-3 (Contd.)

(Potential in 000 ha.)

Additional Target during Seventh Plan	Achievement to the end of 1985-86	Anticipated achieve- ment to end of 1986-87	Anticipated achieve- ment to end of 1987-88	Proposed during 1988-89					
Potential Utilization	Potential Utilization	Potential Utilization	Potential Utilization	Potential Utilization	Potential Utilization	Potential Utilization	Potential Utilization	Potential Utilization	Potential Utilization
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
..	3.62	4.82	1.20	4.82	1.20	4.82	1.20	..	1.12
6.02	..	..	..	..	..	..	..	..	..
10.00	0.95	5.00	4.00	5.00	4.00	5.00	4.00	2.00	0.45
8.00	15.44	61.00	12.00	61.00	12.00	61.00	15.85	..	5.49
24.02	20.01	70.82	17.20	70.82	17.20	70.82	21.05	2.00	7.06
631.58	504.47	1678.15	1134.24	1742.15	1160.24	1858.65	1253.89	144.50	127.87
0.59	0.15	0.59	..	0.59	..	0.59	0.08	..	0.08
0.40	..	..	..	..	..	..	..	..	..
0.20	..	..	..	..	..	..	..	..	..
0.40	..	..	..	..	..	..	..	..	..
..
..
..
..
..
..
0.50	..	..	..	..	..	..	..	..	..
0.39	..	..	..	..	..	..	..	..	..
..
2.48	0.15	0.59	..	0.59	..	0.59	0.08	..	0.03
634.06	504.62	1678.74	1134.24	1742.74	1160.24	1859.24	1253.97	144.50	127.90

STATEMENT

Name of Scheme	Districts to be benefited	Cultural Command Area	Ultimate Irrigation potential	Benefits to the end of (1984-85) (Actual)	
				Potential	Utilization
(1)	(2)	(3)	(4)	(5)	(6)
E—Benefits for Pre-Plan Schemes					
1. Upper Ganga Canal		..	699.09	699.09	699.09
2. Lower Ganga Canal		..	527.74	527.74	527.74
3. Eastern Yamuna Canal		..	191.34	191.34	191.34
4. Agra Canal		..	138.30	138.30	138.30
5. Bijnor Canal	16.59	16.59	16.59
6. Ramganga Pump Canal		..	19.51	19.51	19.51
7. Rohilkhand Canal	64.53	64.53	64.53
8. Betwa Canal	98.65	98.65	98.65
9. Doon Canal	10.92	10.92	10.92
10. Dhasan Canal	24.28	24.28	24.28
11. Ken Canal	75.22	75.22	75.22
12. Rampur Canal	17.63	17.63	17.63
13. Ghaghra Canal	17.66	17.66	17.66
14. Sarda Canal	612.22	612.22	612.22
15. Ghaggar and Garrai Canals		..	39.28	39.28	39.28
Total (E)			N.A.	2552.96	2552.96
GRAND TOTAL (A+B+C+D+E+F)			..	9988.55	6809.14
				(-)	594.00
					6215.14

IF-3-(Conclo)

(Potential in 000' - ha) -

Additional Targets during seventh Plan		Achievement to end of 1985-86		Anticipated Achievement to end of 1986-87		Anticipated Achievement to end of 1987-88		Proposed during 1988-89	
Potential Utilization		Potential Utilization		Potential Utilization		Potential Utilization		Potential Utilization	
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
..	..	699.09	699.09	699.09	699.09	699.09	699.09	..	..
..	..	527.74	527.74	527.74	527.74	527.74	527.74	..	..
..	..	191.34	191.34	191.34	191.34	191.34	191.34	..	..
..	..	138.30	138.30	138.30	138.30	138.30	138.30	..	..
..	..	16.59	16.59	16.59	16.59	16.59	16.59	..	..
..	..	19.51	19.51	19.51	19.51	19.51	19.51	..	..
..	..	64.53	64.53	64.53	64.53	64.53	64.53	..	..
..	..	98.65	98.65	98.65	98.65	98.65	98.65	..	..
..	..	10.92	10.92	10.92	10.92	10.92	10.92	..	..
..	..	24.28	24.28	24.28	24.28	24.28	24.28	..	..
..	..	75.22	75.22	75.22	75.22	75.22	75.22	..	..
..	..	17.63	17.63	17.63	17.63	17.63	17.63	..	..
..	..	17.66	17.66	17.66	17.66	17.66	17.66	..	..
..	..	612.22	612.22	612.22	612.22	612.22	612.22	..	..
..	..	39.28	39.28	39.28	39.28	39.28	39.28	..	..
..	..	2552.96	2552.96	2552.96	2552.96	2552.96	2552.96	..	..
637.06	600.00	6252.99	5554.56	6316.99	5580.56	6433.49	5682.06	147.50	150.00

STATEMENT I. F.—4

1. SARDA SAHAYAK PARIYOJNA

1. Brief description, location and district benefited. The project envisages construction of a 716 M long barrage on River Ghaghra at Katerniaghat about 10 km. below Indo-Nepal border and another barrage 408M long on river Sarda both linked by a link canal. The available discharge of river Ghaghra and Sarda will be conveyed through a feeder canal to different branches of Sarda Canal system for intensifying irrigation thereon and taking up new areas. The project estimated to cost Rs. 73323 lakh will provide irrigation benefits to about 15.82 lakh hectares in Allahabad, Varanasi, Kheri, Sitapur, Lucknow, Bara Banki, Ghazipur, Rae Bareli, Sultanpur, Jaunpur, Azamgarh, Pratapgarh, Farrukhabad and Ballia Districts.
2. Date of commencement. 1968-69.
3. Target date of completion. Eighth Plan.
4. Various main components of the project completed, upto the end of Sixth Plan, 1985-86, and 1986-87 and proposed for 1987-88 and 1988-89. The work of Girja Barrage, Sarda Barrage, Linked Channels and Feeder Channels has been completed. Nearly 86 per cent earth work on distribution system and 76.4 per cent earth work on drainage system has been completed upto March, 1986. The remaining works will continue during 1987-88 and 1988-89.
5. The details of Expenditure and outlay for the Seventh Plan.

PART-1 EXPENDITURE

(Rupees in lakh)

Item	Latest cost	Expenditure upto 1984-85	Phasing of outlays/ Expenditure in the Seventh Five-Year Plan (1985—90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Land compensation							
(b) Headworks							
(c) Main Canals							
(d) Distribution system upto 5/8 hectares block	73323	44144	3085	4426	3950	4750	6000
(e) Lining							
(i) Main Canal							
(ii) Distribution system							
(iii) Establishment							
(iv) Other items							
Total	73323	44144	3085	4426	3950	4750	6000

STATEMENT I. F.—4 (Contd.)

PART-II—PHYSICAL PROGRESS AND PROGRAMMES

Item	Unit	Total estimated quantity	Works done to end of 1984-85 (%)	Seventh Plan targets (%)	1985-86 (Achievement) (%)	1986-87 achievement (%)	1987-88 (Anticipated achievement) (%)	1988-89 Targets (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Girja Barrage (Ghagra Barrage)	No.	..	100	..	..	..	..	..
2. Sarda Barrage	.. No.	..	100	..	..	..	..	..
3. Link Channel	.. Km.	82.4	100	..	..	..	..	..
4. Feeder Channel	.. Km.	258.8	100	..	..	..	..	..
5. Distribution system	.. Km.	16683	82.64	17.36	3.20	2.31	3.90	3.50
6. Drains	.. Km.	12392	75.15	23.58	1.27	6.23	6.46	5.00
7. Lining (a) Feeder	.. Km.	178.25	—	100	40.35	7.91	13.47	15.00
(b) Channels	Km.	150.0	..	100	..	..	26.67	30.00
8. Manpower requirement :								
(I) Unskilled	Peak No./mandays			15390/6930000				
(II) Skilled	..	..	Ditto	3390/924000				
(III) Engineers :								
(a) Diploma	..	..	Ditto	1080/294000				
(b) Graduates	..	..	Ditto	430/117600				

STATEMENT I. F.— 4 (Contd.)

2. MAUDAHA DAM

1. Brief description, location and districts benefited. Earthen Dam 3.48 km. Long, maximum height 22 meter on river Birma in village Chhani, district Hamirpur. Masonry spillway designed for discharges of 11328 cusecs. Length of Main Canal 48 km. of 15 cusecs discharge, remodelling of channels—56 km. New Channels 418 km. C. C. A.—41117 hectares. Proposed Irrigation Rabi—23762 Hectare. Kharif—3937 hectares. Total 27699 hectares in Hamirpur District.
2. Date of commencement. 1976-77.
3. Target date of completion. Eighth Plan.
4. Various main component of the project completed upto 1984-85 and proposed for 1987-88 and 1988-89. The details of expenditure and outlay for the seventh plan may be indicated as below :
5. The details of expenditure and outlay for the Seventh Plan. ..

PART I —EXPENDITURE

(Rupees in Lakh)

Item	Latest cost 1985	Expenditure upto end of	Phasing of outlays					Remark
			Expenditure in the Seventh Five Year Plan(1985—90)					
			1985-86	1986-87	1987-88	1988-89	1989-90	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A. Land compensation	.. 450.0	118.0	10.0	10.0	60.0	60.0		The project provision for establishment Chahrges has been made at 11 % against the actual requirement at 21 % at present.
B. Head works	.. 1727.0	444.0	229.00	271.0	308.0			
C. Main Canals	... 372.0	220.0	13.0	25.0	25.0			
D. Distribution System upto 5/8 ha, blocks	338.0	70.0	4.0	21.0	20.0			
Lining :						600	600	
(i) Main Canal	.. 27.0	..	..	..	5.0		
(ii) Distribution system	..	..	..	..	..
(iii) Establishment	.. 356.0	202.0	71.0	69.0	87.0			
(iv) Other item	.. 474.0	419.0	55.0	..	(—)5.0			
	3744.0*	1473	3447	396	500	600	600	

*Estimated cost is being revised

STATEMENT I. F. —4 (Contd.)

PART II—PHYSICAL PROGRESS AND PROGRAMME

Item	Unit	Total estimated quantity	works done to end of 1984-85	Seventh Plan targets (%)	1985-86 Achievement (%)	1986-87 achievement (%)	1987-88 Anticipated achievement (%)	(1988-89) Targets (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Head works :								
(i) Excavation	.. Lakh M3	4.6	45.70	54.30	15.70	17.40	21.10	0.10
(ii) Concreting	.. ' '	1.43	..	99.30	0.07	28.00	35.00	30.00
(iii) Masonary	.. ' '	21.9	56.30	27.20	16.50	9.10	9.10	5.00
(iv) Earth work	.. ..	..	..	..	..	..	..	..
2. Main Canals :								
(i) Earth Work	.. ' '	28.5	65.60	29.4	9.5	7.0	7.0	5.0
(ii) Lining	.. ' '	0.32	..	80.0	..	..	20.0	30.0
(iii) Cross Drainage structures	Nos.	38	71	29	..	5	10	10.0
3. Distribution System :								
(i) Length	.. Km.	474	} 25	70	5	15	15	2.0
(ii) Quantity of Earth work	Lakh M3/	19.5						
(iii) No. of structures	.. Nos.	940	19.25	77.44	3.3	8.5	11.70	25.0
4. Manpower requirement category (peak no. /Mandays)	.. ..	..	..	..	..	..	50001 7.0 lakhs	
5. Reasons or lag in utilisation of the potential created to end of 1984-85 for different reaches.	Potential has yet been created.							

STATEMENT I. F.—4 (Contd.)

3. OKHLA BARRAGE

1. Brief description, location and districts benefited. The present weir at Okhla is 100 years old. It was practically difficult to regulate supplies of river Yamuna during rainy season. To provide additional supplies for rice irrigation for Agra Canal, the construction has been proposed 2.25 km. d/s of the present weir at the cost of Rs. 39 crores.
2. Date of commencement 1978-79.
3. Target date of completion 1989-90.
4. Various main components of the project completed upto 1986-87 and proposed for 1987-88 and 1988-89. Works completed upto 1984-85—About 90 per cent.
Works of Main Barrage and upper tenants Guide and Afflux Bunds, Link Channel, Head regulator.
Works completed during 1985-86 balance works of main barrage, seepage drains of Afflux Bunds, Ty. Bridge on link Channel, Miscellaneous works, Plantation roads, railings etc., and Buildings.
Works proposed in 1987-88—Balance payment of Land, Jasola drain, colony and seepage drains, Buildings, roads, EW in Agra Canal etc. and preliminary works.
Works proposed in 1988-89—Preliminary works, Earth Work of Agra Canal, roads etc. and buildings.
5. The details of expenditure and outlay for the Seventh Plan.

PART I—EXPENDITURE

(Rupees in lakh)

Item	Latest Cost	Expenditure upto end of 1984-85	Phasing of outlays				Expenditure in the Seventh Five-Year Plan (1985-90)	
			1985-86	1986-87	1987-88	1988-89	1989-90	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
1. Preliminary	4.56	2.46	..	2.00	0.10			
2. B—Land	328.42	223.21	42.08	40.03	..			
3. C—Work	2544.42	2415.51	27.62	63.61	21.80			
4. K—Building	111.67	60.33	16.92	23.59	5.83			
5. L—Earth Work	116.52	11.24	27.04	23.39	17.17			
6. M—Plantation	5.00	4.00	..	1.00	..	45.00	6.00	
7. O—Miscellaneous	215.23	110.71	53.18	21.70	20.00			
8. P—Maintenance	31.73	25.96	3.68	1.76	..			
9. Q—Equipment	6.51	6.10	0.41	..	..	
10. R—Communication	140.59	23.02	53.85	..	19.00			
11. Losses on stock	7.91	..	7.64	..	..	
11-A. Total of Works	3512.56	2282.54	232.42	177.08	83.90	45.00	6.00	
12. Over head charges	393.26	424.46	51.58	40.92	16.10	—	—	
13. GRAND TOTAL	3905.82*	3307.00	284.00	218.00	100.00	45.00	6.00	

*Estimated cost is being revised.

STATEMENT I. F.—4 (Contd.)

—PART II—PHYSICAL PROGRESS AND PROGRAMME

Items	Unit	Total estimated quantity	Works done to end of 1984-85 (%)	Seventh Plan target (%)	Achievement of 1985-86 (%)	1886-87 Achievement (%)	1987-88 Anticipated Achievement (%)	1988-89 Targets (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. A—Preliminary ..	L. S. Job		55	45	..	43	2	..
2. B—Land ..	Hectares	263	100	..	..	..	..	..
3. C—Works ..	Nos.	20	95	5	1	2.0	1.0	1.0
4. K—Buildings ..	Nos.	170	54	46	15	20.0	10.0	1.0
5. L—Earth-work ..	Lac M3	4.14	10	90	23	40.0	15	8.0
6. M—Plantation ..	Nos.	5000	80	20	..	10	..	10.0
7. O—Miscellaneous ..	L. S. Job		51	49	25	10	10	1.0
8. P—Maintenance ..	L.S. Job]		82	18	12	6	..	..
9. Q—Equipment ..	L. S. Job]		94	6	6	..	..	..
10. R—Communication ..	KM and Job	15 and Job	6	94	38	..	28	28.0

6. Reasons for lag in utilisation of the potential created to end of 1984-85.

No potential is proposed, since it is a replacement work of a more than 100 years old weir which has served its purpose well for diverting River Yamuna Water into Agra Canal.

Sub. National Systems Unit,
National Institute of Educational
Planning and Administration
17 E, Saket Road, New Delhi-110016
 DOC. No.....
 Date.....

STATEMENT I. F.—4 (Contd.)

4. GYANPUR PUMP CANAL

- | | |
|---|--|
| 1. Brief description, location and districts benefitted. | The project envisages construction of a pump on river Ganga near village Kehuni in district Allahabad. 1350 cusecs water shall be pumped from river Ganga. It is proposed to install 10 numbers pumps of 150 cusecs capacity each with one number as stand bye 73.5 km. of main canal and branches and 533 km. of distribution system are to be constructed under this projects 65,415 hectares of land in districts Allahabad, Mirzapur and Varanasi shall be benefitted by the scheme. |
| 2. Date of commencement | 1976-77. |
| 3. Target date of completion | Eighth Plan. |
| 4. Various main Components of the projects completed upto 1985-86 1986-87 and proposed for 1987-88 and 1988-89. | 75 per cent work of Head works and 50 per cent work of distribution system has since been completed upto 1986-87. All the remaining work shall continue during the year 1987-88 and 1988-89. The work is proposed to be completed by the end of 1992-93. |
| 5. The Details of expenditure and outlay for the Seventh Plan. | |

PART-I—EXPENDITURE

(Rupees in lakh)

Item	Latest cost	Expenditure upto 1984-85	Phasing of outlays / Expenditure in Seventh Five Year Plan (1985—90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Head Works							
2. Construction of Chamels							
(i) Land							
(ii) Length							
(iii) Masonary							
(iv) Lining	7339	1698	546	564	400	750	1000
(v) Buildings							
(vi) Other items							
(vii) Drains							
(viii) Guls							
Total	7339	1698	546	564	400	750	1000

STATEMENT I. F. —4 (Contd.)

PART-11—PHYSICAL PROGRESS AND PROGRAMME

(Rupees in lakh)

Item	Unit	Total estimated quantity	Work done to end of 1984-85	Seventh Plan Target	1985-86 Achievement	1986-87 achievement (%)	1987-88 Anticipated Achievement (%)	1988-89 Target (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Foundation	.. ..	..	100	..	..	..	..	..
2. Pump house sub-structure	Job	1	80	20	20	..	..	..
3. Super structure	.. ..	1	20	80	10	55	15	..
4. Trough Concreting	.. CM	2200	100	..	..	..	..	..
5. Trough masonry	.. Do.	850	100	..	..	..	..	..
6. Approach Bridge concrete	.. Do.	900	60	40	10	30	..	..
7. Anchor well concrete	.. Do.	2200	70	30	10	20	..	..
8. Slope protection	.. Job	1	70	30	5	20	5	..
9. Delivery tank	.. Job	1	100	..	..	..	..	..
10. Mechanical work	.. Job	1	..	100	80	10	10	..
11. Building :								
(i) Permanent	.. Job	1	60	40	10	10	10	5
(ii) Temporary	.. Job	1	85	15	5	5	5	..
12. Main Canal and Distribution System :								
(i) Earth work	.. Lac CM	100	38	50	5	10	15	10
(ii) Pucca work	.. No.	800	28	50	10	10	15	5
(iii) Land	.. Hects.	1960	15	85	20	10	20	20
13. Drains	.. Km.	350	12	90	2	2	20	..
14. Field channels	.. ..	N. A.	..	40	..	..	5	..
Man Power requirement :								
(i) Un-skilled	.. Mandays						1829000	
(ii) Skilled	.. Mandays						376000	
(iii) Engineers :								
(a) Diploma holders	.. Mandays						73000	
(b) Graduates	.. Mandays						29000	

STATEMENT I. F.—4 (Contd.)

S. EASTERN GANGA CANAL

1. Brief description, location and districts benefitted. Eastern Ganga Canal Project envisages the utilisation of surplus water of river Ganga during monsoon season to provide rice irrigation to 105 thousand hectares in a culturable commanded area of 233 thousand hectares in districts Bijnor and Moradabad of U. P. The project provides the construction of 48.55 km. long main canal from Bhimgoda barrage at Hardwar; five branches having a length of 149 km. and 1434 km. long distribution system. In its head reach, the main canal passes through 772 metre long tunnel. The main canal is to be lined from head to 33.66 km. The work on this project was started during 1980-81 and is proposed to be completed by June 1992. The latest revised cost is Rs. 16900 lakh and the revised project has been submitted to C. W. C., New Delhi. An expenditure of Rs. 3574 lakh has been incurred on this project to the end of Sixth Plan. The up-to-date allotment on the project for the year 1987-88 is Rs. 1800 lakh.
2. Date of commencement January 1981.
3. Target date of completion Eighth Plan.
4. Various main components of the project completed up to 1984-85 and proposed for 1987-88 and 1988-89. The construction of main canal is in advanced stage. Construction of Chandok branch and Najibabad branch and their distribution system is also in progress. The progress up to 1984-85 and proposed targets for 1987-88 and 1988-89 are given below :
4. The Details of outlays and expenditure for the Seventh Plan.

PART I—EXPENDITURE

(Rupees in lakh)

Item	Latest cost	Expenditure upto 1984-85	Phasing of outlays/expenditure in Seventh Five Year Plan (1985-90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Land	2937	266	131	179	365		
2. Head works	180	150	30	..	..
3. Main Canal and Branches	..	..	..	..	..
(i) Main Cannal	6002	2437	843	942	577		

STATEMENT I.F.—4 (Contd.)

(Rupees in lakh)

Item	Latest cost	Expenditure up to end of 1984-85	Phasing of outlays/Expenditure in Seventh Five Year Plan (1985—90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(ii) Chandock Branch	..	223	61	45	50	38	} 2200 2800
(iii) Nagibabad Branch	..	328	52	49	60	55	
(vi) Nehtaur Branch	..	543	16	26	30	50	
(v) Alawalpur branch	..	187	3	1	20	30	
(vi) Nagina Branch	..	228	3	..	10	30	
4. Distribution System—	
(i) Chandock system	..	273	8	22	30	60	
(ii) Nagibabad system	..	259	12	15	30	55	
(iii) Nehtaur system	..	808	..	..	3	10	
(iv) Alawalpur system	..	245	..	..	..	5	
(v) Nagina system]	..	269	..	..	..	5	
5. Lining—							
(i) Main Canal	..	1802	48	58	80	200	
(ii) Distribution System	
6. Field Channels from 5 to 8 hectares	..	252	..	..	..	20	
7. Other Item	..	364	..	..	..	40	
8. Establishment and overheads	..	2000	518	280	264	240	
Total	..	16900	3574	1500	1698	1800	2200 2800

STATEMENT I.F.—4 (Contd.)

PART II—Physical Progress and Programmes

Item	Unit	Total estimated quantity	Works done to end of 1984-85	Seventh Plan Targets	1985-86 Achievement	1986-87 Achievement	Anticipated achievement 1987-88	Target for 1988-89
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Head works	Job.	Job.	100%	..	..	..	..	..
2. Main Canal								
(i) Earth work	Lac M ³	57.67	38.67	19.20	6.06	5.20	6.94	1.00
(ii) Pucca works	Nos.							
(a) Silt ejector	No.	1	..	100%	10%	60%	20%	10%
(b) Bridges	No.	18	5C+4P	13C	1P	3C+6P	3C+5P	4C+30P
(c) X-drainage works	No.	24	40%	60%	25%	20%	10%	5%
(d) Rly. crossing	No.	2	1C	1C	..	1P	1C	..
(e) Regulators	No.	4	1P	4C	1P	3P	2C+1P	1C+1P
(f) Escapes	No.	2	..	2C	1P	2P	2P	2P
(g) Lining	Km.	32.2	1.0	25	0.7	2.5	7	7
3. Branches (149 kms.)								
(A) Chandok Branch (22 kms.)								
(i) Earth work	LacM ³	712	5.72	1.40	0.48	0.35	0.50	0.07
(ii) Masonary works	No.	30	13P	30C	1C+12P	7C+10P	1C+10P	2C+12P
(B) Najibabad Branch (25 kms.)								
(i) Earth work	LacM ³	6.47	4.78	1.60	0.66	0.6	0.20	0.14
(ii) Masonary works	No.	44	..	40C+4P	2C+18P	10C+15P	12C+16P	12C+8P
(C) Nehtaur Branch (42 km.)								
(i) Earth work	LacM ³	19.61	1.15	16.00	3.35	2.0	2.00	2.00
(ii) Masonary work	No.	51	..	30C+15P	..	6P	4C+15P	6C+20P
(D) Alwalpur Branch (32 km.)								
(i) Earth work	Lac M ³	4.0	..	3.00	..	1.0	1.00	1.00
(ii) Masonary work	No.	34	..	20C+10P	..	4P	4C+10P	6C+12P

STATEMENT I.F.—4 (Contd.)

Item	Unit	Total estimated quantity	Works done to end of 1984-85	Seventh Plan Target	Achievement 1985-86	Anticipated achievement 1986-87	Anticipated achievement 1987-88	Target for 1988-89
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(E) Nagina Branch (28 kms.)								
Earth work	LacM3	5.93	..	3.40	..	1.0	1.00	1.0
Masonry works	No.	24	..	6C+12P	..	2P	2C+8P	2C+10P
4. Distribution System (1434 kms)								
A. Chandock system (221 kms.)								
(i) Earth work	LacM3	18.84	1.93	16.50	0.82	1.7	4.00	4.00
(ii) Masonary works	No.	472	4C+1P	300C+100P	23C+38P	17C+35P	50C+40P	100C+100P
B. Najibabad System (198 kms)								
(i) Earth work	-acM3	18.09	3.50	13.50	0.22	1.5	3.50	3.50
(ii) Masonary works	No.	406	..	180C+160P	2C+16P	15C+25P	40C+60P	50C+100P
C. Nehtaur system (615 kms.)								
(i) Earth work	LackM3	57.40	..	12.00	..	0.30	0.50	0.50
(ii) Masonary works	No.	1278	..	200C+200P	..	..	30P	30P
D. Alawalpur system (200 Kms.)								
(i) Earth work	LacM3	17.24	..	8.00	..	0.3	..	..
(ii) Masonary works	No.	425	..	45C+90P	..	..	5P	5P
E. Nagina System (200 kms.)								
(i) Earth work	LacM3	18.58		10.00	..	..	..	..
(ii) Masonary works	No.	420		80C—180P	..	..	5P	5P

6. MAN POWER REQUIREMENT (IN MANDAYS)

Year	1985-86		1986-87		1987-88		1988-89	
	Daily labour	Work charge	Daily labour	Work charge	Daily labour	Work charge	Daily labour	Work charge
Skilled	60,000	20,000	72,000	20,000	75,000	20,000	80,000	20,000
Unskilled	12,00,000	15,000	14,40,000	15,000	15,00,000	15,000	16,00,000	15,000
Total.	12,60,000	35,000	15,12,000	35,000	15,75,000	35,000	16,80,000,	35,000

STATEMENT I. F.—4 (Contd.)

6. INCREASING CAPACITY OF NARAINPUR PUMP CANAL

1. Brief description, location and districts benefitted.

The present capacity of pump canal shall be increased from 360 cusecs to 1800 cusecs. It envisages construction of Pucca pump canal on the right bank of river Ganga near village Narainpur in Tehsil Chunar of District Mirzapur. 14 numbers pumps of 150 cusecs capacity each with two stand-bye shall be installed to pump water to a lift of 20 metre. The project envisages the construction of 37.2 km. of main canal and 211.73 km. of distribution system and 285.0 km. of drains. The project estimated to cost Rs.3875 lakh will provide irrigation facilities to about 73.14 thousand hectares in Varanasi., Mirzapur, and Gazipur districts.

2. Date of commencement

1973-74.

3. Target date of completion

1989-90.

4. Various main components of the project completed up to 184-85 and proposed for 1987-88 and 1988-89.

The works of pump house, main canal and distribution system are in progress. Pump house is likely to be completed by the end of 1987-88, other works will continue during 1988-89.

5. The Details of Expenditure and outlay for the Seventh Plan.

PART I—Expenditure

(Rupees in 1 lakh)

Item	Latest estimated cost	Expenditure up to 1984-85	Phasing of outlays/ expenditure in Seventh Plan (1985—90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<i>(a) Land Compensation :</i>							
<i>(b) Head Works</i>							
<i>(c) Main Canals</i>							
<i>(d) Distribution system up to 5/8 hectares block</i>	3875	1977.00	348	299	400	500	275
<i>(e) Lining—</i>							
(i) Main Canal ..							
(ii) Distribution System							
(iii) Establishment							
(iv) Other items, if any							
Total ..	3875	1977.00	348	299	400	500	275

STATEMENT I. F.—4 (Contd.)

PART II—Physical Progress and Programmes

Item	Unit	Total estimated quantity of 1984-85	Work done to the end of 1984-85	Seventh Plan target %	1985-86 Achievement %	Achievement 1986-87 %	1987-88 Anticipated %	1988-89 Target %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Head works :								
(i) Pump House (Civil)	Job	1	80.9%	19.1%	8.4%	4.2%	6.5%	—
(ii) Mechanical works	.. Job	1	72.30%	27.7%	6.8%	7.9%	9.0%	4.0%
2. Main Canal, Distributaries and Minor								
(i) Land	.. Hects.	511	241.0	270.0	40.0	56	70	100
(ii) Length	.. Km.	663	240.00	423	19	27	60	75
(iii) Earth work	.. Lac M3	49.00	35.20	13.8	2.0	2.0	2.4	2.6
(iv) Masonary works	.. Nos.	1128	633	495	37	47	90	100
3. Drains	.. Km.	286	74.00	212.0	24.00	30.0	45.0	60
4. Guls	.. Hects.	67004	3500	63504	..	1500	2300	3000
5. Buildings	.. Nos.	53	30	23	..	2	2	10
6. Other Items	.. Job	100%	11.4%	88.6%	60.0%	3%	3%	20%

STATEMENT I. F.—4 (Contd.)

7. GANDAK CANAL, PHASE I

1. Brief description, location and districts benefitted.

This is a joint venture of Uttar Pradesh and Bihar. It envisages construction of a barrage (by Government of Bihar) across the River Gandak in Nepal Territory nearly 19 kms. away from the U.P. Nepal border. The State of Uttar Pradesh is concerned with the construction of main Western Gandak Canal in Uttar Pradesh from 18.9 kms. to 131.4 kms. along with its distribution system. The head discharge of the main Gandak Canal is 15,800 cusecs out of which U.P. share is about 7300 cusecs. The project will provide irrigation facilities to an area of 3.32 lakh hectares annually in district Deoria and Gorakhpur.

2. Date of commencement

1960-61.

3. Target date of completion

1989-90.

4. Various main components of the project completed up to the end of Sixth Plan and 1986-87 and proposed for 1987-88 and 1988-89.

The river training works in Nepal and in U. P. have been completed except some metalling and painting works of roads. The works of Main Canal have also been completed except some works of Telecommunication, lining etc. 3060 kms. length of canal out of 3256km. and 5287 No. of Pucca work out of 5612 No. distribution system have been completed up to 3/68. 2428 km. drains out of 2857 km. and 1404. Nos. of Pucca work out of 1604 No. of drains have been completed up to 3/86. The work of improvement of Little Gandak River is also in last stage. The remaining work shall continue during 1987-88 and 1988-89.

5. The Details of Expenditure and outlay for the Seventh Plan.

PART I—Expenditure			(Rupees in lakh)					
Item	Latest cost	Expenditure up to 1984-85	Phasing of Outlays/expenditure in Seventh Five Year Plan (1985—90)					
			1985-86	1986-87	1987-88	1988-89	1989-90	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
1. A : Preliminary								
2. B : Land								
3. Main canal and Appurtenant work								
4. K : Buildings								
5. R : Communication	13947	10423	354	364	400	500	600	
6. Special T and P								
7. Establishment								
8. O : Miscellaneous								
9. Other items, if any								
Total	13947	10423	354	364	400	500	600	

STATEMENT I. F.—4 (Contd.)

PART II—Physical Progress and Programmes

Item	Unit	Total estimated quantity	Works done to the end of 1984-85	Seventh Plan target (%)	1985-86 Anticipated (%)	1986-87 Achievement	1987-88 Anticipated Achievement	1988-89 Target %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. River Training Works :								
(i) Nepal	.. Km.	27.98	82.80	17.20	9.40	7.80	..	..
(ii) Uttar Pradesh	.. Km.	13.45	93.80	6.20	1.50	4.70	..	..
2. Western Gandak Canal	.. Km.	112.50	97.50	2.50	1.00	1.50	..	..
3. Distribution System :								
(i) Length	.. Km.	3256.00	92.60	7.40	1.40	0.90	2.50	2.0
(ii) Pucca work	.. Nos.	5612.00	91.90	8.10	2.30	0.50	2.20	2.6
4. Drains :								
(i) Length	.. Km.	2857.00	83.40	16.60	1.60	1.2	..	..
(ii) Pucca works	.. Nos.	1604.00	72.25	27.75	2.80	4.5	..	..
5. Little Gandak Improvement works :								
(i) Bridges on river	.. Metres	835.00	100.00	..	..	..	..	..
(ii) Bunds	.. Km.	114.00	97.95	2.05	0.6	0.2	..	..
(iii) Pucca works (regulators)	Nos.	87.00	90.80	9.20	3.40	5.80	..	..
(iv) Anti-erosion works	.. Nos.	86.00	74.40	25.60	8.50	5.80	..	..
(v) Soling	.. Km.	50.00	80.00	20.00	..	..	..	..
(vi) Work on Khajuria Branch	Job	1.00	86.10	13.90	..	..	..	..
6. Augmentation Tubewells	.. Nos.	226.00	..	100.00	22.10	8.9	9.00	10.0

STATEMENT I.F—4 (Contd.)

8. SONE PUMP CANAL

- | | |
|---|---|
| 1. Brief description, location and districts benefitted. | The project envisages the construction of a pump house at the left bank of River Sone in Tehsil Robertsganj in district Mirzapur. It is proposed to lift 660 cusecs of water through 12 pumps including 1 numbers stand bye of 60 cusecs each to 160 metre in four stages. it shall provide additional irrigation to an area of 30.06 thousand hectares in district Mirzapur. |
| 2. Date of commencement | 1973-74. |
| 3. Target date of completion | Seventh Plan |
| 4. Various main components of the project Completed up to Sixth Plan 1984-85 and proposed for the year 1987-88 and 1988-89. | All Civil Work except slope pitching of stage-I and II has almost been completed. In the first stage two pumps have been installed. Remaining installation works of stage I and II are in progress. Works of pump house of stage III and IV are in progress and the same work shall continue during 1987-88 and 1988-89. |
| 5. The Details of expenditure and outlay for the Seventh Plan | |

PART I—Expenditure

(Rupees in lakh)

Item	Latest cost	Expenditure up to end of 1984-85	Phasing of outlays/Expenditure in the Seventh Five Year Plan (1985—90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. A : Preliminary							
2. B : Land							
3. Pump house and appurtenent work							
4. K-Buildings	2963	1854	262	297	300	134	116
5. R-Communication							
6. Establishment							
7. O-Miscellaneous							
8. Other items, if any							
Total	2963	1854	262	297	300	134	116

STATEMENT I. F.-4 (Contd.)

PART II—Physical Progress and Programmes

Item	Unit	Total estimated quantity of 1984-85	Work done to the end of 1984-85	Seventh Plan target (%)	1985-86 Achievement (%)	1986-87 Achievement %	1987-88 Anticipated achievement %	Target for 1988-89 %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Stage-I								
(i) Civil works	.. Job.	1	84	16	16	..	..	..
(ii) Pipe line	.. Metre	110	70	30	..	..	..	30
(iii) Energisation	.. Job.	1	25	75	5	5	25	40
(iv) Pumping set	.. No.	9	25	75	10	15	25	25
(v) Delivery Tank	No.	1	90	10	..	10	..	..
2. Stage-II								
(i) Civil works	.. Job.	1	95	5	5	..	..	..
(ii) Pipe line	.. Metre	90	25	75	..	..	25	25
(iii) Energisation	.. Job.	1	15	85	5	10	20	25
(iv) Pumping set	.. No.	12	25	75	10	15	25	10
(v) Delivery Tank	No.	1	100	..	..	..	..	..
3. Stage-III								
(i) Civil works	Job.	1	30	70	10	10	10	15
(ii) Pipe line	.. Metre	210	..	100	10	20	20	20
(iii) Energisation	.. Job.	1	5	95	..	25	25	25
(iv) Pumping set	No.	12	20	80	..	10	20	20
(v) Delivery	.. No.	1	60	40	40	..	..	..
4. Stage-IV								
(i) Civil works	.. Job.	1	35	65	..	5	20	10
(ii) Pipe line	.. Metre	60	..	100	10	20	20	10
(iii) Energisation	.. Job.	1	5	95	10	20	15	10
(iv) Pumping set	.. No.	12	25	75	..	5	20	10
(v) Delivery Tank	.. No.	1	100	..	..	..	..	..
5. Ghaggar Barrage	.. Job.	1	55	45	15	25	5	..
6. Distribution System								
(i) Main Canal	.. Km.	25.2	98	2	..	..	2	:
(ii) Earth work	.. Cum.	18.8	98	2	..	..	2	..
(iii) Lining	.. Km.	10.3	80	20	10	8	2	..

STATEMENT I. F.—4 (Contd.)

PART-II—Physical Progress and Programmes]

Item	Unit	Total estimated quantity 1984-85	Work done to end of %	Seventh Plan Target %	1985-86 Achievement %	1986-87 Achievement %	1987-88 Anticipated achievement %	Target 1987-89 %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
7. Other Item :								
1. V.R.B. and Falls	No.	10	95	5	3	2	..	--
2. Railway crossing	.. No.	2	60	40	10	25	5	--
3. Drainage crossing	No.	17	80	20	5	12	3	--
4. Minors	.. Km.	10	75	25	..	20	5	--
8. Buildings	.. No.	180	19	81	22	20	15	15
9. Man Power requirement ;								
(i) Un-skilled	..	Peak No./Mandays			784000			
(ii) Skilled	..	Ditto			161000			
(iii) Engineers :								
(a) Diploma Holders					31000			
(b) Graduates					1200			

STATEMENT I. F.—4-(Contd.)

9. SARJU NAHAR PARIYOJNA

1. Brief description, location and - - - The project envisages extension of districts benefitted. - irrigation facilities to Bahraich, Gonda, Basti and Gorakhpur Districts by utilising the surplus supplies of the river Ghagra, Sarju and Rapti in Ghaghra—Rapti—Rohini Doab. A link channel of 360 cusecs capacity will take off from left bank of river Ghaghra upstream of Girja Barrage and will join Sarju river. A barrage will be constructed on Sarju River from where Sarju Main Canal with 360 cusecs capacity will take off. For Trans-Rapti region a link canal of 95 cusecs capacity will take off from Sarju Main Canal and join Rapti river near Lakshmanghat where another barrage is proposed. Rapti Main Canal will take off from this barrage to feed Rapti Rohini Doab. Four pumped canals to use regenerated water and 1,000 augmentation tube-wells are also proposed to help in controlling the sub-soil water level. The project will create an irrigation potential of 14.04 lakh hectares in backward Eastern regions.
2. Date of commencement 1977-78.
3. Target date of completion Eighth Plan.
4. Various main components of the project completed upto 1986-87 and proposed for 1987-88 and 1988-89. Work of Sarju Barrage has been completed. About 91 per cent earth work on Sarju Link Canal with 80 per cent masonry works completed upto 1984-85. The work on Rapti Barrage, Guide Bund, Rapti Main Canal, Branches and pump canals were in progress during 1986-87. Work of Sarju Link Canal, Sarju Guide Bund, Sarju Main Canal, Branches, Rapti Link Canal, Rapti—Barrage, Rapti Guide Bund, Rapti Aflux Bund and pump canals will continue during 1987-88 and 1988-89.
5. The details of expenditure and outlay for the seventh plan.

PART I—Expenditure

(Rupees in lakh)

Item	Latest cost	Expenditure up to end of 1984-85	Phasing of outlays/expenditure in the Seventh Five Year Plan (1985-90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Head work ..	3689	3046	302	240	200	..	..
2. Main Canals ..	27946	10003	1121	1160	550	3500	..
3. Branches ..	26669	1521	833	564	1250	..	5000
4. Pump Canal ..	11296	730	305	400	500	..	..
Total ..	696000	15300	2561	2364	2500	3500	5000

STATEMENT I. F.—4 (Contd.)

PART-II—Physical Progress and Programmes

Item	Unit	Total estimated quantity 1984-85	Work done to end of %	Seventh Plan Target %	1985-86 Achievement %	1986-87 Achievement %	1987-88 Anticipated achievement %	Target 1987-89 %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
7. Other Item :								
1. V.R.B. and Falls	No.	10	95	5	3	2	..	--
2. Railway crossing	No.	2	60	40	10	25	5	--
3. Drainage crossing	No.	17	80	20	5	12	3	--
4. Minors	Km.	10	75	25	..	20	5	--
8. Buildings	No.	180	19	81	22	20	15	15
9. Man Power requirement :								
(i) Un-skilled	Peak No./Mandays				784000			
(ii) Skilled	Ditto				161000			
(iii) Engineers :								
(a) Diploma Holders					31000			
(b) Graduates					1200			

STATEMENT I. F.—4-(Contd.)

9. SARJU NAHAR PARIYOJNA

1. Brief description, location and districts benefitted.

The project envisages extension of irrigation facilities to Bahraich, Gonda, Basti and Gorakhpur Districts by utilising the surplus supplies of the river Ghagra, Sarju and Rapti in Ghaghra—Rapti—Rohini Doab. A link channel of 360 cusecs capacity will take off from left bank of river Ghaghra upstream of Girja Barrage and will join Sarju river. A barrage will be constructed on Sarju River from where Sarju Main Canal with 360 cusecs capacity will take off. For Trans-Rapti region a link canal of 95 cusecs capacity will take off from Sarju Main Canal and join Rapti river near Lakshmanghat where another barrage is proposed. Rapti Main Canal will take off from this barrage to feed Rapti Rohini Doab. Four pumped canals to use regenerated water and 1,000 augmentation tube-wells are also proposed to help in controlling the sub-soil water level. The project will create an irrigation potential of 14.04 lakh hectares in backward Eastern regions.

2. Date of commencement

1977-78.

3. Target date of completion

Eighth Plan.

4. Various main components of the project completed upto 1986-87 and proposed for 1987-88 and 1988-89.

Work of Sarju Barrage has been completed. About 91 per cent earth work on Sarju Link Canal with 80 per cent masonry works completed upto 1984-85. The work on Rapti Barrage, Guide Bund, Rapti Main Canal, Branches and pump canals were in progress during 1986-87. Work of Sarju Link Canal, Sarju Guide Bund, Sarju Main Canal, Branches, Rapti, Link Canal, Rapti—Barrage, Rapti Guide Bund, Rapti Afflux Bund and pump canals will continue during 1987-88 and 1988-89.

5. The details of expenditure and outlay for the seventh plan.

PART I—Expenditure

(Rupees in lakh)

Item	Latest cost	Expenditure up to end of 1984-85	Phasing of outlays/expenditure in the Seventh Five Year Plan (1985—90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Head work ..	3689	3046	302	240	200	..	..
2. Main Canals ..	27946	10003	1121	1160	550	3500	..
3. Branches ..	26669	1521	833	564	1250	..	5000
4. Pump Canal ..	11296	730	305	400	500	..	..
Total ..	696000	15300	2561	2364	2500	3500	5000

STATEMENT I.F.4 (Contd.)

PART II—Physical Progress and Programmes

Item	Unit	Total estimated quantity	Work done upto end of 1984-85 %	Seventh Plan. target %	1985-86 Achievement %	1986-87 achievement	1987-88 Anticipated Achievement	Target for 1988-89
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Head Works								
(a) Earth work	.. Lac M ³	1.525	1.095	0.225	0.230	0.10	0.10	..
(b) Concreting	.. „	1.600	1.555	0.04	0.04	0.01	00.01	..
(c) Masonary work	No.	124	82	42	14	12	5	5
2. Main Canals								
(a) Earth work	Lac M ³	779.00	390.00	389.00	12.38	38.93	29.00	30.00
(b) Masonary work	.. No.	183	45	28	8	14	3	3
(c) Distribution system	Km.	1371	..	1371	..	..	..	..
3. Branches								
(a) Earth work	Lac M ³	347.00	40.59	222.00	23.00	3.00	14.85	35.00
(b) Masonary work	No.	545	41	423	42	80	71	80
(e) Distribution system	Km.	5664	33	1000	176	50.00	70	70
4. Pump Canals								
(a) Pump house	No.	4	1.52	2.48	0.40	0.34	0.50	0.50
(b) Distribution system	Km	1557	24.00	557.00	88.00	50.00	100.00	100.00

STATEMENT I. F.— 4 (Contd.)

10. MADHYA GANGA CANAL (STAGE-I)

- | | |
|--|---|
| 1. Brief description, location and districts benefitted. | Project envisages diversion of 8280 cusecs Ganga waters during monsoon season at about 10 km west of Bijnor town and 10 km downstream of Reolighat for providing 178 thousand hectare paddy irrigation in the Ganga-Yamuna Doab comprising districts Muzaffarnagar, Meerut, Ghaziabad, Saharanpur, Bulandshahr, Aligarh, Etah, Mainpuri Mathura and Agra, Out of the above, 116 thousand hectares will be irrigated in the existing command of Upper Ganga Canal by giving additional discharge to it and 62 thousand hectares by two new system in district Bulandshahr and Aligarh. |
| 2. Date of commencement | April, 1978. |
| 3. Target date of completion | June, 1991. |
| 4. Various main components of the project completed upto 1984-85 and proposed for 1987-88 and 1988-89. | Madhya Ganga Barrage and appurtenant works and Main Canal have been completed by the end of 1984-85. Lakhaoti Main Branch with part of its distribution system to be completed by June 1987. 2000 cusecs water is being fed into Upper Ganga Canal and its Anupshahr Branch since 30th June 1986. |
| 5. The Details of expenditure and outlay for the seventh plan. | |

PART I—Expenditure

(Rupees in lakh)

Items	Latest cost	Expenditure upto end of 1984-85	Phasing of outlays/expenditure in the Seventh Five Year Plan (1985-90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) Land compensation	4464	2009	349	410	526	..	..
(b) Head works	3047	2727	126	42	50	..	..
(c) Main Canal and Branches :							
(i) Madhya Ganga Main Canal	5997	4927	552	160	125	..	..
(ii) Lakhaoti Branch	705	306	152	233	14	..	..
(iii) Mat Branch Feeder Canal	1297	894	174	82	80	..	..
(d) Distribution System :							
(i) Lakhaoti Branch System	1474	154	99	221	380	..	..
(ii) Mat Branch Feeder Canal System	1426	105	31	30	70	..	..
(e) Works on existing U.G.C. System :							

Statement I. F. 4 (Contd.)

(Rupees in lakh)

Item	Latest cost	Expenditure up to end of 1984-85	Phasing of outlays/expenditure of the Seventh Five Year Plan (1985-90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(i) Remodelling Anupshahr Branch	538	57	36	114	100	..	..
(ii) Remodelling Mat Branch	384	..	2	35	100	..	..
(iii) Remodelling Hathras Branch	539	..	..	..	100	..	..
(iv) Constructing Parallel feeder Channel	65	94	46	35	..	..	..
(v) Remodelling U.G.C. and its Dys nad Mrs.	106	81	17	5	3	..	..
(f) Lining :							
(i) Madhya Ganga Main Canal	491	Nil	45	279	167	2200	1000
(ii) Mat Branch Feeder Canal	169	Nil	Nil	Nil	..	..	..
(g) Distribution System upto 5/8 Hect. block (Water Courses)	262	Nil	Nil	Nil	20	..	..
(h) Other items	302	133	9	35	50	..	..
(i) Establishment I/c all other Overheads	2416	1794	377	308	215	..	..
Total (a to i)	22785	13281	2015	1889	2000	2200	1000

PART II—Physical Progress and Programmes

Item	Unit	Total estimated quantity	Work done to end of 1984-85	Seventh Plan target	1985-86 Achievement	Anticipated achievement 1986-87	1987-88 Anticipated Achievement	1988-89 Target
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Headworks :								
(i) Excavation	% cu.m.	785	785	Nil	Nil	..	Nil	..
(ii) Concreting	% cu.m.	205	205	Nil	Nil	..	Nil	..
(iii) Gate Installation	Nos.	38	38	Nil	Nil	..	Nil	..
2. Main Canal and Branches :								
(a) Madhya Ganga Main Canal								
(i) Earth work	% cu.m.	26400	24780	1620	543	188	400	400
(ii) Lining	Km.	10	Nil	10	1	7	2	..
(iii) Masonary works nos.	Nos.	102	82C+18P	2C+1P	17C+1P	1C+1P	1C+1P	1C+2P
Masonry work cost	Rs. lakh	3356	2726	570	306	101	60	50

STATEMENT I. F.—4 (Contd.)

PART II—Physical Progress and Programmes

Item	Unit	Total estimated quantity	Work done to end of 1984-85	Seventh Plan target	1985-86 Achievement	1986-87 achievement	1987-88 Anticipated achievement	1988-89 Target
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(b) Lokhaoti Branch								
(i) Earth work	%0 cu.m.	2957	1500	1457	878	471	108	
(ii) Masonary works Nos.	Nos.	70	33C+12P	25C+1P	11C+1P	..	3C+1P	..
Masonary works cost	Rs. lakh	388	139	249	79	160	6	4
(c) Mat Branch Feeder Canal								
(i) Earth work	%0 cu.m.	4400	3045	1355	863	328	140	24
(ii) Linning	Km.	20	Nil	Nil	Nil	Nil	Nil	Nil
(iii) Masonry works Nos.	Nos.	51	27C+19P	23C+1P	14C+6P	9C+1P	1P	2P
Masonary works Cost	Rs. lacs	819	639	155	92	36	20	7
3. Distribution System :								
(a) Lakhaoti Branch System								
(i) Length	Km.	1030	Nil	900	52	1.62	275	300
(ii) Earth work quantity	%0 cu.m.	7743	340	6500	299	668	2000	2000
(iii) No. of structures	Nos.	1629	98C	1400C	92C	207C	480C	500C
(b) Mat Branch Feeder Canal								
(i) Length	Km.	316	Nil	290	29	30	70	100
(ii) Earth work quantity	%0 cu. m.	2433	380	1800	111	280	450	500
(iii) No. of structures	Nos.	496	21C	426C	33C	15C	120C	150C
4. Works on existing U.G.C. System								
(a) Remodelling Anupshahr Branch	Job	100%	10%	83%	7%	21%	18%	25%
(b) Remodelling Mat Branch	Job	100%	Nil	79.5%	0.5%	9%	26%	25%
(c) Remodelling Hathras Branch	Job	100%	Nil	51%	Nil	Nil	18%	20%
(d) Constructing Parallel Feeder Channel	Job	100%	54%	46%	26%	20%	..	..
(e) Remodelling U.G.C. and its diversions and norms	Job	100%	76%	24%	16%	5%	3%	..
5. Manpower requirement category (Peak Nos./Mandays)								
				The man power requirement during 1987-88 will be—				
				Skilled— 1,20,000 Mandays				
				Unskilled— 20,80,000				
				Peak Nos.— 11,000				
6. Reasons for lag in utilization of the potential created to end of 1984-85.								
				The utilization of project potentials to commence only from July 1987.				

STATEMENT I. F.—4 (Contd.)
RAJ GHAT CANAL PROJECT

1. Brief description, location and districts benefitted.

Rajghat Project envisages construction of 11.3 kms. long and about 25.9 metre high earthen dam across Betwa River. The dam is situated 200metre upstream of causeway of Lalitpur,Chanderi Road in Tehsil and district Lalitpur, Left Flank of the dam lies in M.P. The dam will provide 53 TMC. of useable water out of which 9 TMC is reserved for committed uses of downstream of U.P. and M. P.Remaining 44 TMC. will be utilised equally by U. P. and M. P.. in providing irrigation facilities. Work of Rajghat Dam is being completed by Betwa River Board. Canals under Rajghat Project are being constructed by U.P. Government.The main systems being constructed are Rajghat Canal, Jakhlaun Pump Canal, Baragon Pump Canal, Jhansi Canal and Extension of Betwa and Gursarai Canals Systems. In addition to the irrigation facilities a part of the water available from the project will be used for drinking purposes and for cooling purposes in Parichha Thermal Power Station situated in Jhansi District .The project will benefit new area of Lalitpur and Jhansi districts together with extension of irrigation facilities in Betwa and Gursarai Canal in District Jhansi, Jalaun and Hamirpur. The Project will provide irrigation facilities to an area of 1,08,064 hectares. Rajghat Canal will off take from Rajghat Dam itself, Jakhlaun Pump Canal will off-take from 16 kms. Up stream of Rajghat Dam, Jhansi Canal will of take together with Datia Carrier Canal of M.P. from Dhukwan Dam, Baragon Pump Canal is situated up areas of Parichha reservoir while extension of intensive of irrigation in Betwa and Gursarai Canal systems will be done through existing Betwa canal System after constructing some new channels and remodelling the existing ones. 1973.

2. Date of commencement
3. Target date of completion
4. Various main components of the project completed upto 1984-85 and proposed for 1987-88 and 1988-89.

EIGHTH PLAN

Bada Gaon Pump Canal and 80 per cent work of modernisation of canals has been completed. The work of Jakhlaun Pump Canal is nearly completion. More than 70 per cent work of

STATEMENT I. F.—4 (Contd.)

the uppr Rajghat canal has been completed. All the remaining work except the work of Lower Rajghat canal shall continue during 1987-88 and 1988-89.

5. The details of expenditure and outlay for the Seventh Plan.

PART I—Expenditure

(Rupees in lakh)

Item	Latest cost	Expenditure upto end of 1984-85	Phasing of outlays/expenditure in the Seventh Five-Year Plan (1985—90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<i>Jakhlaun Pump Canal</i>							
(a) Land compensation	.. 33.49	₹ 21.15	..	2.00	4.60		
(b) Head works	.. 788.16	₹ 104.19	₹ 18.52	7.0	80.00		
(c) Main Canals	.. 214.29	120.80	18.23	14.50	10.00		
(d) Distribution system	.. 258.610	₹ 88.48	₹ 10.27	14.00	16.00	270	290
(e) Lining :							
(i) Main Canal	.. 156.260	128.55	4.27	4.50	..		
(ii) Establishment	.. 202.330	118.82	11.96	9.00	29.40		
Total	.. 1653.15	572.00	63.95	51.00	140.00	270.00	290
<i>Upper and Lower Rajghat Canals</i>							
Lower and Upper Rajghat Canals	.. 2875.52	226.72	23.12	27.00	24.00	40.00	55
Establishment charges	.. 355.44	34.30	7.93	5.00	6.00		
Total	.. 3230.96	261.02	31.05	32.00	30.00	40.00	55
<i>Jhansi Canal</i>							
(a) Main Canal	.. 693.58	..	..	..	..	..	..
(b) Distribution system	.. 124.83	..	..	..	..	..	..
(c) Establishment charges	.. 104.98	..	..	..	..	..	..
Total	.. 923.39	..	..	..	..	..	..
<i>Baragaon Pump Canal</i>							
<i>Extension of Betwa on Gursarai Canal System</i>							
(a) Head works	.. 71.36	69.00	1.00	..	..	..	..
(b) Main Canal	.. 891.81	237.00	25.00	33.00	13.00		
(c) Distribution system	.. 792.30	73.00	20.00	18.00	8.00	40.00	55
(d) Establishment charges	.. 218.00	115.98	9.00	7.00	6.00		
(e) Other items	.. 7.77	71.00	6.00	12.00	3.00		
Total	.. 1981.24	565.98	61.00	70.00	30.00	40.00	55
GRAND TOTAL	7788.74	1399.00	156.00	153.00	200.00	350.00	400

STATEMENT I. F.—4 (Contd.)

PART II—Physical Progress and Programmes

Items	Unit	Total estimated quantity	Work done to end of 1984-85 (%)	Seventh Plan Target (%)	1985-86 Achievement (%)	1986-87 -achievement (%)	1987-88 Anticipated Achievement (%)	1988-89 Target
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<i>Jakhlaun pump Canal</i>								
1. Head works, installation of pumps and Transmission.	Job.	Job.	15%	21%	2%	1%	10%	8%
A. <i>Main Canal</i>								
(i) Earth work	.. Lac M ³	8.90	56%	33%	9%	6%	5%	6%
(ii) Lining	— „	3.00	82%	5%	3%	3%	..	..
3. <i>Distribution Systems</i>								
(i) Length	... Km.	172.70	} 34.20%	} 39%	} 4%	} 5%	} 6%	} 10%
(ii) Quantity of earthwork	Lac M ³	15.00						
(iii) Number of structures	Nos.	428.00						
<i>Upper and Lower Rajghat Canals</i>								
(i) Earth work	.. % M ³	6609	1087	1250	100	75	75	250
(ii) Masonary works	Nos.	222	35	6	4	2	..	..
<i>Jhansi Canal</i>								
(i) Earth works	... % CM ³	3981	..	..	..	..	..	..
(ii) Cross Drainage works	Nos.	59	..	..	..	..	..	..
<i>Baragaon Pump Canal and extension of Betwa and Gursarai Canal</i>								
1. Head works	... Nos.	1	..	..	..	..	..	..
2. <i>Main Canals</i>								
(i) Earth work	.. % OM ³	4650	2750	1500	700	132	70	100
(ii) <i>Cross Drainage Structures</i>								
(a) Nos.	(Nos.	242	111	50	16	11	3	5
(b) Cost	.. Lakh Rs.	412	114	58	25	18	5	10
3. <i>Distribution System</i>								
(i) Length	.. Km.	981	233	76	40	19	1	5

STATEMENT I. F.—4—(Contd.)

12. REMODELLING BHIMGODA HEAD WORKS

1. Brief description, location and districts benefitted.

Bhimgoda Head Works was constructed in 1920 and is now unsafe. The project envisages construction of new barrage, 150 metre downstream of existing weir and dismantling the existing weir. The length of barrage is 453.5-metre.

2. Date of commencement

1972-73.

3. Target date of completion

1989-90.

4. Various main components of the project completed up to end of 1986-87 and proposed for 1987-88 and 1988-89.

The work of barrage has been almost completed along with Guide Bund and link centpercent excavation of Haridwar dam and 18 per cent work of dismantling of existing weir has been completed. Miscellaneous works such as construction of Head of old supply channel, expansion of power and wing wall of Bhimgoda Head works. Construction of Link channel and Ghat etc. shall continue during 1987-88 and 1988-89.

5. Details of expenditure and outlay for the Seventh Plan.

ART I—Expenditure

(Rupees in lakh)

Items	Latest cost	Expenditure upto 1984-85	Phasing of outlays/expenditure in Seventh Five Year Plan (1985—90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. A—Preliminary	3202	2543	283	98	150	120	8
2. B—Land							
3. Barrage and appurtenant works							
4. K—Buildings							
5. R—Communication							
6. Special T and P							
7. Establishment							
8. Dismantling of existing weir							
9. Other items, if any							
Total	3202	2543	283	98	150	120	8

STATEMENT I. F.—4 (Contd.)

PART II—Physical Progress and Programmes

Items	Unit	Total estimated quantity	Work done to end of 1984-85 (%)	Seventh Plan Target (%)	1985-86 Achievement (%)	1986-87 Achievement (%)	1987-88 Anticipated Achievement (%)	1988-89 Target
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Preliminary Works	Job	1	100	..	..	..	..	..
2. Barrage and other works :								
(i) Excavation	Lakh M3	5.16	100	..	..	..	..	..
(ii) Concreting	.. M3	25000	100	..	..	..	..	..
(iii) Bridge	.. M3	456	100	..	..	..	..	..
(iv) Dismantling of existing weir	M3	25400	18	..	82	50	25	7
(v) Construction of Gates :								
(a) Fabrication ..	Nos.	22	91	9	9	..	..	..
(b) Errection	Nos.	22	50	50	50	..	..	..
(vi) Right head regulator	Nos.	1	63	37	37	..	..	..
(vii) Left head regulator ..	Nos.	1	100	..	..	..	..	..
[(viii) Guide bund	Job	1	100	..	..	..	..	..
(ix) Link Channel	Job	1	100	..	..	..	..	..
(x) Haridwar Dam :								
(a) Excavation	M3	30000	60	40	40	..	..	..
(b) Concreting (foundation)	M3	7600	68	32	32	..	..	..
(c) Concreting (Pier and Abutment)	M3	3000	58	32	32	..	..	..
(d) Gate	Sq. m.	360	42	58	58	..	..	..
3. Buildings								
(a) Permanent								
(i) Residential	Nos.	58	7	3	..	..	..	..
(ii) Non-Residential	Nos.	..	67	33	..	..	..	..
(b) Temporary								
(i) Residential	Nos.	128	100	..	..	..	..	..
(ii) Non-Residential	Nos.	4	100	..	..	..	..	..
4. Miscellaneous								
(i) Head of old supply Channels	Job.	1	..	100	40	30	40	20

STATEMENT I. F.—4 (Contd.)

PART II—Physical Progress and Programmes

Items	Unit	Total estimated quantity	Work done to end of 1984-85 (%)	Seventh Plan Target (%)	1985-86 Achievement (%)	1986-87 Achievement (%)	1987-88 Anticipated achievement (%)	1988-89 Target (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(ii) Construction of link channel and Ghat	Job.	1	--	100	40	10	25	15
(iii) Expansion of Floor and wing wall of Bhimgoda head works	M3	20000	--	100	--	--	40	40
(iv) New supply channel and miscellaneous item as railing scape etc.	Job.	1	--	100	15	--	25	40
<i>Man power requirements</i>								
(i) Un-skiled	Peak Nos./Mandays				261000			
(ii) Skilled	"				5300			
(iii) <i>Engineers</i>								
(a) Diploma Holders	"				10000			
(b) Graduates	"				4000			

STATEMENT I. F.—4 (Contd.)

13. INCREASING CAPACITY OF DEOKALI PUMP CANAL

1. Brief description, location and districts benefitted.

The project provides for increasing discharge of the existing main canal from 200 cusecs to 1080 cusecs. It is proposed to replace floating barrage system with a permanent pump house. Eight pumps of 150 cusecs capacity including one stand by are to be installed. Distribution system is also to be provided according to increased discharge. The pump house is situated at left Bank of river Ganga near Saidpur town in district Ghazipur. The project will provide irrigation benefits to an area of 73.600 hectares in district Ghazipur.

2. Date of commencement

1973-74.

3. Target date of completion

1989-90.

4. Various main components of the project completed upto 1986-87 and proposed for 1987-88 and 1988-89.

Pump house except bank protection work has been completed. The work on main canal and distribution system is in progress. The scheme is proposed to be completed by the end of the financial year 1989-90.

5. The Details of expenditure and outlay for the Seventh Plan.

PART I—EXPENDITURE

(Rupees in lakh)

Items	Latest cost	Expenditure upto end of 1984-85	Phasing of outlays Expenditure in the Seventh Five Year Plan (1985-90)				
			1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Head works							
2. Main Canal							
1. Length							
2. Land							
3. Masonary work							
4. Building							
3. Dys. and Minor							
1. Length							
2. Land							
3. Masonary work							
4. Equipment							
4. Buildings							
5. Other items							
6. Drains							
7. Guls							
8. Special T and P							
9. Over head							
Total	3875*	2004	207	249	300	300	171

*Estimated cost is being revised.

STATEMENT I. F.—4 (Contd.)

PART II—Physical Progress and Programmes

Items	Units	Total estimated quantity	Works done to end of 1984-85 %	Seventh Plan Targets %	1985-86 Achievement	1986-87 Achievement	1987-88 Anticipated Achievement	1988-89 Target %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<i>A—Head works</i>								
1. Pump House								
(a) Sub-structure	M ₃	15050	15050	..	..	..	..	..
(b) Super Structure	M ₃	5000	5000	..	..	..	..	..
2. Bank Protection	M ₃	8000	1500	500	500	..	..	..
3. Building	Nos.	82	32	50	..	8	8	10
4. Equipments	%	job	76.251 %	23.75 %	10 %	9.5 %	1.8 %	2.45 %
5. Other works	%	Job	1.0 %	99.0 %	..	2.8 %	1.4 %	60.0 %
<i>B—Main Canal</i>								
1. Land	Hects.	221	211	..	10	..	..	10
2. Length	Kms.	39.2	39.2	..	..	..	..	..
3. Masonary works	Nos.	64	54	2	10	2	..	4
4. Lining	Lac M ₃	12.7	2.05	4.75	10.65	..	2.02	2.0
5. Buildings	Nos.	37	..	..	..	11	6	15
6. Other works	%	job	15.0 %	3.60 %	85 %	2.6 %	13.3 %	50.0 %
<i>C—Dys and Minors</i>								
1. Land acquisition	Hects.	1349	833	516	31	110	150	200
2. Length	Kms.	608	364	244	34	55	46	59
3. Masonary works	Nos.	959	464	495	75	84	50	186
4. Building	Nos.	35	..	35	..	5	12	13
5. Equipment	%	job	17.5 %	82.5 %	29.3 %	17.5 %	1.7	30.0 %
6. Other works	%	job	49.0 %	51.0 %	6.3 %	5.9 %	13.0 %	20.0 %
D—Construction of Drains	Kms.	257	13	244	126	110	8.0	..
E—Construction of Guls	Kms.	139	..	139	..	3.6	36.0	60.0 %
F—Special T and P	L.S.	L.S.	66.0 %	34.0 %	..	..	..	30.0 %

STATEMENT I. F. (Contd.)

14. LAKHWAR VYASI DAM

1. Brief description, location and districts benefitted. It is a multipurpose project on river Yamuna. It envisages construction of :
- (i) 192 metre high concrete gravity dam at Lakhwar with a 300 MW. underground power station in the right abutment of the dam. It is 20 kms. upstream of Kalsi in district Dehradun.
 - (ii) 80 m. high concrete dam at Vyasi (5 kms. d/s of Lakhwar) with a 7 m. diameter 2.7 kms. long tunnel to carry water to 120 MW. power station at its terminal at Hathiari. The Lakhwar Reservoir will have a gross storage of 0.47 maft. and live storage of 0.27 maft.
 - (iii) A balancing barrage at Kata-pahar downstream of Hathiari power house.
- It will provide an additional irrigation benefits of 49570 hectares to districts-Saharanpur, Muzaffarnagar, Meerut, Mathura and Agra.
- The revised cost of the project is estimated to be Rs. 424.00 Crore. Sharing of this cost between irrigation and power will be Rs. 17000 lakh and 25400 lakhs respectively.
2. Date of commencement 1972-73.
3. Target date of completion. Eighth Plan.
4. Various main components of the project completed up to the end of 1986-87 and proposed for 1987-88 and 1988-89. Infrastructural works like construction of building for irrigation and U. P. S.E.B., Department, Approach Roads and concreting of diversion tunnel of Lakhwar Vyasi Dam were in progress during 1986-87. Works of completing of diversion tunnel Lakhwar and Vyasi Dam, Diversion tunnel and adits of Vyasi head race tunnel will be carried out during 1987-88 and 1988-89.
5. The Details of Expenditure and Outlay for the Seventh Plan.

STATEMENT I. F. 4 (Contd.)

PART I—Expenditure

(Rupees in lakh)

Item	Latest cost	Expenditure upto 1984-85	1985-86 Expenditure	Phasing of outlays/Expenditure in Seventh Five Year Plan 1985-90			
				1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. A—Preliminary							
2. B—Land							
3. Main Dam and Appurtenant Works							
4. K—Buildings	17000	2695	494	546	1500	1500	2500
5. R—Communication							
6. Special T and P							
7. Establishment							
8. O—Miscellaneous							
9. Other item if any							
Total, Irrigation	17000	2685	494	546	1500	1500	2500
Power	25400	2223	463	1000	1000	N.A.	N.A.
GRAND TOTAL	42400	4916	957	1546	2500	N.A.	N.A.

PART II—Physical Progress and Programmes

Item	Unit	Total estimated quantity	Works done to end of 1984-85 %	Seventh Plan Target %	1985-86 Achievement %	1986-87 achievement %	1987-88 Anticipated achievement %	1988-89 Target %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Preconstruction works								
(a) Surveying works	Job.	Job.	} 45%	} 15%	} 5%	} 6%	} 8%	} 2%
(b) Land Acquisition	Hects.	1627						
(c) Approach road, including submerged road	kms.	78.5						
(d) Buildings for irrigation Department Dehradun, Dakpathar	Nos.	943 (ph. I) 302 (Ph. II)						
(e) Building for Electricity Board (Dehradun, Dakpathar site)	Nos.	1646						
Main works								
(a) Diversion Tunnels and coffer Dam	Job.	..	} ..	} ..	} 50%	} 2%	} 5%	} 10%
(b) Lakhwar Dam	Job.	..						
(c) Lakhwar intake/penstock	"	..						
(d) Lakhwar Power House	"	..						
(e) Vyasi Dam	"	..						
(f) Vyasi intake/penstock	"	..						
(g) Vyasi Hathari Tunnel	"	..						
(h) Hathari surge tank/power House	"	..						
(j) Katapathar Barrage	"	..	..	15%	1%	0.4%	3%	3%
Main Power Requirements								
(i) Un-skilled	Peak Nos./Mandays	658, 500						
(ii) Skilled	"	309,000						
(iii) Engineers								
(a) Diploma Holders	"	42,000						
(b) Graduates	"	18,000						

STATEMENT I. F.—4 (Contd.)

15. TEHRI DAM

1. Brief description, location and districts benefitted. 260.5 metre high earth and rockfill Tehri Dam, will be located on river Bhagirathi in districts Tehri(U.P.) 1.5 kms. of confluence of Bhilangana and Bhagirathi river. It is a multipurpose projects. The reservoir will have 2615 million cum. storage storage at F. S. L. (R. L. 830 M) & Storage at D.S.L. 925 million cum. (R.L. 740 M.) The installed capacity for power generation will be 1000 M.W. in stage-I and other 1000 M.W. in Stage-II. Annual additional irrigation potential will be 2.70 lakh hectares on completion of the project. The revised cost of the project is estimated to be Rs. 1345.60 crores. Sharing of this cost between irrigation and Power will be Rs. 269.10 and Rs. 1076.50 crores respectively. Districts of Sharnapur, Meerut, Muzaffarnagar, Bulandshahr, Aligarh, Agra, Mathura, Mainpuri, Farrukhabad, Etawah, Etah, Moradabad, Bijnor, Kanpur, Fatehpur and Allahabad will be benefitted from this projects.
2. Date of commencement 1970-71.
3. Target date of completion Eighth Plan.
4. Various main components of the project completed upto 1986-87 and proposed for 1987-88 and 1988-89. Work of land acquisition and rehabilitation, infrastructural works and works pertaining to main dam viz: diversion tunnels, approach adits to Power House, stripping for dam and steel supports for head race tunnel were in progress during the year 1985-86 and 1986-87. The same works are to be carried out during 1987-88 and 1988-89 also.
5. The Details of Expenditure and outlay for the Seventh Plan.

PART I—Expenditure

(Rupees in lakh)

Items	Latest cost	Expenditure upto 1984-85	1985-86 Expenditure	Phasing of outlays/expenditure for Seventh Plan (1985—90)			
				1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. A—Preliminary							
2. B—Land							
3. Main Dam and appurtenant works							
4. K—Buildings							
5. R—Communication	26910	13321	535	997	1000	500	1200
6. Special T and P							
7. Establishment							
8. Miscellaneous							
9. Other tiems, if any							
Total, Irrigation	26910	13321	537	99	1000	500	1200
Power	107650	5490	936	2000	100	N.A.	N.A.
GRAND TOTAL	134560	18811	1471	2997	1100	..	..

STATEMENT I.F.—4 (Contd.)

PART II—Physical Progress and Programmes

Items	Unit	Total estimated quantity	Works done to end of 1984-85 %	Seventh Plan Target %	1985-86 Achievement %	1986-87 Achievement %	1987-88 Anticipated achievement	1988-89 Target %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A—LAND ACQUISITION AND REHABILITATION								
1. Acquisition of Private Lands								
(a) For project works and colonies	Hects.	250	57%	33%	..	10%	15%	5%
(b) For new Tehri Town	„	116	83%	17%	..	17%	..	..
(c) For 1st stage submergence	„	500	68.2%	36.8%	..	5%	10%	5%
2. Rural Rehabilitation								
(a) Development of Forest land	„	1700	68%	32%	7%	5%	..	5%
(b) Irrigation Facilities	„	1775	45.8%	54.2%	..	5%	10.0%	10%
(c) Rehabilitation of displaced, persons	Nos.	1800	67.2%	32.8%	..	5.5%	7.0%	10%
(d) Community buildings	Nos.	37	72.29%	27.71%	5.0%	5.0%	..	10%
3. Procurement of land								
(a) For rural rehabilitation	Hects.	1800	72.8%	27.2%	..	..	15%	5%
(b) For new Tehri Town	„	50	100.00%	..	..	..	..	..
4. New Tehri Town (Urban Rehabilitation)								
(a) Approach roads (Metalling and painting)	Kms.	25	76%	..	..	4.0%	20%	20%
(b) Terracing	.. Sq. Kms.	320	11%	89%	4%	3%	12%	3%
(c) Internal Roads	Kms.	35	19%	73%	..	10%	30%	10%
(d) Government office, building Blocks	Th. Sq. M.	260	27.6%	72.4%	..	15%	15%	5%
(e) Development of plots	Nos.	3000	0.7%	80.0%	..	15%	25%	5%
5. Acquisition of buildings :								
(a) In villages	Nos.	2950	50.0%	16.5%	6.5%	..	..	5%
(b) In Tehri Town	„	1000	2.0%	98.0%	5.0%	7.0%	50%	10%
B—INFRASTRUCTURAL WORKS :								
I—Project colonies :								
(a) Non-residential buildings	Nos.	570	39%	60%	1%	5%	10%	15%
(b) Residential buildings	„	11940	19%	80%	1%	5%	10%	10%

STATEMENT I.F.—4 (Contd.)

PART II—Physical Progress and Programmes

Items	Unit	Total estimated quantity	Work done to end of 1984-85 %	Seventh Plan Target %	1985-86 Achievement %	1986-87 Achievement %	1987-88 Anticipated Achievement %	1988-89 Target %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2. Workshops	Job.	Job.	50 %	40 %	10 %	10 %	20 %	..
3. Main stores	Nos.	80.00	34.00 %	66 %	16 %	10 %	20 %	10 %
4. Approach roads of the projects	Kms.	56.00	40.00 %	60 %	..	10 %	30 %	10 %
<i>C—Main works</i>								
1. <i>Left Bank Diversion Tunnel</i>								
(a) Excavation	(M ₃ ×10 ₃)	533.00	84 %	16 %	16 %	..	..	..
(b) Concreting	..	189.00	86 %	14 %	11 %	3 %	..	..
2. <i>Right Bank Diversion Tunnel :</i>								
(a) Excavation	(M ₃ ×10 ₃)	465.00	100 %	..	..	..	..	..
(b) Concreting	.. Ditto	194.00	100 %	..	..	..	..	..
4. Stripping of Dam site	Ditto	2550.0	21 %	50 %	3 %	5 %	35 %	5 %
5. Spill-way excavation	Ditto	6965.00	7 %	50 %	5 %	5 %	10 %	15 %
6. <i>Head Race Tunnel :</i>								
(a) Under Ground excavation	Ditto	480.00	52 %	48 %	11 %	10 %	17 %	5 %
(b) Concreting	Ditto	155.00	17.0 %	80 %	13 %	15 %	38 %	5 %
<i>D—Man Power requirement :</i>								
			Peak Nos./ Mandays					
(i) Un-skilled	.. Ditto	36260/9900000						
(ii) Skilled	.. Ditto	4840/1320000						
(iii) <i>Engineer :</i>								
(a) Diploma holders	.. Ditto	1540/420000						
(b) Graduates	.. Ditto	610/168000						

STATEMENT I. F.—4 (Contd.)

16. MODERNISATION OF UPPER GANGA CANAL

1. Name of project with brief description, location and districts benefitted. In case of multi-purpose and interstate projects, details of sharing of cost and benefits among various purposes and states may be indicated. For multipurpose projects, the actual payments made by participating states, the liabilities and the share of each participating state may be indicated. The programme approved by the Control Board etc. may be indicated.

Upper Ganga Irrigation Modernization Project has been conceived for the modernization of existing U. G. C. System.

The head work of the Upper Ganga Canal is located at Bhimgoda near Haridwar in district Saharanpur. The districts benefitted are Saharanpur, Muzaffarnagar, Meerut, Ghaziabad, Bulandshahr, Aligarh, Etah, Agra, Mathura and Mainpuri. The project comprises of construction of aligned parallel upper Canal from km. 5—7 to km. 291 of the existing canal modernization of all the branches and distribution system, lining of water courses upto 8 hectare blocks construction of Augmentation tube-well for conjunctive use of surface and groundwater and control of spring water table reconstruction of power houses on parallel main canal, construction of buildings drainage improvement provision of telecommunication network and establishment of water and land management institute. The total cost of the project in Rs. 1313.00 crore likely to be completed in 4 years. An additional potential of 2.82 lac hectare will be created by savings in water losses by lining of water courses, lining of system, and additional supplies from Augmentation tube wells.

An agreement has been signed with the World Bank on June 29, 1984 for Financing the project, in the 1st time slice of 6 years commencing from October 1984. Total cost of work to be executed during this period is Rs. 24977 lakhs. World Bank will give a credit of SDR 117.5 million.

October 1, 1984.

1st time slice on September 30, 1990.

Project works are under progress, Expenditure incurred upto 3/87 in Rs. 35.02 crores. During current financial year 1987-88 it is planned to incur on expenditure of Rs. 37.00 crores. The outlay proposed for 1988-89 is Rs. 50.00 crores. Total outlay for Seventh Plan is Rs. 206.91 crores.

2. Date of commencement
3. Target date of completion
4. Indicate the various main components of the projects completed upto 1984-85, 1985-86 and 1986-87 anticipated upto 1987-88, targets for 1988-89 are also to be indicated.
The details of the outlay and expenditure for Seventh Plan.

STATEMENT I. F.—4 (Contd.)

Part—I Expenditure

(Rupees in lakh)

Item	Latest cost	Expenditure up to end 1984-85	Phasing of outlay/Expenditure in Seventh Five year (1985-90)					1988-89	1989-90
			1985-86	1986-87	1987-88	1988-89	1989-90		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
(a) Land Compensation ..	6332.20	50	229	287	137	80	13	..	
(b) Head Works ..	..	..	..	..	..	..	..	..
(c) Main Canals ..	24771.00	358	394	953	1719	1500	2600	3400	
(d) Distribution System up to 5/8 hectares block.	28668.67	..	49	44	207	350	280	500	
<i>(e) Lining :</i>									
(1) Main Canal	7932.00	..	..	..	405	58	462	600
(2) Distribution System	40769.24	..	2	38	140	100	170	300	
(f) Drainage ..	3910.00	..	..	..	..	..	135	326
(iv) Walmi Telecommunication Building and Technical Services etc.	8965.14	9	197	263	475	489	507	2349	
Total	121348.25	417	871	1585	3088	2569	4167	7475	
(F) Establishment	9981.75	88	201	335	617	514	833	1485	
GRAND TOTAL	131330.00	500	1072	1930	3700	3083	5000	8960	

STATEMENT I. F.-4 (Contd.)

PART II—Physical Progress and Programme

Item	Unit	Total estimated quantity	Works done to end of Sixth Plan	Seventh Plan Targets	1985-86 Actual	1986-87 Actual	1987-88 Anticipated achievement	1988-89 Target
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Headworks :								
(i) Excavation	..							
(ii) Concreting	.. Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
(iii) Masonary								
(iv) Earthwork								
2. Main Canals :								
(i) Earthwork	TCM	12220	..	9270	330	971	3405	3500
(ii) Lining	.. TSM	4350	..	3300	..	..	160	500
(iii) Grass drainage Structures :	Nos.		..	1	..	..	..
(a) Nos.	Nos.	4(Major)	..	1	..	..	..	3P
(b) Cost	Lac. Rs.	5279	44	4000	48	159	910	1000
3. Distribution System :								
(i) Lenth	Km.	4114	..	4114	..	..	500	1000
(ii) Quantity of earthwork	TCM	974	..	974	6	43	250	300
(iii) No. of Structures	No.	316	..	316	..	3	45	100
4. Man power requirement (Peak No./Mandays)								
<i>Category :</i>								
(i) Skilled educated	Lac. No.	134.53	..	111.36	..	..	26.91	32.29
(ii) Unskilled and uneducated Engineer	Lac. No.	703.44	..	540.52	..	..	130.69	156.83
(ii) Graduate	Lac. No.	10.45	..	8.65	..	..	2.09	2.51
(iv) Diploma	Lac. No.	26.24	..	21.72	..	..	4.95	6.30

5. Please indicate the reasons for lag in utilisation of the potential created to end of 1984-85. No target has been fixed for 1984-85.

6. For externally, aided schemes such as World Bank USAI etc. information may be given as following follows. Year-wise phasing of share cost to be provided in state plan as per programme approved by the control board, as per Appraisal Report of World Bank.

1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)
11.01	19.30	37.00	50.00	60.00

STATEMENT I. F.—4 (Concl'd.)

7. Amounts actually proposed by the State Government. (Rupees in lakhs)

1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)
10.72	19.30	37.00	50.00	60.00
8. Please indicate past liabilities (if any).			NIL.	

STATEMENT I.F. 5

*Outlay and Expenditure
Flood Control, Drainage, Anti-River Erosion and Water logging Projects*

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest estimated cost	Expenditure to end of 1984-85	Seventh Plan (1985—90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
A—On going Schemes									
FLOOD CONTROL PROJECTS									
(A) PRE-SIXTH PLAN SCHEMES									
<i>(a) Marginal Embankment Schemes</i>									
Western Zone									
1. Flood protection works of NOIDA area (T-54)	Ghaziabad	1004.00	1004.00	713.93	290.07	21.00	19.58	39.77	50.00
2. Constructing Alipur bund (T-55)	Meerut/Ghaziabad	181.19	181.19	180.19	1.00	1.00	..	..	..
Total, Marginal Embankment Western Zone		1185.19	1185.19	894.12	291.07	22.00	19.58	39.77	50.00
Central Zone									
3. Constructing bund U/S of Harding Bridge T-2 (84)	Lucknow	364.41	910.57	324.41	327.59	30.00	103.88	159.89	205.73
Total Marginal Embankment Central Zone		364.41	910.57	324.41	327.59	30.00	103.88	159.89	205.73
Eastern Zone									
4. Protection of railway embankment (T-52)	Deoria	247.43	247.43	237.36	10.07	8.53	0.59	0.72	0.23
5. Strengthening of Chhitauni bund and Birbhar pur (T-52)	Deoria	231.57	231.57	215.08	16.49	14.20	0.17	14.00	..

(71)

STATEMENT I.F.-5 (Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure to end of 1984-85	Seventh Plan (1985-90) approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6. Turtipur Churia bund (T-58) ..	Deoria	39.62	39.62	22.85	16.77	4.00	8.38	..	4.00
7. Extension and Strength of Pipraghat Ahirauli dam bund (T-52)	Deoria	62.35	62.35	54.56	7.79	7.79	..	Project in Sectoral Project 6.89	..
8. Kharagpur Shahpur Supai bund	Gorakhpur	48.60	48.60	41.61	6.99	3.00	19.55	..	..
9. Bhowapur Bela Bund (T-53) ..	Gorakhpur	(Arrears of Land only)	9.86	..	..	..	11.62	..	..
10. Kauriram Malauli (T-66) ..	"	"	12.60	..	..	..	14.85	..	..
11. Distaulia Bund ..	"	"	0.53	..	..	..	0.63	..	..
12. Malauli Gajpur (T-59) ..	"	"	7.50	..	..	..	8.84	..	..
13. Shajanwa Dumaria Babu ..	"	"	0.53	..	..	..	0.62	..	..
Total, Marginal Embankment Eastern Zone		629.57	660.59	571.46	58.11	37.82	65.79	21.61	4.23
Total, Marginal Embankment Scheme		2179.17	2757.35	1789.99	676.77	89.82	189.25	220.47	259.96
(b) Town Protection Schemes									
Western Zone									
1. Master Plan of Bulandshahr (T-73)	Bulandshahr	62.00	111.56	55.63	55.93	15.00	..	15.91	16.00
Total, Town Protection Western Zone		62.00	111.56	55.63	55.93	15.00	..	15.91	16.00
Central Zone									
2. Constructing Gomti Barrage ..	Lucknow	459.78	550.00	469.90	80.10	7.50	..	12.73	20.00
Total, Town Protection Central Zone		459.78	550.00	469.90	80.10	7.50	..	12.73	20.00

Eastern Zone

3. Constructing Tons river advance bund and Strength of existing bund for protection of Azamgarh (T-64)	Azamgarh	157.62	319.43	130.91	188.52	59.72	74.56	54.09	
Total— Town Protection, Eastern Zone		157.62	319.43	130.91	188.52	59.72	74.56	54.09	..
Total, Town Protection Schemes ..		879.40	980.99	656.44	324.55	82.22	74.56	82.73	36.00

(c) Anti Erosion Schemes

Central Zone

1. Protection of Dalmughat (T-54) ..	Raebareli	17.58	17.58	15.84	1.74	1.74	..	..	..
Total, Anti Erosion, Central Zone		17.58	17.58	15.84	1.74	1.74	..	..	..
Total, Anti Erosion Schemes ..		17.58	17.58	15.84	1.74	1.74	..	..	..
Total, Flood Control Schemes ..		3076.15	3754.92	2462.27	1003.06	173.78	263.81	309.20	295.96

DRAINAGE SCHEMES

Western Zone

1. Remodelling Hulwana drain/Goverda drain	Mathura	1515.00	2430.00	466.21	500.00	..	..	7.95	10.00
2. Remodelling Jamau/Pirsua drain and construction of other new drain (T-56)	Mathura/Aligarh	143.45	143.45	111.29	32.10	32.10	2.95	0.05	10.06
3. Remodelling of Raye, Biyohi and Bihari drain (T-59)	Mathura	98.50	98.50	85.63	4.00	4.00	..	3.98	..
Total, Drainage Western Zone		1756.95	2664.95	663.13	536.10	36.10	2.95	11.98	10.06

Central Zone

4. Remodelling of Kalyani nadi (T-67)	Barabanki	49.40	49.40	24.03	25.37	..	..	8.27	17.00
Total, Drainage, Central Zone ..		49.40	49.40	24.03	25.37	..	..	8.27	17.00

STATEMENT I.F.-5 (Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cast	Expenditure to end of 1984-85	Seventh Plan (1985-90) approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated Expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Eastern Zone									
5. Constructing Yamuna drain (T-53) ..	Ballia	25.10	25.10	11.65	13.45	4.00	1.89	6.36	2.00
6. Remodelling Bheri drain (T-53) ..	Ballia	40.22	40.22	26.00	14.22	4.72	1.89	6.36	1.20
7. Constructing Tulsital drain (T-53) ..	Ballia	22.15	22.18	21.22	0.96	0.80	1.89	..	..
8. Constructing Panchtal drain (T-53)	Ballia	17.84	17.84	10.68	7.16	1.00	..	3.34	3.00
9. Remodelling Narnitel drain (T-53) ...	Ballia	6.00	6.00	2.64	3.36	3.36	..	..	..
10. Remodelling Garhtal drain (T-53) ..	Ballia	10.36	10.36	7.26	3.10	3.10	..	..	..
Total, Drainage Easternzone ..		124.70	121.70	79.45	42.25	16.98	5.67	16.06	6.20
Total, Drainage Schemes ..		1928.05	2836.05	766.61	603.72	53.08	8.62	36.31	33.26
Total, Pre-Sixth Plan Schemes ..		5004.20	6590.27	3228.88	1606.78	226.88	272.43	339.51	329.22

(74)

B—On going Schemes

SCHEMES OF SIXTH PLAN

(a) Marginal Embankment Schemes

Western Zone

1. Construction of studio from km. 0.00 to 0.40 for the protection of Hasanpur bund stage-I (T-74)	Moradabad	46.06	46.06	33.30	12.76	8.00	1.89	1.59	1.28
2. Second extension of Usait bund (T-64)	Badaun	61.29	61.29	55.29	6.00	4.80	9.78	22.18	..

3.	Construction Atta Bund (T-61) Ghaziabad	.. Bulandshahar/ Ghaziabad	181.40	212.95	192.95	..	20.00	..	..	..
4.	Constructing Allabans Hindon bund (T-67)	B. Shahar/ Ghaziabad	194.79	194.79	19.68	118.40	1.20	19.56	24.31	76.00
5.	Providing protection bund for villages Yamuna Hindon Doab (T-64)	Ghaziabad	135.96	200.00	126.94	73.06	10.43	9.78	23.86	13.72
6.	Hasanpur Bund stage-II (T-62)	.. Moradabad	103.98	103.98	100.28	..	..	3.54	..	..
Total, Marginal Embankment Western Zone			760.16	855.75	528.44	210.22	44.43	44.55	71.94	91.00
Central zone										
7.	Constructing Marginal Embankment of Ghaghra and D/S of Elgin Bridge (T-64)	Barabanki	72.38	72.38	27.23	45.15	10.00	8.50	12.89	14.00
8.	Constructing Left bunds on left bank of Kukrail nala (T-70)	Lucknow	192.78	318.12	98.73	94.05	16.00	132.52	39.77	31.00
9.	Constructing Marginal Embankment to protect Gomtinagar (T-73)	Lucknow	396.00	396.00	17.89	178.11	38.00	129.23	71.59	11.00
10.	Constructing Pariar bund (T-63)	Unnao	78.21	78.21	39.10	39.11	18.00	9.78	7.95	3.00
11.	Extension of Mahmoodabad Sitapur bund in Mahmoodabad tehsil (T-70)	Sitapur	26.04	26.04	1.43	24.61	..	..	7.95	16.00
12.	Constructing Marginal Embankment River bank of Ghaghra/chuks U/S of Elgin Bridge (T-687)	Barabanki/ Sitapur	104.00	104.00	1.00	103.00	..	..	19.89	37.20
Total, Marginal Embankment Central Zone			967.23	1092.57	185.30	484.03	82.00	280.03	160.04	112.20
Eastern Zone										
13.	Constructing Maniram Domrigarh bund (T-66)	Gorakhpur	54.97	54.97	3.64	51.33	18.28	11.67	0.79	20.00
14.	Constructing Ragauli Barya bund (T-66) / (T-80)	Gorakhpur	33.95	114.09	19.24	14.71	9.00	14.61	0.79	24.00
15.	Constructing Makhnaha bund (C.E, Meeting)	Gorakhpur	30.00	41.67	37.67	4.00	4.00	..	..	..

STATEMENT I.F.-5 (Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost (year)	Latest cost (year)	Expenditure end of 1984-85	Seventh Plan (1985-90) approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
16. Strength Banaraha bund (C.E. Meeting)	Gorakhpur	16.82	16.82	7.21	9.61	3.00	2.95	0.79	3.00
17. Constructing Maniram Madhopur bund (T-66)	„]	50.44	50.44	5.51	44.93	7.0	9.78	0.79	26.00
18. Strength Hobert bund (C.E. Meeting)]	„	48.06	48.06	34.23	13.83	12.0	2.98	..	2.00
19. Chorma retirement bund (T-75) ..	„	13.50	13.50	4.55	5.95	5.00	4.95	..	..
20. Strength Madhopur bund ..	„	44.93	44.93	36.29	8.64	3.00	1.89	0.75	3.00
21. Strength Kudaria Maniram bund (C.E. Committee)	„	9.38	9.38	6.96	3.00	..	..	0.79	1.60
22. Retirement of Kharagpur Shahpur Supai bund (T-70)	„	8.12	8.12	2.65	5.47	3.50	1.89	..	..
23. Strength Malauli bund (C.E. meeting)	„	55.82	55.82	25.24	30.58	7.00	7.78	0.79	10.00
25. Strength zardi Domra (T-80) ..	„	65.70	75.85	40.00	..	5.00	21.32	0.79	5.00
25. Constructing Ramgarhtal bund (T-60)	„	45.07	120.00	33.98	11.99	11.99	36.30	100.00	..
26. Constructing Machaligaon Algatpur bund (T-80)	„	138.50	138.50	72.93	..	..	20.51	20.00	25.00
27. Strengthening Cheri bund (C.E. Committee)	„	18.54	18.54	6.54	4.00	..	8.25	0.79	1.00
28. Nakwar Bohawar bund (T-68) ..	„	40.30	40.30	18.00	20.30	3.00	4.83	0.79	2.00
29. Strength Aswanpur Gahiraghat bund (C.E. Meeting)	„]	11.10	11.10	2.70	0.32	4.00	1.89	0.79	1.00
30. Strength Baria Dadri Semra bund (C.E. Meeting)	„]	21.90	21.90	2.39	19.51	6.00	5.15	0.79	2.00

31.	Strength Panghatia Karmaini bund (C.E. Meeting)	Gorakhpur	16.50	16.50	14.00	1.62	1.62	..	..	..
32.	Constructing Regulator on Balsar Regauli bund (T-72)	Gorakhpur	42.96	42.96	5.68	37.20	10.00	14.61	0.79	3.00
33.	Badaria bund (T-71)	Gorakhpur	3.94	3.94	0.60	3.34	0.50	..	..	..
34.	Extension of Mukhlisipur Belhara bund (T-76)	Gorakhpur	10.00	10.00	0.70	9.30	6.00	2.95	..	..
35.	Extension of Banraha bund (T-71)	Gorakhpur	29.87	29.87	0.10	20.06	3.00	7.78	0.79	4.00
36.	Nakail Madanpur bund (T-74) ..	Deoria	25.00	25.00	1.80	23.30	10.00	6.29	3.18	..
37.	Retirement of Nagwa Chhapra bund (T-75)	..	47.84	47.84	3.31	44.53	12.06	12.73	8.51	..
38.	Tighra Marachi bund (C.E. Meeting)	..	11.53	11.53	2.50	9.03	4.00	..	..	2.00
39.	Kawataliya Mahan bund (T-60) ..	..	11.63	11.63	5.04	6.62	4.50	3.06	..	..
40.	Retirement of Madanpur Kewataliya bund (C.E. Meeting)	..	3.00	3.89	1.71	2.18	2.18	..	..	..
41.	Retirement of Pindra Karanpur bund (C.E. Meeting)	..	5.31	5.31	1.41	3.90	3.90	..	..	..
42.	Retirement of Bhuswal Pinda bund (C.E. Meeting)	..	4.71	4.71	0.39	4.32	3.00	2.81	..	..
43.	Retirement of Ratanpur Pachlari bund (C.E. Meeting)	..	8.20	8.20	1.86	6.34	4.00	2.59	..	..
44.	Constructing 4 Nos. spurs on Amwakhas (T-69)	..	322.44	322.44	206.51	115.93	17.60*	24.04	11.00*	10.00
45.	Constructing no. additional spurs and extension of spurs No. 4 on Amwakhas bund	..	144.23	144.23	50.45	93.70	85.05*	4.83	5.00	3.00
46.	Strength spurs at chainage 3100 m. 4700 m. and 4941 m. on railway embankment (T-77)	..	120.82	120.82	14.30	106.44	47.75*	20.27	1.00	..

(77)

*Including Central Loan Assistance

STATEMENT t.F.-5—(Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985—90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
47. Strength. Chitauni Piprasi spurs (T-69)	Deoria	103.00	103.00	89.58	13.42	13.42	0.47	1.00	..
48. Baidaulia Bhandaria bund (T-62)	Basti	29.56	29.56	28.20	1.36	1.36	..	0.40	10.10
49. Baidaulia Lakhanapar bund (T-65)	"	103.20	605.26	61.00	139.59	40.00	31.23	75.57	..
50. Constructing Marginal Embankment from Bansi to Dumariaganj on left bank of river Rapti (T-60)	"	103.40	327.34	21.04	205.50	20.00	52.92	81.84	..
51. Strengthening Karmaini Bilauli bund (C.E. Meeting)	Basti	48.20	48.20	18.27	29.93	1.50	..	0.75	10.00
52. Constructing Marginal Embankment from Bansi to Dumariaganj on right bank of river Rapti (T-67)	"	57.60	57.60	41.40	16.20	5.00	7.10	0.79	..
53. Constructing Vikramjot Dhuswa bund (T-67)	"	29.70	29.70	14.70	15.00	4.20	..	0.79	5.00
54. Ashpgawa Nagwa bund (C.E. meeting)	"	21.70	21.70	15.13	6.57	..	..	0.79	5.00
55. Kakahi Gonha bund (C.E. Meeting)	"	28.70	28.70	26.43	2.27	..	..	0.79	1.50
56. Supa Advance bund (C.E. Meeting)	"	25.41	25.41	24.22	1.19	1.50	..	..	..
57. Constructing Regulator at Baria Sansar Tola bund (T-59)	Ballia	295.00	307.60	311.40	2.00	2.00	..	..	..
58. Raising Ballia Beria bund (C.E. Meeting)	"	108.42	108.24	69.44	35.07	10.00	2.95	0.79	20.00
59. Raising and strengthening Indarj ur Thamanpur bund (T-67)	"	35.77	35.77	14.74	21.03	6.30	5.77	0.79	7.00

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60.	Strengthening and raising Bakulaha Sansartole bund (T-60)	Ballia	32.48	32.48	₹ 17.06	10.93	3.60	..	0.79	11.00
61.	Constructing Dubey Chhapra Tengarhi bund (T-67)	"	34.12	24.12	7.62	13.35	..	4.83	0.79	1.00
62.	Constructing Ballia Mahamoodabad bund (T-64)	"	502.50	502.50	32.05	170.45	..	..	117.72	10.00
63.	Constructing Bibipur Bilauli bund (T-70)	"	23.06	23.06	4.44	18.63	12.30	..	0.79	5.50
64.	Constructing Para Sharoj Khwaza Jahanpur bund (T-68)	"	64.87	64.87	4.30	60.67	..	2.95	14.52	..
65.	Constructing Hathani bund (T-66)	"	148.59	148.59	3.70	144.81	..	₹ 17.45	21.14	..
66.	Constructing Goojarpur Mahamda bad (T-69)	"	107.62	107.62	2.57	105.05	..	..	0.79	1.00
67.	Constructing Ayodhya Bilarighat bund (T-60)	"	42.00	42.00	27.44	14.56	10.00	..	4.00	1.00
68.	Constructing Marginal Embankment on Ronahi Head Works (T-72)	"	54.68	54.68	0.08	54.00	3.00	14.61	10.00	3.80
69.	Raising and strengthening of Rouali Adampur bund	Bahraich	14.85	14.85	10.45	4.39	4.00	..	6.00*	..
70.	Constructing Bhakhlas Materia bund (T-69)	Gonda Bahraich	359.02	₹ 359.02	2.00	157.02	..	..	56.39	10.00
Total, Marginal Embankment Eastern Zone			3878.04	4798.40	1517.28	1995.50	455.05	398.89	556.72	239.50
Bundelkhand Zone										
71.	Bund on Nimni nala for protection of Banda town (T-73)	Banda	24.42	24.42	2.40	22.02	..	..	7.95	14.00
Total Marginal Embankment Bundelkhand Zone			24.42	24.42	₹ 2.40	22.02	..	..	7.95	₹ 14.00
Total Marginal Embankment Schemes			5525.87	6771.20	2233.05	2711.77	581.48	723.47	796.65	456.70

(79)

*Under Sectoral Project.

STATEMENT I.F.-5—(Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985-90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<i>(b) Town Protection Works</i>									
Central Zone									
1. Raising and Strengthening of Gomti bund	Lucknow	125.00	125.00	34.30	90.62	10.00	37.00	31.82	12.00
2. Protection of Rae Bareilly Town (Constructing of Salbund (T-66))	Rae Bareilly	80.12	80.12	17.20	62.84	7.96	4.83	17.50	48.00
3. Neemsar town protection (T-63)	Sitapur	94.90	139.00	134.20	4.80	..	..	3.98	0.80
4. Flood Protection Work of Lucknow town (T-71)	Lucknow	666.00	666.00	10.00	250.00	..	..	3.98	150.00
Total, Town Protection Central Zone		966.00	1010.12	195.80	400.00	17.96	41.83	57.28	210.80
Eastern Zone									
5. Allahabad town protection works stage-II (T-66)	Allahabad	370.00	370.00	55.40	314.60	12.20	9.78	9.77	100.00
6. Protection of Jaunpur town (T-63)	Jaunpur	2398.00	2398.00	36.00	552.77	..	..	3.98	10.00
7. Pumping of storm water in Gorakhpur town (T-68)	Gorakhpur	3.77	3.77	0.10	62.67	..	..	15.91	47.80
8. Pumping of Ragarhtal area in Gorakhpur town (T-69)	Gorakhpur	82.45	82.45	0.10	82.35	..	..	14.42	68.00
9. Vindhyachal town protection works (T-71)	Mirzapur	185.00	185.00	1.00	184.00	..	..	3.98	5.00

10.	Mirzapur town protection works (T-71)	Mirzapur	666.00	666.00	10.00	250.00	..	..	3.98	5.00
11.	Mohamdabad town protection bund (T-68)	Azamgarh	34.01	104.81	34.01	70.80	29.00	4.83	7.95	28.20
Total, Town Protection Eastern Zone			3799.23	3869.23	136.61	1517.19	41.20	14.61	55.99	264.00
Total, Town Protection Schemes			4765.25	4879.35	332.31	1925.45	59.16	56.44	117.27	474.80

(C) ANTI EROSION SCHEMES

Western Zone

1.	Flood Protection Works near village Vishanpur kundi along river Ganga and Bangana (T-65)	Saharanpur	59.70	59.70	58.70	1.00	1.00	..	..	..
2.	Flood Protection Work of Ghai Mohamadabad Syedpur (T-71)	„	2.05	2.05	1.76	0.50	0.50	..	..	..
3.	Flood Protection Works U/S of Dabkaura (T-76)	„	2.20	2.20	0.59	1.61	1.39	0.82	..	..
4.	Flood Protection Works of Ransura (T-76)	„	3.84	3.84	1.39	1.92	1.92	2.95	..	..
5.	Flood Protection Works near Bankhari Dabkaulia (T-77)	„	5.13	5.13	1.00	3.33	2.87	0.94	..	..
6.	Flood Protection Works of Khan Alam-pura and Bearbag Colony (T-75)	„	11.86	11.86	1.40	10.30	1.00	1.89	4.59	5.00
7.	Flood Protection Works of Banukheri (T-74)	„	4.99	4.99	3.31	..	..	..	0.56	1.10
8.	Flood Protection Works of Kotra Kasbagarh (T-69)	„	5.30	5.30	4.40	0.81	0.71	..	..	..
9.	Flood Protection Works of Kasimpur Mazara Padali (T-69)	„	1.94	1.94	0.33	1.62	1.61	..	..	..
10.	Flood Protection Works K. C. Ghat near Vrindavan (T-75)	Mathura	6.80	6.80	5.19	1.61	1.61	0.94	..	..
11.	Flood Protection Works Nagla Alia (T-70)	Aligarh	9.72	9.72	..	..	..	2.36	4.59	2.80

STATEMENT I.F.-5—(Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985-90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
12. Anti Erosion Works of village Uthasone (T-74)	Aligarh	13.50	13.50	10.15	2.35	2.35	..	0.79	..
13. Flood Protection Works, Sikarpur (T-71)	Muzaffer Nagar	5.50	5.50	1.00	..	..	..	0.79	3.00
14. Flood Protection Works below Nagla Rai (T-71)	"	9.25	9.25	5.15	4.10	4.10	1.89	..	..
15. Flood Protection Works, Niyampur (T-71)	"	3.70	3.70	1.00	..	..	0.94	0.79	0.50
16. Flood Protection Works below village Kakar (T-69)	"	16.00	16.00	14.31	1.49	..	..	0.16	..
17. Flood Protection Works, Khanpur (T-71)	"	5.03	5.03	1.00	..	..	1.89	0.79	1.50
18. Flood Protection Works of village Mukari (T-70)	Meerut	5.15	5.15	4.11	1.04	1.04	..	..	..
19. Flood Protection Works of village Rajpur Khanpur (T-70)	"	5.95	5.95	4.74	1.21	1.21	..	..	..
20. Flood Protection Works U/S of village Jagos (T-72)	"	5.72	5.72	3.03	2.69	2.13	..	0.45	..
21. Flood Protection Works below Anupshahar (T-67)	Bulandshahr	4.20	4.20	3.91	0.29	..	..	..	..
22. Flood Protection Works of village Belakalan (T-76)	"	28.45	28.45	24.00	4.45	0.45	..	1.60	2.00
23. Flood Protection Works of Sikandarpur (T-76)	"	32.62	32.62	2.34	30.20	..	..	1.95	15.00

24.	Flood Protection Works of Surana (T-76)	Ghaziabad	3.57	3.57	1.00	..	3.57	0.94	..
25.	Flood Protection Works km. 12.15 of Ganga Mahoba	Badaun	9.85	9.85	6.44	..	0.80	0.35	0.79
26.	Flood Protection Works of Chandrapur at km. 5 of Hasanpur (T-76)	Badaun	17.46	17.46	1.00	..	..	2.95	2.39
27.	Flood Protection Works of village Tilwara (T-70)	Bulandshahr	4.50	4.50	4.20	0.30	..	..	..
Total, Anti-Erosion Western Zone			303.38	303.38	176.49	70.81	30.04	18.86	20.24
Central Zone									
28.	Construction Bhainsa kund Ghat (T-72)	Lucknow	6.70	6.70	2.00	4.70	1.20	..	3.50
29.	Flood Protection Works of village Ghaila (TAG-2)	"	8.92	8.92	2.00	6.92	6.34	0.83	..
30.	Flood Protection Works of four village on Kunda river (T-74)	Hardoi	19.40	19.40	..	..	..	7.89	3.93
Total, Central Zone			35.02	35.02	4.00	11.62	7.54	8.72	3.98
Eastern Zone									
31.	Protection of village Gariya col (T-70)	Gorakhpur	11.62	11.62	9.54	2.00	1.00	..	..
32.	Anti Erosion works of village Mirapur (T-74)	"	8.53	8.53	1.07	6.66	2.00	..	1.60
33.	Anti-Erosion works of village Lachchi Chak (T-75)	"	22.97	22.97	11.20	11.77	3.00	5.25	2.39
34.	Anti Erosion Works of village Pakarghat (T-75)	"	4.00	4.00	1.49	2.51	1.00	1.41	..
35.	Anti Erosion Works of village Jairam (T-75)	"	7.50	7.50	5.00	2.50	2.50	..	..
36.	Protection of village Kameraha Kalan (T-66)	"	5.70	5.70	0.25	4.45	2.00	..	1.15

STATEMENT I.F.-5—(Contd.)

		(Rupees in lakh)							
Name of Scheme	District	Approoed estimated cost	Latest cost	Expen- diture end of 1984-85	Seventh Plan (1985-90) Approved outlay	1985-86 Expen- diture	1986-87 Expen- diture	1987-88 Antici- pated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
37. Protection o Kotha Rakhat bund near Nawada (T-76)	Gorakhpur	17.16	17.16	12.08	5.07	5.07	..	..	..
3x. Anti Erosion works of village Nauna Kumaria (T-76)	„	7.28	7.28	4.07	2.41	2.41	..	0.64	1.00
39. Anti Erosion Works of village Samra (T-76)	„	10.06	10.06	3.12	6.94	3.00	..	0.75	3.00
40. Anti Erosion Works of village Gajpur (T-71)	„	14.20	14.20	2.30	11.02	4.00	0.94	1.59	4.50
41. Anti Erosion Works of village Sarar (T-74)	„	26.30	26.30	11.74	14.56	5.00	..	1.59	3.00
42. Protection of Gola town (T-72)	„	5.92	5.92	3.10	2.82	2.82	..	..	..
43. Protection of village Rajdhani (T-72)	„	10.40	10.40	5.15	5.25	3.00	1.89	0.99	0.50
44. Anti Erosion Works of village Sarar Majhgawan (T-74)	„	10.10	10.10	4.00	9.10	4.00	..	0.79	..
45. Protection of village Gaighat (T-74)	„	2.94	2.94	0.15	2.79	..	..	0.79	2.00
46. Anti Erosion Works of Village Khutohar (T-71)	„	10.16	10.16	6.69	3.47	..	..	0.79	1.00
47. Anti Erosion works of Village Bakwar Bohawar (T-68)	Gorakhpur	10.72	10.72	6.00	..	..	..	..	5.00
48. Anti Erosion works of village Paliya (T-76)	Deoria	10.45	10.45	1.05	9.40	4.00	..	0.79	4.30
49. Anti Erosion works of village Banepur, Ranjeetpur and Pipiya (T-73)	Basti	22.94	22.94	9.00	13.94	5.00	..	1.60	6.00

50.	Protection of village Kaith walia (T-71)	Basti	10.61	10.61	9.73	0.88	0.75	..	..	..
51.	Anti Erosion works of village Methawal Somra (T-72)	..	16.42	16.42	13.03	3.39	1.50	..	..	3.00
52.	Protection of Narkataha town (T-72)	..	6.90	6.90	0.58	6.32	2.50	..	0.79	3.00
53.	Protection of Kakrahi Gonaha bund (T-76)	..	8.00	8.00	2.50	5.50	2.50	..	0.79	2.00
54.	Protection of Sonkhar Tadiya bund (T-76)	..	9.63	9.63	1.17	8.46	3.50	..	0.79	4.00
55.	Protection of Bansi Panghatia bund (T-76)	..	7.74	7.74	0.60	7.14	3.00	..	0.79	3.00
56.	Anti Erosion works between Thokar nos. 228 and 258 (T-75)	..	3.49	3.49	2.96	0.53	0.53	..	..	..
57.	Reducing distance between Thokar nos. SA and 18-A (T-75)	..	10.50	10.50	3.03	6.67	3.00	..	0.79	2.00
58.	Anti Erosion works of village Kishanpur Kharika bari (T-74)	..	7.27	7.27	5.16	2.13	2.11	..	..	..
59.	Protection of village Bairragal Tola (T-75)	..	3.44	3.44	0.21	3.23	3.23	..	..	..
60.	Anti Erosion works of village Mahpura (T-76)	..	4.10	4.10	1.50	2.60	..	..	0.79	1.80
61.	Anti Erosion works of Jagchhapra (T-75)	Ballia	11.39	11.39	3.17	0.22	2.36	..	0.79	1.00
62.	Anti Erosion works of Pachrukhiya (T-75)	..	16.38	56.74	0.62	15.76	5.00	0.94	4.77	4.50
63.	Anti Erosion works of Nardura— Cadatiya Bhusaula Jagdishpur (T-75)	..	17.36	38.85	2.35	15.01	70.00	0.94	3.48	3.50
64.	Flood Protection works of Rempur Chit (T-68)	..	10.96	10.96	10.46	0.50	0.50	..	..	..
65.	Anti Erosion works of village Nome Bhapra (T-75)	..	23.50	23.50	9.09	14.41	..	..	2.39	4.00

STATEMENT I.F.-5—(Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure 1984-85	Seventh P'an (1985-90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
66. Anti Erosion works of village Nasirpur (T-76)	Ballia	4.66	4.66	0.65	4.01	..	..	0.70	1.00
67. Anti Erosion works of Kura Bhara (T-71)	..	5.21	5.21	0.05	..	..	..	0.79	1.00
68. Protection of village Naipura in Tehsil Tanda (T-72)	Faizabad	4.76	4.76	2.60	2.16	1.00	..	..	2.10
69. Anti Erosion works of village Sherwaghat (T-75)	..	9.00	9.00	0.83	8.82	3.00	1.30	1.59	3.00
70. Anti Erosion works of village Mugalasi (T-74)	..	10.20	10.20	8.00	2.15	1.88	..	..	..
71. Anti Erosion works of village Guptarghat (T-76)	..	7.84	7.84	3.50	4.34	2.00	0.82	1.35	..
72. Anti Erosion works of village Rajghat Tanda (T-76)	..	10.77	10.77	1.70	9.07	4.13	1.89	1.59	1.45
73. Protection of Gosaiganj town (T-68)	..	17.18	17.18	0.29	16.86	2.00	4.83	3.18	4.00
74. Anti Erosion works of village Purelal Khan (T-76)	..	4.43	4.43	0.07	4.36	..	..	1.59	1.00
75. Anti Erosion works of village Baldha Ismailpur (T-76)	..	12.55	12.55	0.02	12.53	3.00	1.89	1.59	3.00
76. Anti Erosion works of Chacher Nala (T-76)	Allahabad	22.66	22.66	7.20	4.80	4.80	5.42	1.59	..
77. Flood Protection works of village Umapur (T-77)	..	35.00	35.00	5.00	30.00	9.00	15.68	1.59	4.00

78.	Protection of Rajahdra Prasad Ghat (T-71)	Varanasi	28.50	28.50	10.47	18.03	0.50	0.94	3.18	..
79.	Flood Protection Works at Ramnagar Fort (T-79)	..	18.00	18.00	..	..	..	9.78	1.59	6.00
80.	Practical Schemes for the protection of Mirzapur Ghat (T-73)	Mirzapur	24.50	24.50	15.87	8.83	..	4.36	0.79	3.00
81.	Protection of Badlighat (T-70)	..	4.25	4.25	1.67	2.58	..	..	0.79	1.80
82.	Anti Erosion works of village Sherpur Vishuasurpur and Bagheli (T-71)	..	25.27	25.27	7.90	17.37	2.60	3.9	2.39	2.00
83.	Flood Protection Works Ghora Saheed Ghat (T-79)	..	20.00	20.00	..	..	..	4.36	2.39	3.00
Total, Anti Erosion Eastern Zone			659.34	721.27	232.9	357.19	121.19	66.54	58.41	104.75
Hill Zone										
84.	Gopal Nagar Flood Protection Scheme (T-76)	Nainital	7.94	7.94	4.20	3.74	2.50	..	..	..
85.	Alikhan Flood Protection Scheme (T-76)	..	6.92	6.92	5.43	1.40	1.24	..	..	..
86.	Rajpur Khurd Flood Protection Scheme (T-76)	..	3.65	3.65	2.64	1.81	0.84	..	..	..
87.	Banskhera Flood Protection Scheme (T-76)	..	2.36	2.36	2.12	0.18	0.14	..	..	..
88.	Terhagram Flood Protection Scheme (T-76)	..	4.47	4.47	3.36	1.41	1.17	..	..	..
89.	Savaldhah Khajia Flood Protection Scheme (T-76)	..	5.20	5.20	3.26	1.94	1.62	..	..	..
90.	Kishanpur Flood Protection Scheme (T-76)	..	3.50	3.50	1.79	1.71	1.45	..	..	..
91.	Itawa Flood Protection Scheme (T-76)	..	7.37	7.37	2.91	4.46	2.00	..	1.96	0.50
92.	Strengthening of Bajpur bund km. 5.9, 7.1 and 9.0 (T-79)	..	32.03	..	..	..	..	10.60	10.60	11.40

STATEMENT I. F.—5—(Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985-90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
93. Kothkhara Flood Protection Works (T-70)	Nainital	8.75	..	..	..	..	5.02	3.73	..
94. Strengthening Sukhi bandh (T-79)	..	29.73	29.73	20.32	6.07	6.00	12.63	1.42	..
95. Chandni Flood Protection Scheme (T-76)	..	14.15	14.15	9.56	4.59	1.50	..	1.67	1.42
96. Jogipura Flood Protection Scheme (T-76)	..	2.20	2.20	1.22	0.90	0.40	..	0.48	..
97. Gobra Flood Protection Scheme (T-76)	..	5.49	5.49	4.49	1.00	1.00	..	3.50	..
98. Kolakhara Flood Protection Scheme (T-76)	..	0.89	0.89	0.65	0.24	0.20	..	..	..
99. Haripur masset Flood Protection Scheme (T-79)	..	10.86	10.86	9.86	1.00	1.00	3.52	..	..
100. Jalalia ganja Flood Protection Scheme (T-76)	..	4.54	4.54	4.22	0.32	0.30	..	..	..
101. Nawar Harijan Basti flood protection Scheme (T-76)	..	1.76	1.76	1.15	0.61	0.51	..	..	..
102. Dhanda Flood Protection Scheme (T-77)	..	4.92	4.92	3.50	1.42	1.00	..	0.40	..
103. Thumaria Baha Flood Protection Scheme (T-77)	..	5.80	5.80	3.40	2.40	1.40	..	1.00	..
104. Protection of Baur bandh from river Baur (T-77)	..	5.71	5.71	4.70	1.00	1.00	..	..	..
105. Madanpur choi Flood Protection Scheme (T-76)	..	9.51	9.51	4.70	4.81	3.00	..	0.60	1.20

106.	Dhalagram from Dohela river Flood Protection Scheme (T-76)	Nainital	4.29	4.29	2.77	1.52	0.60	..	..	0.90
107.	Gularia Flood Protection Scheme (T-76)	..	5.57	5.57	4.81	0.76	0.10	..	..	0.70
108.	Ganai Flood Protection Scheme	Almora	3.96	3.96	2.46	1.50	1.50	..	..	..
109.	Timiya Flood Protection Scheme (T-66)	Pithoragarh	4.99	4.99	1.07	3.92	0.50	..	..	3.40
110.	Gangotri Flood Protection Scheme (T-71)	Uttar Kashi	2.67	2.67	2.27	0.40	0.30	..	..	..
111.	Gangotri Flood Protection Scheme (T-74)	..	17.08	17.03	5.56	11.52	7.00	2.70	..	1.80
112.	Trivenighat Flood Protection Scheme (T-70)	Dehradun	29.23	29.23	21.52	7.71	4.00	1.00	..	2.70
113.	Rispana Flood Protection Works (T-78)	..	12.84	12.84	..	..	..	8.00	4.21	..
114.	Chandreshwar Flood Protection Scheme (T-74)	..	23.50	23.50	10.36	13.14	10.50	3.00	..	..
115.	Tayuni Flood Protection Scheme (T-75)	..	16.40	16.40	11.31	5.09	3.30	..	2.00	..
116.	Sidhwali Flood Protection Scheme (T-76)	Pauri	21.85	21.85	4.00	17.85	5.00	4.63	8.77	..
117.	Anti avlauch work of Sri Badrinath-dham (T-75)	Chamoli	64.18	64.18	23.11	41.07	8.00	14.00	3.71	15.00
118.	Narnarayan Flood Protection Scheme (T-77)	..	6.03	6.03	1.74	4.34	2.00	1.32	1.59	..
Total, Anti Erosion Hill Zone ..			347.01	347.01	184.17	150.00	102.58	66.50	45.04	39.02
Total, Anti Erosion Schemes ..			1325.35	1387.28	597.65	589.72	261.35	160.62	127.67	193.77
Total, Flood Control Schemes			11616.47	13037.83	3163.01	5226.94	901.99	940.53	1041.59	1125.27

(68)

DRAINAGE SCHEME

Western Zone

1. Constructing Lower Drain (T-59) .. Meerut

15.90 15.90 10.00 5.30 5.30

STATEMENT I.F —5—(Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985-90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated Expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2. Remodelling Sisoli Drain (T—71)	Meerut	3.00	3.00	2.40	0.60	0.60	..	..	..
3. Remodelling Kirthal Drain (T—69)	..	23.75	23.75	3.52	20.23	5.00	..	2.39	13.00
4. Improving drainage system in district Meerut	..	516.60	516.50	1.00	200.00	..	1.89	0.79	5.00
5. Remodelling of Syana Drain (T—69)	Bulandshahr/ Ghaziabad	9.55	9.55	5.76	3.79	3.79	..	..	..
6. Constructing Baral Chhaprawat Drain (T—65)	..	23.50	23.50	18.59	4.91	4.91	1.89	..	..
7. Channelisation of Choiya drain (T—65)	..	36.20	36.20	24.80	11.40	6.85	1.89	2.03	0.60
8. Constructing Chanderu drain (T—65)	..	10.24	10.24	9.74	0.50	..	..	..	..
9. Constructing Mirzapur drain (T—64)	..	7.03	7.03	3.59	3.36	1.00	1.89	0.35	..
10. Improvement of internal section of Govardhan drain (T—76)	Mathura	45.46	45.56	8.81	36.65	30.62	9.78	..	..
11. Constructing Biruni Khanda drain (T—71)	..	46.85	46.85	17.74	29.11	8.00	..	3.18	10.00
12. Remodelling Ral Nala (6/79)	..	136.00	196.00	116.00	40.00	..	..	0.79	10.00
13. Improving drainage system in district Mathura	..	300.00	300.00	1.00	150.00	..	..	0.79	5.00
14. Constructing Lakhana —Jafra bad drain (T—68)	..	4.50	4.50	0.27	4.23	1.00	0.94	1.77	0.50
15. Remodelling Khandeha Zattari dam Zattari drain (T—65)	..	9.40	9.40	3.34	6.06	2.00	2.95	0.84	0.30

(06)

16.	Improving drainage system in district Mathura	Mathura	300.00	300.00	1.00	150.00	..	..	0.79	5.00
17.	Constructing Bahanpur Barauli (T-74)	Aligarh	2.76	2.76	2.00	..	..	..	0.60	..
18.	Improving drainage system ..	Aligarh	500.00	500.00	1.00	200.00	..	..	..	5.00
19.	Constructing Bharkayu drain (T-71)	Bulandshahr/ Ghaziabad	18.68	18.68	3.26	15.85	..	1.89	1.59	12.00
20.	Improving drainage capacity of Katha Nala (T-59)	Saharanpur/ Muzaffarnagar	92.07	92.07	1.50	90.57	15.00	19.56	3.98	10.00
21.	Improving drainage system in district Agra	Agra	313.24	313.24	1.00	150.0	..	..	0.79	2.00
22.	Constructing Biruni Khanda (T-71)	..	46.47	46.47	15.0	..	..	4.83	7.79	5.00
23.	Channelisation of Ahnaiya Nala (T-66)	Mainpuri/ Etawah	58.08	98.46	62.54	35.92	3.80	2.36	3.98	10.00
24.	Increasing capacity of Baigulescape (T-78)	Bareilly	24.75	24.75	2.00	22.75	..	..	1.59	20.00
Total, drainage Western Zone			2544.28	2644.66	216.46	1141.23	88.37	49.87	34.04	113.40

Central Zone

25.	Pipri drain system (T-70)	Sitapur	22.62	22.62	13.14	9.48	4.30	3.54	1.19	..
26.	Improving drainage system in district Sitapur	..	272.8	272.85	1.00	150.0	10.94	..	3.98	5.00
27.	Constructing Jarkha drain (T-68)	Bara banki	29.77	29.77	2.67	27.10	..	..	3.18	5.00
28.	Increasing capacity of Bari Nala (T-68)	..	50.40	50.40	10.57	39.83	..	..	3.18	10.00
29.	Improving drainage system in district Bara Banki	..	682.00	682.00	1.00	250.0	..	..	0.79	2.00
30.	Channelisation of Choiya drain (dated August 9, 1976)	Hardoi	22.12	22.12	17.50	4.62	..	4.36	..	..
31.	Re-modelling of Bharayal Ahrauri drain (dated 24-12-1975)	..	15.85	15.85	10.00	5.85	..	..	4.65	1.20

STATEMENT I. F. -5—(Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985-90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
32. Improving drainage system in district Hardoi	Hardoi	347.65	347.65	1.00	150.00	..	..	0.79	5.00
33. Re-modelling and Extension of Satauti Gajmochan Nath drain (T-64)	Kheri	29.99	29.99	26.25	3.74	..	..	2.19	1.60
34. Improving drainage system in district Kheri	Kheri	500.00	500.00	1.00	200.00	..	..	0.79	2.00
35. Improving drainage system in district Rae Bareli	Rae Bareli	407.00	407.00	1.00	150.00	..	..	0.79	2.00
36. Re-modelling Gomia Tal (T-50)	.. „	23.19	23.19	18.00	5.00	..	..	2.39	2.60
37. Re-modelling Kadu Nala (T-66)	.. „	29.64	29.64	25.64	4.00	..	..	1.59	2.40
38. Improving drainage system in district Unnao	Unnao	360.18	360.18	1.00	150.00	..	..	0.79	2.00
Total, drainage Central Zone	..	2793.26	2793.26	129.96	1140.62	15.24	7.90	26.20	40.80
Eastern Zone									
39. Constructing Savra drain (T-75)	.. Ballia	6.00	6.00	..	..	..	..	0.84	..
40. Re-modelling of Lakra drain (T-65)	.. „	13.26	13.26	3.74	9.52	2.50	..	0.79	6.00
41. Re-modelling Bheri drain (T-53)	.. „	40.22	40.22	26.00	..	2.72	..	2.39	8.00
42. Re-modelling of Naraw drain (T-73)	.. „	10.24	10.24	7.35	2.89	2.89	..	..	4.50
43. Re-modelling of Rasra drain (T-67)	.. „	10.00	10.00	9.06	0.94	0.94	..	..	..
44. Re-modelling of Sisotar drain (T-67)	.. „	13.39	13.39	5.83	3.54	2.00	..	1.22	..
45. Re-modelling of Bhagipur drain (T-67)	.. „	8.30	8.30	4.65	3.65	3.65

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46.	Re-modelling of Pakri drain (T—67)	„	6.32	6.32	5.33	0.99	0.99
47.	Constructing Bisauli drain (T—76)	„	70.00	70.00	3.98	..
48.	Channalisation of Garai Nadi (T— 65)	Mirzapur/ Varanasi	39.00	39.00	3.67	35.33	2.40	4.83	1.59	10.00
49.	Comprehensive drainage Plan Sector-8 (T—68)	Pratapgarh	43.05	43.05	21.63	24.42	..	..	0.40	10.00
50.	Improving drainage system in district Pratapgarh	„	385.00	385.00	1.00	200.00	..	..	0.40	5.00
51.	Improving drainage Capacity of Kadar Nala (T—68)	Sultanpur	29.64	29.64	25.31	4.33	..	..	0.79	3.50
52.	Improving drainage system in district Sultanpur	„	522.00	522.00	1.00	228.38	..	..	0.79	5.00
53.	Increasing Capacity of Tondi Nala (T—65)	Faizabad	21.43	21.43	4.73	16.70	..	..	0.79	5.00
54.	Increasing Capacity of Darbantal drain (T—59)	„	30.43	30.43	9.25	21.18	..	..	0.79	5.00
55.	Increasing Capacity of Kadipur drain (T— 68)	„	18.42	18.42	4.21	14.21	..	..	0.79	5.00
56.	Increasing Capacity of Kohrosa drain (T— 68)	„	3.00	3.00	1.85	1.35	..	..	0.79	0.50
57.	Increasing capacity Birna Nadi	„	10.00	10.00	..	..	..	..	..	..
58.	Improving drainage system in district Faizabad	„	586.20	586.29	1.00	250.00	..	..	0.79	5.00
59.	Improving drainage system in district Gonda	Gonda	300.00	300.00	1.00	150.00	..	..	0.79	5.00
60.	Improving drainage system in district Jaunpur	Jaunpur	394.00	394.00	1.00	150.00	..	..	0.79	5.00
61.	Improving drainage system in district Gorakhpur	Gorakhpur	468.00	468.00	467.00	200.00	..	..	0.79	5.00
Total, drainage Eastern Zone ..			2951.90	2951.90	688.43	1314.43	18.09	4.83	19.51	87.50
Total drainage Schemes			8289.44	8389.62	954.85	3596.28	121.70	62.60	79.85	241.70
Total, New Scheme of Sixth Plan ..			19905.91	21427.65	4117.86	8823.22	1023.69	1003.13	1121.44	1366.97

STATEMENT I. F.-5—(Contd.)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985—90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-99 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
C. SCHEMES OF SEVENTH PLAN :									
FLOOD CONTROL SCHEMES :									
<i>(a) Marginal Embankment Schemes</i>									
Western Zone:									
1. Raising Noida bund	Ghaziabad	550.00	550.00	..	100.00	..	..	0.79	1.00
2. Alamnagar bund on river Ganga at Garhmukteshwar	..	227.00	227.00	..	50.00	..	..	0.79	1.00
3. Amnabad bund on river Hindon .. ..	..	250.00	250.00	..	59.92	..	..	0.79	1.00
4. Aliabad bund	Bulandshahr	250.00	250.00	..	50.00	..	..	0.79	1.00
5. Shahjahanpur—Banali bund	Meerut	300.00	300.00	..	100.0	..	..	10.08	5.00
6. Raising Sankara Mankara bund (C.E. Meeting)	Rampur	18.17	18.17	..	18.17	5.00	..	10.08	5.00
7. Protection of Hasanpur bund km. 8 to 4.75(T—72)	Moradabad	83.60	83.60	..	..	..	34.13	..	..
8. Protection of Sharda Nagar bund	Pilibhit	159.12	159.12	..	..	..	0.10	..	30.00
9. P'C to check spill on right bank of Muzaffarnagar (Hastinapur)	Mirzapur	35.50	35.50	..	..	..	0.10	30.0	10.00
10. Project estimate for constructing spur from km. 10.4 to 11.70 on Kalactor Sadhujeetpur bund (T—82)	Bijnor	58.20	58.20	..	..	..	1.00	10.00	5.80
11. Flood for village Mamoodapur Puklla	Etah	15.93	15.93	..	..	..	0.10	..	..
Total, Marginal Embankment Western Zone	Etah	1863.92	1863.92	..	378.09	5.00	34.53	54.69	124.80

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Central Zone:

12.	Constructing Marginal Embankment for the protection of Sitapur from river Sarayan	Sitapur	200.00	200.00	..	50.00	0.79	2.00
13.	Marginal Embankment along right banks of river Ghagra and Sharda	Sitapur/Kheri	499.00	499.66	..	50.00	..	..	0.79	1.00
14.	Marginal Embankment along both banks of river Gomti from Neemsar to Bhatpurwa	Sitapur	750.00	750.00	..	100.00	..	..	0.79	1.00
15.	Extension of Kukrail bund	.. Lucknow	200.00	200.00	..	100.00	..	..	7.95	1.00
16.	Raising Kukrail bund	.. ..	150.00	150.00	..	50.00	..	..	3.98	1.00
17.	Raising and Strengthening of Gomti bund	..	250.00	250.00	..	50.00	..	..	3.86	5.00
Total, Marginal Embankment Central Zone			2049.00	2049.00	..	400.00	..	..	38.16	20.00

Eastern Zone:

18.	Chuntaha bund strengthening (T—80)	.. Gorakhpur	3.24	3.24	..	..	..	1.89	1.13	..
19.	Samra Chainpur bund (T—76)	.. ..	45.20	45.20	..	45.20	1.00	..	2.39	5.00
20.	Charma retirement bund (T—79)	.. ..	98.32	98.32	..	..	..	..	2.39	5.00
21.	Nausar Kalan bund (T—66)	.. ..	10.60	10.60	..	9.00	..	13.67	..	..
22.	Strengthening Majhwalia band (C. E. Meeting)	.. ..	9.60	9.60	..	8.21	..	7.78	4.94	..
23.	Gagha—Rakhat bund (C.E. Meeting)	.. ..	11.55	11.55	..	9.55	..	5.89	5.21	..
24.	Constructin Marginal Embankment for on banks of River Ami from village Padoriya to Kaydiram (T—74)	.. ..	661.52	661.52	..	100.00	..	..	133.22	Under Sectoral Project 50.20
25.	Kotha—Rakhat bund strengthening (T—79)	.. ..	14.00	14.00	..	..	..	11.77	2.47	..
26.	Extension of Banraha bund (T—71)	.. ..	29.87	29.87	..	29.07	1.00	..	..	Under Sectoral Project 5.00
27.	Constructing of Madar bund (T—79)	.. ..	21.59	21.59	..	..	..	9.78	0.79	..

STATEMENT I. F.—5—(Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985—90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
28. Domra Ring Bund (T—79)	Gorakhpur	4.13	4.13	..	..	..	2.83	0.92	1.00
29. F. P. W. Maloni bund km. 88 near Turiya Gorakhpur (T—82)	..	14.18	14.18	..	..	..	..	..	4.00
30. F.P.W. Maloni bund km. 23.50 village.. Muglaha	..	24.92	24.92	..	..	..	..	..	5.00
31. F.P.W. Maloni bund km. 11.0 to 11.4 village Nadwa (T—82)	..	17.77	17.77	..	..	..	..	..	5.00
32. F.P.W. Maloni bund km. 12-13 village Beesbgha (T—82)	Gorakhpur	15.88	15.88	..	..	..	..	..	—
33. F.P.W. Maloni bund km. 0.70 village Laksari (T—82)	..	13.66	13.66	..	..	..	..	..	—
34. F.P.W. Kotha—Rakhat bund near village Kotha (T—82)	..	9.74	9.74	..	..	..	..	..	2.00
35. F.P.W. Aswanpur—Gahiraghat and Majhwalia (T—82)	..	8.96	8.96	..	..	..	..	..	—
36. Strengthening Zardi Domra (T—82)	..	84.30	84.30	..	..	..	..	..	10.00
37. Strengthening Banraha bund (T—82)	..	27.93	27.93	..	..	..	..	..	2.00
38. Constructing Makhnaha bund (T—82)	..	46.94	46.94	..	..	..	..	..	4.00
39. Construction of Chori bund (T—82)	..	29.12	29.12	..	..	..	..	..	3.00
40. F.P.W. Rajpur bund near Gajpur (T—82)	..	22.38	22.38	..	..	..	..	..	2.00
41. Construction of two spurs at Amwakhas (T—79)	Deoria	130.39	130.39	..	..	25.08	59.63	3.18	20.00

42.	Construction of 4 studs and extending of pitching A. P. bund (T-79)	..	19.55	19.55	..	..	..	9.78	0.79	4.80
43.	Strengthening Katai Bhatpurwa bund (T-79)	..	49.98	49.98	..	..	..	9.78	1.98	5.00
44.	Constructing Spur C at Chitauni bund (T-80)	..	58.95	58.95	..	..	..	19.56	3.18	..
45.	Constructing new spur and strengthening spur at Katai Bhatpurwa (T-80)	..	82.83	82.83	..	..	..	5.89	3.18	5.00
46.	F.P.W. village Garhwa (T-82)	Gorakhpur	8.45	8.45	..	..	..	..	..	1.00
47.	F.P.W. Dubaulia Siktya bund as km. 1.1 on R.B. little Gandak (T-82)	Deoria	8.15	8.15	..	..	..	..	..	1.00
48.	F.P.W. constructing an additional spur in between Super B and C strengthening super C near Chainage 620 to 740 Chitauni bund (T-82)	..	76.94	76.94	..	..	..	..	..	10.00
49.	F.P.W. of remodelling noses of spur at A and B of Chitauni bund (T-82)	..	47.37	47.37	..	..	..	..	..	10.00
50.	F.P.W. A. P. Bund (T-82)	..	34.09	34.09	..	..	..	..	..	10.00
51.	Flood Protection Works Tighra Marachi bund near village Ikhauna (T-82)	..	36.50	36.50	..	..	..	..	..	10.00
52.	Strengthening of Bihar Stud (T-82)	..	53.35	53.35	..	..	..	..	..	10.00
53.	Construction of different works of A. K. bund (H.L.C.)	..	189.63	189.63	..	..	..	..	..	33.00
54.	Flood Protection Works of Nakiol—Semrauna bund (T-82)	..	53.50	53.50	..	..	..	..	..	5.00
55.	Retirement of Madanpur K. watalia (T-80)	Deoria	20.00	20.00	..	..	..	..	1.49	5.00
56.	Retirement of Panchlahri bund near Rasulpur (T-80)	..	17.00	17.00	..	..	..	..	1.59	5.00
57.	Retirement of Pandey Majha Jogia bund (T-79)	..	2.37	2.37	..	..	..	..	0.10	2.20

STATEMENT I.F.-5 (Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985-90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
58. Constructing 2 No. studs and strengthening of spur No. 4 on Amwakhas bund	Deoria	37.53	37.53	..	37.53	78.30	..	0.69	8.00
59. Bahura Shivpurkapur deer Ring bund (T-67)	Ballia	19.00	19.00	..	..	..	2.35	4.79	Under Sectoral Project
60. Anti-erosion Works of Turtipar—Sri Nagar Bund from Km. 16.20 to 64.35 (H. L. Committee)	..	190.00	190.00	..	190.0	..	72.39	..	5.00
61. Anti-erosion Works T. S. Bund Km. 61.8 to 64.3 (H.L. Committee)	..	207.00	207.00	..	..	60.00	..	3.98	5.00
62. Constructing Bahuara—Shivpur—Dayarring bund (T-67)	..	21.53	21.53	..	10.50	..	..	0.79	5.00
63. Constructing of Pipri Bund (T-80)	..	38.00	38.00	..	..	..	..	2.39	5.00
64. Strengthening Turtipar—Sri Nagar bund	..	237.69	237.69	..	150.00	..	..	7.95	5.00
65. Protection of Rewali—Adampur bund against parallel flow (T-78)	Bahraich	24.05	24.05	..	24.05	8.60	..	..	8.00
66. Madraha—Behra—Dandi bund	Basti	37.00	37.00	..	..	..	..	2.39	5.00
67. Constructing Gaighat—Makhura bund on R/B of river Burhi Rapti and L/B of river Rapti	..	200.00	200.00	..	50.00	..	49.86	1.59	1.00
68. Protection works at Km. 1.7 to 3.9 of Kashipur—Dubolia (T-80)	..	176.25	176.25	10.72	7.95	20.00
69. Chapwa bund on right bund of Manwar river	..	38.14	38.14	10.00

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70.	Gaura—Shaifabad bund (T—80)	.. Basti	49.60	49.60	10.72	3.18	5.00
71.	Rampur—Makhampur bund (T—80)	.. „	44.60	44.60	10.72	3.18	5.00
72.	Protection of Mohola—Garhwal bund (H. L. Committee)	Azamgarh	739.00	739.00	..	..	..	200.08	7.95	5.00
73.	Chunar Ami D:narpur marginal embankment schemes on R/B of river Ganga	Mirzapur	250.00	250.00	..	50.00	..	..	0.79	1.00
74.	Constructing bund in eastern district in U. P.	Eastern district	500.00	500.00	..	100.00	..	..	0.79	1.00
75.	Constructing Marginal Embankment river Rapti Rohin and its tributaries	„	7000.00	7000.00	..	400.00	..	..	39.97	5.00
76.	Construction of bunds on river Sai	.. „	700.00	700.00	..	200.00	..	..	0.79	1.00
77.	Constructing 7 spur Km. 11.1 to 13 village Dhuswa bund (T—82)	Basti	225.50	225.50	..	..	..	..	..	20.00
78.	Constructing 2 spur Km. 4.4 to 4.9 Madraha Dudi bund (T—82)	„	82.25	82.25	..	..	..	..	..	10.00
79.	Flood Protection Works Kashipur—Duholia Km. 3.25—3.65 (T—82)	„	38.95	38.95	..	..	..	..	..	4.00
80.	Flood Protection Works Kumhra—Gonghi Km. 15 village Imilha (T—83)	„	10.15	10.15	..	..	..	..	..	2.00
81.	Constructing Gyanpur—Baswanpur bund (T—83)	„	46.70	46.70	..	..	..	..	..	5.00
82.	Protection B. P. bund Dumariaganj (T—83)	„	4.00	4.00	..	..	..	..	..	1.00
83.	Protection of Uska Belsar Km. 2 to 2.1 (village Nankaria) (T—83)	„	17.52	17.52	..	..	..	..	..	2.00
84.	L. A. pitching Km. 4.6 to 5.35 Mahula—Garhwal bund (T—83)	Azamgarh	26.60	26.60	..	..	..	..	..	3.00
85.	Flood Protection Works Revli Adampur bund Km. 3.5—3.62	Bahraich	59.25	59.25	..	..	..	..	..	5.00
86.	Protection Km. 1-1.2 of village Vailmatay (T—83)	Gorakhpur	4.54	4.54	..	..	..	..	..	2.00

STATEMENT I.F.-5 (Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of (1984-85)	Seventh Plan (1985-90) approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
87. Protection of Belsar—Rigauli near Mishiri (T—83)	Gorakhpur	6.04	6.04	..	..	..	..	..	3.00
88. Protection of Doma ring bund (T—83) ..	..	4.05	4.05	..	..	..	..	..	1.00
89. Zarda —D omra Ring bund (T—83) ..	..	68.25	68.25	..	..	..	..	..	5.00
90. Protection of Laxmipur—Ring bund (T-83)	..	29.75	29.75	..	..	..	..	..	5.00
91. Protection Banraha bund (T—83) ..	..	51.55	51.55	..	..	..	..	..	5.00
92. Constructing Etawau bund (T—83) ..	..	43.90	43.90	..	..	..	..	..	5.00
93. Constructing Nakwar —Bohawar bund (T—83)	..	44.20	44.20	..	..	..	..	..	5.00
94. Constructing 11.6 Km. bund R/B Khauwa nadi (T—83)	..	16.91	16.91	..	..	..	..	..	2.00
95. Keckrighat—Maiga bund (T—83) ..	Deoria	9.40	9.40	..	..	..	..	..	1.00
96. Protection Tigri bund (T—83) ..	Ballia	50.20	50.20	..	..	..	..	..	5.00
Total Marginal Embankment Eastern Zone		13463.47	13463.47	..	1421.91	253.90	524.87	258.03	460.20
Total, Marginal Embankment Schemes		17376.39	17376.39	..	2200.00	258.90	559.00	650.08	605.00

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(b) Town Protection Scheme

Western Zone

1. Mathura town protection works	..	Mathura	400.00	400.00	..	75.00	0.79	1.00
2. Vrindavan town protection works	..	"	300.00	300.00	..	75.00	..	..	0.79	1.00
Total, Town Protection Western Zone	..		700.00	700.00	..	150.00	..	..	1.58	2.00

Central Zone

3. Sitapur town protection stage-I (T-74)		Sitapur	755.00	755.00	..	50.82	..	..	3.98	3.00
4. Providing additional pumping capacity along Gomti bund		Lucknow	500.00	500.00	..	99.18	..	..	0.98	5.00
5. Providing additional pumping capacity Kukrail bund		Lucknow	80.00	80.00	..	50.00	..	..	14.69	5.00
6. Protecting Rae Bareli town	..	Rae Bareli	96.70	96.70	..	..	..	..	..	2.00
7. Pumping storm water phase-I on L/B of Kukrail nala		Lucknow	358.00	358.00	..	..	..	..	..	5.00
Total, Town Protection, Central Zone	..		1789.70	1789.70	..	200.00	..	..	19.65	20.00

Bundelkhand Zone

8. Banda town protection works	..	Banda	500.00	500.00	..	75.00	..	..	1.59	0.50
9. Hamirpur town protection works	..	Hamirpur	600.00	600.00	..	75.00	..	..	..	0.50
10. Flood Protection Works Hamirpur District (T-82)		Hamirpur	411.00	411.00	..	..	..	3.54	3.59	4.00
Total, Town Protection Bundelkhand Zone			1511.00	1511.00	..	150.00	..	3.54	5.18	5.00

Eastern Zone

11. Town Protections of Gorakhpur town Phase-II		Gorakhpur	200.00	200.00	..	50.00	..	..	1.59	2.00
12. Flood Protection Works Deoria against Flood and Water logging (Phase-I, Stage-I)		Deoria	59.83	59.83	2.00
Total, Town Protection, Eastern Zone	..		259.83	259.83	..	50.00	1.59	4.00

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STATEMENT I.F.—5—(Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985-90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Hill Zone									
13. Protection of Dehra Dun city town from Floods of river Respana (T—78)	Dehra Dun	13.22	13.22	..	8.00	..	..	..	4.00
14. Protection of Tehri farm from river Song	„ ⁵	5.00	5.00	..	5.00	..	..	..	2.00
15. Protection of Palwal town from river Asam	„	5.00	5.00	..	5.00	..	..	..	2.00
16. Someshwar Asam town protection works]	Almora	6.00	6.00	..	6.00	..	..	..	2.00
17. Ganal town protection works ..	Almora	10.00	10.00	..	5.00	..	..	..	4.00
18. Bhikiyasen town protection works ..	Almora	6.00	6.00	..	6.00	..	..	..	2.00
19. Srinagar town protection works ..	Pauri	30.00	30.00	..	15.00	..	..	..	6.00
Total, Town Protection Hill Zone ..		75.22	75.22	..	50.00	22.00
Total, Town Protection Schemes ..		4335.75	4335.75	..	600.00	..	3.54	28.00	53.00

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(c) Anti-Erosion Schemes

Western Zone

1. Flood Protection Works Chamunda Devi (T—78)	Bulandshahr	16.24	16.24	4.83	1.59	0.50
2. Surana flood protection works (T—76) ..	„	3.57	3.57	..	3.57	1.57	..	0.40	0.50
3. Flood Protection Works upstream Karanvas (T—80)	„ ⁷	11.29	11.29	..	..	..	..	..	0.50

4.	Flood Protection Works at Km. 15.90 of left Pilikhar Nahar and near village Hardua (C.E. Meeting)	Rampur	11.06	11.06	...	11.06	5.00	...	1.99	0.50
5.	Flood Protection Works at Km. 12.4 of Pilakhar canal (T-76)	Rampur	8.65	8.65	...	..	...	2.47	0.40	0.50
6.	Flood Protection Works at Km. 28 of Pilakhar canal (T-71)	..	11.17	11.17	...	..	..	4.36	0.40	0.50
7.	Flood Protection Works of village Gajraula Pilakhar nadi (T-80)	..	13.89	13.89	...	..	..	5.30	0.40	0.50
8.	Flood Protection Works Gulawali (T-79)	Ghaziabad	24.63	24.63	...	..	..	10.07	1.19	0.50
9.	Flood Protection Works of Asgarpur (T-79)	..	26.67	26.67	...	..	...	7.11	1.19	0.50
10.	Protection Bateshwar Mandir (T-80)	Agra	36.40	36.40	..	..	..	9.78	2.39	0.50
11.	Anti-Erosion works near Kachalaghaton Ganga (T-81)	Farrukhabad	4.78	4.78	...	..	...	...	0.40	0.50
12.	Constructing of stud at Tigri spur (T-80)	Moradabad	33.33	33.33	..	..	..	4.83	1.19	0.50
13.	Flood Protection Works Hazipur P.C. in R/B Kailash (T-82)	Shahjahanpur	6.67	6.67	..	..	...	..	..	0.50
14.	Flood Protection Works Atarmia P.C. in R/B Gurra (T-82)		3.66	3.66	..	...	..	..	..	0.50
15.	Flood Protection Works P.C. on Bagul (T-82)	Bareilly	8.11	8.11	...	..	...	..	..	0.50
16.	Flood Protection Works Bahadurganj (T-83)	..	8.25	8.25	...	..	...	...	...	0.50
17.	Flood Protection Works to village Jhal (T-83)	..	9.57	9.57	...	..	...	...	...	0.50
18.	Flood Protection Works village Aghon on Baigul (T-83)	..	14.34	14.34	...	...	...	..	...	0.50
19.	Flood Protection Works Bhutpuri—Chhattarpur (T-79)	Bijnor	10.84	10.84	...	..	...	4.83	.40	0.50

STATEMENT I.F.—5—(Contd.)

(Rupees in lakh)

Sl. No.	Name of Schemes	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985—90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
20.	Flood Protection Works Tiperjot of Khoh river (T—79)	Bijnor	10.32	10.32	..	..	..	3.89	0.40	0.50
21.	Flood Protection Works at Afzalgarh from Nachna nala (T—79)	..	1.53	1.53	..	..	..	1.53	..	0.50
22.	Flood Protection Works Khandar (T—79)	Shahjahanpur	22.36	22.36	..	..	..	9.78	0.40	0.50
23.	Flood Protection Works of Bagha (T—77)	Meerut	38.42	38.42	..	38.42	..	4.83	0.79	0.50
24.	Flood Protection Works of Alipur bund	..	75.00	75.00	..	75.00	..	4.83	0.79	0.50
25.	Flood Protection Works of village Sikandarpur	..	75.00	75.00	..	75.00	..	4.83	1.19	0.50
26.	Protection works on Shukaratal town in Muzaffarnagar in Solarl Khandar area	Muzaffarnagar	100.00	100.00	..	100.00	..	0.59	0.79	0.50
27.	Flood Protection Works of Dahal (T—77)	..	2.99	2.99	..	2.58	..	..	0.40	0.50
28.	Flood Protection Works of Nyamu (T—77)	..	6.87	6.87	..	5.04	..	..	0.79	0.50
29.	Flood Protection Works of village Kukari Khera (T—73)	Pilibhit	1.95	1.95	..	1.95	1.95	..	..	..
30.	Flood Protection Works village Gabhia Sarai and Neoljiya on R/B Sharda (T—80)	..	63.14	63.14	..	..	..	6.78	0.40	0.50
31.	Protection of Nababganj town on river Pangoli (T—78)	Bareilly	6.65	6.65	..	6.65	..	6.48	..	..
32.	Flood Protection Works of Kuskhera on Solani bund (T—80)	Saharanpur	8.13	8.13	4.83	0.79	0.50

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33.	Protection of Rajghat village from river Banganga	Saharanpur	45.00	45.00	..	45.00	0.79	0.50
34.	Flood Protection Works Badkala Rao (T—75)	„	1.35	1.35	..	..	..	..	..	0.500
Total, Anti-Erosion Western Zone		..	721.42	721.42	..	364.27	8.52	97.12	19.47	16.00
Central Zone										
35.	Protection of bank of river Ganga at Dalmaughat in district Rae Bareli	Rae Bareli	60.00	60.00	..	60.00	..	..	3.98	1.00
36.	Protection of banks of Ganga river in district Unnao	Unnao	30.00	30.00	..	200.00	..	..	1.59	1.00
Total, Anti-Erosion Central Zone		..	360.00	360.00	..	250.00	..	..	5.57	2.00
Eastern Zone										
37.	Anti-Erosion Works at Gaighat—Panghatia Karmaini (T—80)	Gorakhpur	11.13	11.13	..	..	..	5.30	5.19	5.00
38.	Anti-Erosion Works of village Banjarha (T—74)	„	7.04	7.04	..	7.04	2.00	..	0.79	1.00
39.	Protection of Thumwa—Bankata Bund (T—78)	„	15.52	15.52	..	15.52	..	..	4.79	5.00
40.	Anti-Erosion Works to Tal Mahulni on Belsar—Rigauli (T—80)	„	12.12	12.12	..	..	..	6.36	6.79	..
41.	Anti-Erosion works of B. P. bund from Km. 17.40 to 18.1 (T—78)	„	7.74	7.74	..	7.74	..	..	10.79	..
42.	Anti-Erosion Works at Dhani on Bolsar Rigauli Bund (T—80)	„	10.50	10.50	..	..	..	4.83	0.79	1.00
43.	Protection of village Jagdishpur (T—74)	„	11.59	11.59	..	11.59	..	..	0.40	1.00
44.	Protection of village Kahrauli (T—74)..	„	4.66	4.66	..	4.66	..	..	0.40	1.00
45.	Protection of village Kudariya (T—74) ..	„	5.55	5.55	..	5.55	..	..	0.40	1.00
46.	Protection of villag Lala Barhara (T—75)	„	4.00	4.00	..	4.00	..	..	2.00	2.00
47.	Protection of village Lalkarith (T—76) ..	Gorakhpur	3.20	3.20	..	3.20	..	..	0.79	1.00
48.	Anti-Erosion works of village Badri (T—76)	„	5.40	5.40	..	5.40	..	..	0.79	1.00

STATEMENT I.F.-4—(Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985-90) approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
49. Anti-Erosion Works along river Rohin Rapti etc. in Gorakhpur	Gorakhpur	200.00	200.00	..	100.00	..	..	8.39	10.00
50. Flood Protection Works at Domra ring bund (T—79)	..	4.13	4.13	..	..	..	..	3.79	4.00
51. Anti-Erosion works of village Silhata Pandey (T—75)	Basti	9.18	9.18	..	9.18	2.00	2.95	0.79	1.00
52. Protection of Supa Advance bund (T—76)	..	4.10	4.10	..	4.10	1.00	..	3.40	..
53. Flood Protection works at Supa Advance bund Km. 7 (T—79)	..	16.15	16.15	..	..	..	1.89	9.19	4.00
54. Protection of village Jankinagar Sahabganj (T—71)	..	3.85	3.85	..	3.85	2.74	..	0.55	..
55. Baloni protection works (T—72)	..	12.75	12.75	..	12.75	1.00	..	1.59	2.00
56. Flood Protection Works at Km. 1.4 to 1.8 Kakrahi—Gonha Bund (T—80)	..	44.68	44.68	..	..	..	..	1.59	2.00
57. Protection works at Km. 25.30 of B. P. bund (T—78)	..	10.80	10.80	..	10.80	..	4.83	0.79	2.00
58. Protection of Km. 31.65 of B. P. bund (T—78)	..	8.93	8.93	..	8.93	..	..	1.59	2.00
59. Anti-Erosion works of village Paraspur grant (T—78)	..	7.40	7.40	..	7.40	..	..	0.79	1.00
60. Flood Protection Works at Nakraghat to Chapra (T—79)	..	32.80	32.80	..	..	..	10.71	1.59	2.00
61. Flood Protection Works at Hariya to Pandulghat (T—79)	..	49.60	49.60	10.72	1.59	3.00

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62.	Flood Protection Works at Km. 31.65 of Bansi Panghatia Bund (T-78)	..	29.55	29.55	3.89	0.40	3.00
63.	Flood Protection Works at Km. 8.5 to 9.2 of Asogawa Nagwa (T-80)	..	9.67	9.67	..	..	..	8.37	0.40	1.00
64.	Anti-Erosion Works at Km. 7.00 of Madharwa—Asogawa R/B of Burhi Rapti (T-78)	..	20.85	20.85	..	..	..	3.54	0.40	2.00
65.	Flood protection works Andhvapar Vikram Jet Dhuswa bund (T-80)	Basti	11.67	11.67	..	..	..	..	0.40	2.00
66.	Anti erosion works of village Bankatha (T-75)	..	7.14	7.14	..	7.14	..	3.54	0.40	1.00
67.	Flood Protection Works at km. 17.1 to 18.1 at Karmaini Bilauli (T-80)	..	23.89	23.89	..	..	..	4.83	0.40	2.00
68.	Protection of village Bharkam Uska P.D. Road (T-78)	..	10.00	10.00	..	10.00	..	..	0.40	1.00
69.	Anti erosion works of Chapra Magrei (T-79)	..	16.92	16.92	..	..	..	..	0.40	1.00
70.	Protection of village Nakayal (T-76)	..	10.43	10.43	..	10.43	..	4.71	0.40	2.00
71.	Flood Protection Works of Village Thumhawa Bankata (T-78)	..	14.00	14.00	..	..	..	..	0.40	2.00
72.	Protection of village Mahan (T-76)	..	18.55	18.55	..	18.55	..	3.34	2.39	..
73.	Flood Protection Works of km 21 of Bansi Panghatia bund (T-81)	..	3.00	3.00	..	..	..	..	0.40	1.00
74.	Protection of Baihaj town (T-76)	..	15.09	15.09	..	15.09	..	..	0.40	2.00
75.	Flood Protection Works Village Guleria Raja (T-81)	..	4.00	4.00	..	..	..	..	0.40	1.00
76.	Anti erosion works of vilage Karampur (T-75)	..	3.52	3.52	..	3.52	..	..	0.40	..
77.	Anti erosion works of village Gaura Patti (T-78)	Faizabad	16.90	16.90	..	16.90	2.63	0.99	0.40	2.00

STATEMENT I.F.-5 (Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985-90) approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
78. Anti erosion works at Village (2) Qadiyana (T-79)	Faizabad	10.90	10.90	..	..	..	..	0.40	2.00
79. Anti erosion works of right bank of of Ghaghra	„	200.00	200.00	..	100.00	..	..	0.40	1.00
80. Protection works Faizabad Cantonment (T-72)	„	22.75	22.75	..	..	..	7.73	0.40	2.00
81. Anti erosion works of village Hazipur Dhuswa (T-76)	Azamgarh	16.03	16.03	..	16.03	3.40	..	0.40	2.00
82. Anti erosion works of village Banepur Mathiya (T-76)	„	9.47	9.47	..	9.47	6.71	1.89	0.40	2.00
83. Anti erosion works of village Rasulpur Imamdinpur (T-77)	„	21.96	21.96	..	20.96	7.50	1.89	0.40	2.00
84. Anti erosion works of near village Gedhani (T-78)	Azamgarh	16.22	16.22	..	16.22	..	..	0.40	2.00
85. Anti erosion works right bank of Ghaghra	„	250.00	250.00	..	146.16	..	..	0.40	1.00
86. Anti erosion works at Kathedia Kudia Lilkar	Ballia	21.84	21.84	..	..	..	..	0.40	1.00
87. Anti erosion works left bank of river, Ganga	„	200.00	200.00	..	100.00	..	..	0.40	1.00
88. Anti erosion works at Kotwa Narainpur (T-80)	„	3.40	3.40	..	..	..	..	0.40	1.00
89. Protection of Chithar thunni bund near village Sarar Majgha gawan (T-78)	Deoria	25.90	25.90	..	25.90	..	..	0.40	1.00

	rotection Works Village Ikauna (T-79)	Deoria	16.00	[16.00	...	...	...	[ 4.71	[0.40	1.00
91.	Flood Protection Works Gajradrauli on Palia Chapra bund (T-80)	"	8.44	[8.44	...	...	...	...	0.40	1.00
92.	Flood Protection Works Village Tighdiba on chear Thumi bund	"	16.43	[16.43	...	...	...	1.89	0.40	[1.00
93.	Flood Protection Works Village Rajdhani (T-72)	"	10.40	10.40	...	...	...	...	0.40	[1.00
94.	Flood Protection Works Village Jai Ram Kaul (T-74)	"	[7.50	7.50	...	...	...	..	0.40	[1.00
95.	Flood Protection Works Village Mapui (T-80)	"	3.37	[3.37	...	...	...	..	0.40	[1.00
96.	Flood Protection Works Village Banketa Misra (T-80)	"	[4.17	[4.17	...	..	...	...	0.40	[1.00
97.	Flood Protection Works Village Baikum thapur (T-80)	"	4.63	4.63	...	..	...	...	0.40	[1.00
98.	Flood Protection Works Village Barjoh (T-76)	"	15.00	15.00	...	..	...	...	0.40	[1.00
99.	Flood Protection Works at km 05 Tigran Tigran Marachi (T-79).	"	14.25	14.25	...	..	...	5.89	0.40	[1.00
100.	Flood Protection Works at km 15 Ikauna on Tigran Marachi (T-79)	"	19.67	[19.67	...	..	...	...	0.40	1.00
101.	Protection to Village Bhatin Bazar (T-80)	"	[4.95	[4.95	...	..	...	4.81	0.40	1.00
102.	Flood Protection Works of Village Tigran (T-80)	"	12.00	[12.00	...	..	...	...	6.00	1.00
103.	Flood Protection Works Amwa Basawan pur (T-82)	"	40.00	[40.00	...	..	...	...	...	1.00
104.	Flood Protection Works Village Pali vadi (T-83)	"	4.55	[4.55	...	..	...	...	...	1.00
105.	Protection of Village Bankeha Misria	"	4.17	[4.17	...	..	...	...	...	1.00
106.	Protection of Village Mahni (T-83)	"	5.29	[5.29	...	..	...	...	..	1.00
107.	Protection of Village Baikuntpur (T-83)	"	4.65	4.65	...	..	...	...	...	1.00

STATEMENT I.F.-5 (Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of (1984-85)	Seventh Plan (1985-90) approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
108. Protection village Jigra (T-83)	Deoria	5.29	5.29	..	..	..	..	..	1.00
109. Protection Village Bheekampur ..	..	3.50	3.50	..	..	..	..	..	1.00
110. Protection Villgae Bedvali (T-83) ..	..	3.44	3.44	..	..	..	..	..	1.00
111. Flood Protection Works Baluhi (T-83)	..	10.05	10.05	..	..	..	..	..	1.00
112. Construction Semrana bund (T-83)	..	53.50	53.50	..	..	..	..	..	7.13
113. Rasingni bund along river Sai (T-83)	Rae Bareli	17.00	17.00	..	..	..	..	..	1.00
114. Construction Badheshra Jamindari bund (T-82)	Azamgarh	29.72	29.72	..	..	..	..	..	1.00
115. Flood Protection Works of Village Ahrauli Pandey (T-80)	Deoria	4.18	4.18	..	..	..	4.10	0.40	1.00
116. Flood Protection Works of Village Vir Singh Par and near Bhatni Sugar Mill (T-80)	..	4.79	4.79	..	..	..	2.95	0.40	1.00
117. Flood Protection Works Village Malibari (T-80)	..	6.08	6.08	..	..	..	..	0.40	1.00
118. Flood Protection Works Village Bhikapur (T-80)	..	5.25	5.25	..	..	..	..	0.79	1.00
119. Flood Protection Works Village Mimnamitra (T-80)	..	5.29	5.29	..	..	..	..	0.79	1.00
120. Providing protection to the banks of Gomti river in district Jaunpur	Jaunpur	100.0	100.00	..	100.00	..	..	1.00	1.00
121. Providing protection to the banks of Gomti river in district Sultanpur	Sultanpur	100.00	100.00	..	100.00	..	..	1.00	1.00
Total, Anti Erosion Eastern Zone		2089.83	2089.83	..	945.73	28.98	116.62	98.33	132.13

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Hill Zone

122.	Isainagar, Lama-Chaur etc. village Flood Protection Scheme (T-78)	Nainital	7.03	7.03	..	7.03	0.79	1.00
123.	Chandrapuri Flood Protection Scheme (T-78)	..	2.20	2.20	..	2.20	..	..	0.79	1.00
124.	Strengthening of Bazpur bund (T-78)	..	32.03	32.03	..	2.20	..	..	3.98	1.00
125.	Flood Protection Works along river Gola	..	25.00	25.00	..	18.38	..	..	3.18	1.00
126.	Flood Protection Works along river Kosi	..	25.00	25.00	..	20.00	..	..	6.69	1.00
127.	Flood Protection Works Kot Kharra (T-80)	..	8.75	8.75	..	..	..	..	1.59	1.00
128.	Flood Protection Works Bhagirathi Basin	Dehradun	30.00	30.00	..	20.00	..	1.00	0.79	1.00
129.	Flood Protection Works Extension of Ganga (T-78)	..	5.50	5.50	..	..	..	..	0.79	1.00
130.	Flood Protection Works in Ganga Basin	..	30.00	30.00	..	20.00	..	..	0.79	1.00
131.	Flood Protection Works Zhabarwala Kulawala Bullarao (T-68)	..	11.03	11.03	..	..	..	..	1.59	1.00
132.	Flood Protection Works in Yamuna basin	..	30.00	30.00	..	20.00	..	..	10.79	1.00
133.	Flood Protection Works Zhabra Khala for Dandi Rao Hathi Kala (T-82)	..	10.98	10.98	..	..	..	..	..	0.50
134.	Flood Protection Works Bhatthi from river Gola (T-83)	..	12.37	12.37	..	..	..	..	..	0.50
135.	Flood Protection Works Nal Choni Pat (T-83)	Tehri	24.27	24.27	..	..	..	..	..	0.50
136.	Flood Protection Works Baint Kheri (T-83)	Nainital	13.09	13.09	..	..	..	..	..	0.50
137.	Flood Protection Works river Vinod (T-83)	Almora	15.00	15.00	..	..	..	..	..	0.50

STATEMENT I.F.-5—(Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985-90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
138. Flood Protection Werks Puranpur Kameta (T-83)	Nainital	4.51	4.51	..	..	..	..	..	0.50
139. Flood Protection Werks Chandanpur (T-83)	"	4.51	4.51	..	..	..	..	..	0.50
140. Flood Protection Werks Lagasu (T-83)	Chamoli	8.08	8.08	..	..	..	..	..	0.50
141. Protection Village Niranjanpur Brahmanwala by Bmdos river (T-83)	Dehradun	26.30	26.30	..	..	..	..	..	0.50
142. Flood Protection Werks in Kosi Basin	Almora	20.00	20.00	..	15.00	..	..	0.40	0.50
143. Flood Protection Werks of Ramganga basin	"	20.00	20.00	..	15.00	..	..	0.40	0.50
144. Flood Protection Werks of Khiroli	"	10.00	10.00	..	10.00	..	..	..	0.50
145. Flood Protection Werks Khatipanday	"	10.00	10.00	..	10.00	..	..	..	0.50
146. Binu river Flood Protection Werks	"	25.00	25.00	..	20.00	..	..	1.39	1.00
147. Protection of Sweldeh from Ramganga basin	Pauri	25.00	25.00	..	..	..	..	..	1.00
148. Flood Protection Werks river Alaknanda basin	"	15.00	15.00	..	10.00	..	..	..	0.50
149. Flood Protection Werks on river Malin	"	15.00	15.00	..	10.00	..	..	..	0.50
150. Flood Protection Werks of village Tejan	Pithoragarh	3.40	3.40	..	3.40	..	..	..	0.50
151. Flood Protection Werks of village Nachini	"	5.00	5.00	..	5.00	..	..	..	0.50
152. Flood Protection Werks of village Thai	"	5.00	5.00	..	5.00	..	..	..	0.50

153.	Flood Protection Works of village Istadunga	Pithoragarh	10.00	10.00	..	10.00	..	..	..	0.50
154.	Assiganga Flood Protection Works (T-78)	Uttarkashi	9.26	9.26	..	9.26	..	..	3.50	0.50
155.	Flood Protection Works Gyansu nala	..	4.08	4.08	..	..	..	..	..	0.50
156.	Protection of August Muni from Mandakini (T-78)	Chamoli	7.53	7.53	..	..	7.53	..	..	0.50
157.	Flood Protection Works Kharasot (T-80)	Tehri	3.66	3.66	..	..	..	4.00	..	..
158.	Flood Protection Works Chaydhey Bigha Dhaluwala (T-80)	..	72.02	72.02	..	..	..	..	1.00	5.00
159.	Gohantal Flood Protection Works	Pauri	10.00	10.00	..	10.00	..	..	..	0.98
160.	Flood protection works Malhen chaur (T-74)	Nainital	3.00	3.00	..	..	..	..	..	0.50
161.	Flood Protection Works Dahela (T-76)	..	4.29	4.29	..	..	..	..	..	0.50
162.	Strengthening Sukhi Flood Protection Works (T-79)	..	29.73	29.73	..	..	..	..	..	0.50
163.	Extension Haripur Maseet (T-79)	..	9.13	9.13	..	..	..	..	..	0.50
164.	Chorpani flood Protection Works (T-71)	..	15.13	15.13	..	..	..	..	..	0.50
165.	Flood Protection Works Puranpur Kametha (Bhakla river) (T-83)	..	4.91	4.91	..	..	..	..	..	0.50
166.	Flood protection Works Baint Kheri (T-83)	..	13.09	13.09	..	..	..	..	..	0.50
167.	Chandanpura Flood Protection Works (T-83)	..	9.02	9.02	..	..	..	..	..	0.50
168.	Kiteha T. P. (Gola nadi) (T-84)	..	17.51	17.51	..	..	..	..	..	0.50
169.	Kedarnath Flood Protection Works (T-73)	Chamoli	15.59	15.59	..	..	..	..	..	0.50
170.	Lagaru flood Protection Works (T-83)	..	8.08	8.08	..	..	..	..	..	0.50
171.	Jeetghotra Flood protection Scheme (T-69)	Almora	4.36	4.36	..	..	..	..	..	0.50

STATEMENT I.F.-5 (Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985-90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
172. Karni Flood Protection Scheme (T-74)	Almora	4.99	4.99	..	..	..	..	..	0.50
173. Flood Protection Scheme in Vinod nadi (T-83)	..	15.00	15.00	..	..	..	..	..	0.50
174. Arakot Flood Protection Scheme (T-68)	Uttarkashi	7.68	7.68	..	..	..	..	..	0.50
175. Remodelling Dhabwala drain	Tehri	12.26	12.26	..	..	..	..	..	3.50
176. Nailcham, Path Flood Protection Scheme	..	21.70	21.70	..	..	..	..	..	0.50
177. Sikhari Flood Protection Scheme	..	6.40	6.40	..	..	..	..	..	0.50
Total, Anti-Erosion ..		808.46	808.46	..	250.00	..	8.50	34.96	38.98
Total, Anti-Erosion Schemes ..		3979.81	3979.81	..	1820.00	37.50	222.24	158.33	189.11
Total, Flood Control Schemes ..		25691.95	25691.95	..	4620.00	296.40	787.48	537.21	847.11

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DRAINAGE SCHEMES

Western Zone

1. Constructing Surajpur Sampark Nala (T-74)	Bulandshahr	3.48	3.48	..	3.48	3.48	2.36
2. Constructing Detai Drain (T-80)	Ghaziabad	36.77	36.77	..	..	..	7.19	31.14	..
3. Constructing Hawalia Nala (T-75) ..	Bulandshahr/ Ghaziabad	51.70	51.70	..	29.26	..	..	20.00	31.70
4. Improving drainage system in district Muzaffarnagar and Saharanpur	Muzaffarnagar/ Saharanpur	800.00	800.00	..	100.00	..	..	1.00	1.00

5. Increasing capacity Baigul escape district Bareilly	Bareilly	24.75	24.75	..	..	6.15	..	19.00	..
6. Constructing link drains in district Meerut	Meerut	200.00	00.00	..	50.00	..	..	1.00	1.00
7. Drain for protection Bhains Nadi ..	Moradabad	21.94	21.94	..	..	..	1.84	25.00	..
8. Remodelling of Western deparation drain	Agra	400.00	400.00	..	50.00	..	..	1.00	1.00
Total, drainage Western Zone		1538.64	1538.64	..	232.74	9.63	9.03	98.14	34.70
Central Zone									
9. Increasing capacity of Behta Nala (T-63)	Hardoi/Sitapur	48.97	48.97	..	48.97	..	4.83	17.00	10.00
10. Master Plan for remodelling of old drains above 8 km. length (T-71)	Sitapur	20.28	20.28	..	20.28	..	..	1.00	2.00
11. Constructing Jarkha drain (T-68) ..	Barabanki	29.77	229.77	..	29.77	..	..	10.00	15.00
Total, Drainage Central Zone		99.02	99.02	..	99.02	..	4.83	28.00	27.00
Eastern Zone									
12. Construction of Kalan Nala (T-79)	Gorakhpur	25.11	25.11	..	..	..	..	7.00	3.00
13. Pipiganj Drain (T-79) ..	..	11.40	11.40	..	..	..	9.78	7.00	..
14. Chomar Drain (T-79) ..	..	12.70	12.70	..	..	..	1.18	0.79	4.00
15. Storm Water drain in (T-79) .. Summer Sagar Illahibagha Area (T-68)	..	36.92	36.92	..	..	10.00	..	11.93	15.00
16. Improving drainage system of Varuna Nadi (T-72)	Allahabad	33.27	33.27	..	33.27	..	..	5.00	5.00
17. Comprehensive drainage plan between Amethi and Jais distributary (T-70)	Sultanpur	43.62	42.62	..	43.62	..	..	5.00	5.00
18. Increasing capacity Visni Nala (T-64)	Faizabad	32.00	32.00	..	..	..	..	11.55	..
19. Improving drainage capacity of Biswi Nadi (T-68)	..	29.35	29.35	..	29.35	..	..	16.82	..
20. Increasing capacity kothi bhar drain (T-68)	..	13.80	13.80	..	..	..	..	6.71	7.00

STATEMENT I.F.-5 (Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1984-85	Seventh Plan (1985-90) approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
21. Improving of Madha Nadi ..	Faizabad	62.00	62.00	..	50.00	..	..	8.0	..
22. Improvement of Majohi Nadi	..	65.00	65.00	..	50.00	..	..	8.0	..
23. Remodelling of Jamua Nala (T-80)	..	10.31	10.31	..	..	..	..	9.0	..
24. Drainage works of Deoria Town	Deoria	169.20	169.20	..	12.00	12.00	..	..	1.00
25. Loop cutting of Bakuahi Nadi ..	Pratapgarh	144.54	144.54	..	50.00	6.00	..	9.0	5.00
Total, Drainage Eastern Zone		679.22	679.22	..	268.24	28.00	10.96	105.04	45.00
Total, Drainage Schemes ..		2316.88	2316.88	..	600.00	37.03	24.82	231.84	106.70
OTHER WORKS									
1. Survey and Investigation Schemes ..		200.00	200.00	..	200.00	..	..	..	..
2. Emergent and Unforseen Schemes ..		200.00	200.00	..	200.00	52.00	29.84	50.00	50.00
3. Reservoir Schemes Diaster preparedness and flood fighting, flood forecasting, flood plan regulations, flood proof shelter, Hydrological analysis preparation of Master Plan valuation etc.		400.00	400.00	..	400.00	..	..	..	..
Total, Other Works ..		800.00	800.00	..	800.00	52.00	29.84	50.00	50.00
Total, Schemes of Seventh Plan		28808.83	28808.83	..	6020.00	386.03	839.44	819.05	1003.81
Total, (A+B+C) ..		53718.94	53718.94	7346.74	16450.00	1636.58	2115.00	2280.00	2700.00

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D—DRAINAGE SCHEME OF INDUSTRIAL AREA

Western Zone

1.	Drainage of Industrial area of Mathura site "A" (Area 360 Acres)	Mathura	140.00	140.00	2.00
2.	Drainage of Industrial area of Sikandrabad	Bulandshahr	365.00	365.00	..	..	..	..	170.00	150.00
3.	Surajpur site A and B	Ghaziabad	280.00	280.00	..	..	..	..	..	3.00
4.	Mathura "A" (Area 358 Acres)	Mathura	140.00	140.00	..	..	..	..	..	3.00
5.	Gajraula (470 Acres)	Moradabad	10.00	10.00	..	..	..	..	..	1.00
6.	Partapur (12 Acres)	Meerut	10.00	10.00	..	..	..	..	..	1.00
7.	Parakhera (357 Acres)	Bareilly	10.00	10.00	..	..	..	..	..	1.00
8.	Ghaziabad Meerut Road	Ghaziabad	350.00	350.00	..	..	..	..	..	5.00
9.	Dasana Area Drain	Ghaziabad	10.00	10.00	..	..	..	..	..	1.00
10.	Ghaziabad Sector, 14 and 17	Ghaziabad	10.00	10.00	..	..	..	..	..	1.00
11.	Syphon over canal for Agra Industrial Area Sikandrabad	Agra	15.00	15.00	..	..	..	..	..	1.00
12.	Syphen over canal for Industrial Area Kosi Kalan	Mathura	15.00	15.00	..	..	..	..	..	1.00
13.	Miscellaneous	U. P.	500.00	500.00	..	..	..	..	..	10.00
Total, Western Zone			1855.00	1855.00	..	..	..	..	170.00	180.00

Central Zone

14.	Rae Bareli site no. 2 (27 Acres)	Rae bareli	40.00	40.00	..	..	..	..	..	4.00
15.	Unnao site nos. 1 and 2 (800 Acres)	Unnao	30.00	30.00	..	..	..	..	..	2.00
16.	Rae bareli site no. 1(130 Acres)	Rae bareli	10.00	10.00	..	..	..	..	..	1.00
17.	Akrampur (100 Acres)	Unnao	50.00	50.00	..	..	..	..	..	2.00
18.	Sandila (1850 Acres)	Hardoi	50.00	50.00	..	..	..	..	..	2.00

STATEMENT I.F.-5 (Contd.)

(Rupees in lakh)

Name of Scheme	District	Approved estimated cost	Latest cost	Expenditure end of 1948-85	Seventh Plan (1985-90) Approved outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Anticipated expenditure	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
19. Awanai (273 Acres)	.. Lucknow	10.00	10.00	..	..	..	..	..	1.00
20. Fatehpur	.. Fatehpur	10.00	10.00	..	..	..	..	..	1.00
21. Sarojani Nagar (235 Acres)	.. Lucknow	10.00	10.00	..	..	..	..	..	1.00
22. Bakroera (6 Acres)	.. Rae bareli	10.00	10.00	..	..	..	..	..	1.00
23. Chinhat	.. Lucknow	60.00	60.00	..	..	..	10.00	10.00	20.00
Total, Central Zone	..	280.00	280.00	..	..	..	10.00	30.00	35.00
Eastern Zone									
24. Jagdishpur (1700 Acres)	.. Sultanpur	460.00	460.00	..	..	..	84.00	200.00	168.00
25. Basti (83 Acres)	.. Basti	40.00	40.00	..	..	..	..	..	2.00
26. Faizabad site A+B (110 Acres)	.. Faizabad	10.00	10.00	..	..	..	..	..	1.00
27. Kanhar	.. Sultanpur	20.00	20.00	..	..	..	..	..	1.00
28. Kanpur Dehats (Rama site 1' and 2)	.. Kanpur Dehat	150.00	150.00	..	..	..	..	..	5.00
29. Tikariya	.. Sultanpur	10.00	10.00	..	..	..	..	..	1.00
30. Satharia	.. Jaunpur	10.00	10.00	..	..	..	..	..	1.00
31. Jainpur	.. Kanpur Dehat	10.00	10.00	1.00
Total, Eastern Zone	..	710.00	710.00	84.00	200.00	180.00

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Bundelkhand Zone											
32.	Suwarpur	..	Hamirpur	20.00	20.00	1.00	
33.	Rajiya	..	Orai	15.00	15.00	1.00	
34.	Bargarh	..	Banda	10.00	10.00	..	..	..	..	1.00
Total, Bundelkhand Zone				45.00	45.00	..	..	..	..	3.00
Hills											
35.	Kashipur	..	Nainital	50.00	50.00	..	..	..	..	1.00
36.	Near village Saira Knera (Chakrata Road)	..	Dehradun	10.00	10.00	..	..	..	..	1.00
Total Hills				60.00	60.00	..	..	..	..	2.00
Total (D) Industrial Drainage				2950.00	2950.00	94.00	400.00	400.00
Total (C and D)				56668.94	56668.94	7346.74	16450.00	1636.58	2209.00	2680.00	3100.00
Expenditure on completed Schemes				..	13313.35	-
GRRND TOTAL				56668.94	56668.94	20660.09	16450.00	1636.58	2209.00	2680.00	3100.00

STATEMENT—I.F.-6

Flood Control Projects—Targets and Achievements

Item	Ultimate benefit	Achievement to end of 1984-85	Seventh Plan (1985-90) Target	1985-86 Actual achievement	1986-87 Actual Achievement	1987-88* Anticipated achievement	1988-89* Target
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Volume of field storage created (m.cu.m.)	..	..	..	..	..	..	..
2. Length of embankment (Km.)	..	1666	250	20	25	22	22
3. Town protection works (Numbers)	..	64	5	..	..	..	..
4. Raising of villages (Numbers)	..	4500	..	..	..	..	..
5. Length of drainage	..	12748	400	40	50	40	50
6. Area to be benefited (Lakh ha.)							
(i) Flood control, drainage and anti-water logging measures	58.72	13.76	3.00	0.20	0.30	0.28	0.35
(ii) Anti-sea erosion measures	..	..	..	..	..	..	..
7. Length of sea well (Km.)	..	..	..	..	..	..	..

* This includes benefits to sectoral projects also.

STATEMENT—I.F. 7

Requirements of Scarce Materials

Item	Unit	Seventh Plan (1985—90)		1985-86 Actual		1986-87 Actual		1987-88 Anticipated		1988-89 Proposed	
		Major and Medium Irrigation Projects	Flood Control	Major and Medium Irrigation Projects	Flood Control	Major and Medium Irrigation Projects	Flood Control	Major and Medium Irrigation Projects	Flood Control	Major and Medium Irrigation Projects	Flood Control
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1. Cement	.. (Metric Tonnes)	1150000	53600	234900	5000	236200	7600	237500	13500	238000	15000
2. Steel	.. (Metric Tonnes)	1280000	10700	21800	1000	22200	1490	23500	2700	24000	3000
3. Coal	.. (Metric Tonnes)	160000	8000	32200	700	33200	1000	34000	1700	34500	2,000
4. Diesel	.. (Litres)	36000000	21,00,000	7462000	187000	7478000	298000	7480000	5,10,000	7485000	6,20,00
5. Explosives :											
(i) Ordinary	.. Nos.	230000	..	42800	..	46000	..	..	..	..	..
(ii) Gelectine	.. Kg.	160000	..	30500	..	31000	..	32000	..	32500	..
(iii) Fuse coil	.. Nos.	180000	..	35000	..	36000
(iv) Electric Dectonators	Nos.	180000	..	35000	..	36000

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STATEMENT—I. F. 8

Employment

(In Absolute no. of Mandays in lakh)

Item	Major and Medium Irrigation					Flood Control				
	Seventh Plan Target	1985-86 Actual	1986-87 Achieve- ment	1987-88 Antici- pated	1988-89 Target	Seventh Plan Target	1985-86 Actual	1986-87* Achieve- ment	1987-88* Antici- pated	1988-89* Target
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. <i>Engineers :</i>										
(a) Graduate	1.85	0.26	0.30	0.33	0.40	4.40	0.48	0.58	1.03	1.20
(2) Diploma Holder ..	9.55	1.34	1.56	1.70	2.08	9.60	0.95	1.17	2.06	2.40
2. Skilled workman and skilled labourers	168.60	66.00	76.62	83.92	102.30	42.90	4.52	5.26	9.97	11.00
3. Unskilled labourers	3574.50	495.10	574.67	629.35	767.23	258.10	27.40	33.60	34.00	40.00
Total ..	3994.50	562.70	653.20	753.30	872.00	315.00	33.35	40.61	47.46	55.20

*This includes for outlays under sectoral projects.

STATEMENT—IF. 11

Water Rates for the Principal Crops

Name of Crop	Water rates in Rs./ha -	Date of enforcement of present water rates	Proposal if any under consideration regarding revision of water rates
(1)	(2)	(3)	(4)
1. Sugarcane	237.20	July 1983	Proposals for further revision are under consideration.
2. Rice	143.30		
3. Potato	177.90		
4. Tobacco	153.20		
5. Green Vegetable	143.30		
6. Wheat	143.30		
7. Cotton	56.80		
8. Fodder	49.40		
9. Green Manure	34.50		
10. Other Rabi Crops	106.30		
11. Other Kharif Crops	86.50		

STATEMENT—IF. 12

Maintenance of Major and Medium Irrigation and Flood Control Projects

Year	Major and Medium Irrigation		Flood Control
	Total area irrigated (Million ha.)	Maintenance grant (Rs. lakh)	Maintenance grant (Rs. lakh)
(1)	(2)	(3)	(4)
1. 1985-90	5.50]	9700.00	4303.00
2. 1985-86 (Actual)	4.75	1876.00	143.15
3. 1986-87 :			
(i) As per Seventh Finance Commission	--	--	Approx. 1/5th of 4303—860.00 lakh
(ii) As budgetted by State .. .. .	..	..	601.00
(iii) As Anticipated	4.41	2658.00]	601.00
4. 1987-88			
(i) As per Eighth Finance Commission	..	..	Approx. 860.00
(ii) As Budgetted by State .. .. .	..	..	1001.00
(iii) As anticipated	4.35	2924.00	1001.00
5. 1988-89			
(i) As per Eighth Finance Commission	..	..	Aprox. 860.00
(ii) As proposed	4.75	3216.00	2100.00

STATEMENT I.F.—13

Minor Irrigation Programme

(Rupees in Crore)

Name of the Project	Estimated Cost to Seventh Plan		Seventh Plan Outlay	During 1985-86		During 1986-87		During 1987-88 (Anticipated)		Balance cost to Annual Plan 1988-89		During 1988-89	
	No.	Cost	Approved by P.C.	No. completed during the year	Actual expenditure	No. completed during the year	Actual expenditure	No. completed during the year	Anticipated expenditure	No.	Cost	No.	Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
I. State Minor Irrigation													
A. SURFACE WATER SCHEMES (FLOW AND LIFT)													
Pre-Seventh Plan Schemes (other than externally aided)	55.50	N.A.	11.76	N.A.	13.03	N.A.	14.00	N.A.	14.30	N.A.	14.30
B. GROUND WATER SCHEMES													
(1) Normal Programme	157.00	N.A.	45.83	N.A.	44.87	..	46.21	..	..	..	44.96
(2) World Bank and Indo Dutch Schemes.	270.65	N.A.	43.20	N.A.	50.68	..	53.25	..	..	..	58.00
Sub-Total	483.15	..	100.80	..	108.58	..	113.46	..	..	..	117.26
II. Private Minor Irrigation													
C. Surface Water Schemes	8.10	..	1.44	..	1.39	..	1.29	..	..	..	1.37
D. Ground Water Schemes	61.90	..	9.30	..	11.64	..	11.01	..	..	..	11.79
Sub-total	70.00	..	10.74	..	13.03	..	12.30	..	..	..	13.16
III. Other Minor Schemes													
Ground Water Investigation	0.85	..	0.32	..	0.64	..	1.50	..	..	..	1.80
Total, Minor Irrigation	554.00	..	111.86	..	122.25	..	127.26	..	..	..	132.22

STATEMENT—I.F. 14

Physical targets for Minor Irrigation Programme

('000 ha.)

Item	Achievements to end of 1984-85		Seventh Plan target		During 1985-86 actual		During 1986-87 actual		During 1987-88				During 1988-89 proposed target	
									Target		Anticipated achievement			
	No.	Poten- tial	No.	Poten- tial	No.	Poten- tial	No.	Poten- tial	No.	Poten- tial	No.	Poten- tial	No.	Poten- tial
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
I. POTENTIAL CREATED FROM														
(A) Surface Water Schemes of State Minor Irrigation		599		28		6.3		7.78		5		5		7
(B) Ground Water Schemes of Irrigation	24782	2744	6750	675	1277	127.7	1341	134.1	1100	110	1100	110	1200	120
Total (A+B)		3343		703		134.0		141.88		115		115		127
II. UTILISATION FROM														
(A) Surface Water Schemes of State Minor Irrigation		318		26		2.0		2		2		2		3
(B) Ground Water Schemes of Irrigation		1218		607		38.0		30		50		50		40
Total (A+B)		1536		633		40.0		32		52		52		43
I. POTENTIAL CREATED FROM														
(A) Surface Water Schemes of Private Minor Irrigation		250		113		18		21.5		22		19		12
(B) Ground Water Schemes		9009		3387		692		707.5		673		699		601
Total (A+B)		9259		3500		710		729		695		718		713
Private Minor Irrigation (a) Dug/Masonry wells	717485	7175	30000	30	3508	3.5	2279	2.3	3200	3.2	3200	3.2	1500	1.5

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(b) Boring of wells

(c) Deepening of wells

(d) Shallow/filter pair/Private tubewells/Pump set 1782793 89140 660000 33000 136982 6849 140726 7036 139591 6979.5 13951 6979.5 119560 5978

(e) Pumpsets 1299145 64957 3,60,000 18000 115856 5793 111933 5596 119091 5954.5 119091 5954.5

(f) Electrical pumpsets 483648 24183 3,00,000 15000 21126 1056 28793 1440 20500 102.5 20500 1025

STATEMENT—I.F. 15

Maintenance of State Minor Irrigation works

Period	Total area irrigated (Million hectare)	Maintenance grant (Rs. in lakh)		
		Surface water scheme	Ground water scheme	Total
(1)	(2)	(3)	(4)	(5)
1984-85 (Actual)	0.83	1351.28	3352.67	4703.95
Seventh Plan (Target)	1.0	7000.00	20000.00	7000.00
1985-86 (Actual)	0.93	975.56	3006.87	3982.43
1986-87 (Actual)	0.95	1200.00	4714.34	5914.34
1987-88(Anticipated)	0.96	1213.04	5037.80	6250.84
1988-89 (Target)	0.98	1250.00	5200.00	6450.00

STATEMENT—I. F. 16

State Minor Irrigation Programme

I. - Requirement of Materials and Energy -

Period	(Metric tonnes)		
	Cement	Steel	Coal
(1)	(2)	(3)	(4)
(i) 1984-85 (Actual)	40,000	7,000	..
(ii) Seventh Plan (Target)	1,80,000	37,000	..
(iii) 1985-86 (Actual)	40,000	7,000	..
(iv) 1986-87 (Actual)	40,000	7,500	..
(v) 1987-88 (Anticipated)	40,000	7,500	..
(vi) 1988-89 (Target)	30,000	7,500	..

II. Requirement of Electrical Power for Pumping

Period	Load in MW	Consumption of electricity in Million Units/year	
(i) 1984--85(Actual)	300	N.A.	
(ii) Seventh Plan (Target)	110	N.A.	
(iii) 1985-86 (Actual)	20	N.A.	
(iv) 1986-87 (Actual)	20	N.A.	
(v) 1987-88 (Anticipated)	15	N.A.	
(vi) 1988-89 (Target)	15	N.A.	

STATEMENT I.F.—17

State Minor irrigation Programme—Employment Potential

(Lakh—Mand ays)

Item	1985-90 Target	1985-86 Achieve- ment	1986-87 Antici- pated	1987-88 Antici- pated	1988-89 Proposed
(1)	(2)	(3)	(4)	(5)	(6)
1. Engineers:					
(a) Graduate	2.5	0.5	0.3	0.5	0.6
(b) Diploma holders	9.0	2.0	1.3	2.0	2.0
2. Skilled workmen	5.0	1.2	.14	1.5	1.5
3. Unskilled workmen	20	0.5	4.5	5.5	6.0

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STATEMENT I. F.—18

Selected Physical Achievements and targets

Units Nos.

Item	Upto 1984-85 Actual	Seventh Plan target	1985-86 Actual	1986-87 Actual	1987-88		1988-89 Target proposed
					Target	Antici- pated	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
11. Dug, Masonry wells	71748	30000	3508	2279	3200	3200	1500
2. Boring of wells	..	..	..	..	..	..	..
3. Deepening of wells	..	..	..	..	..	..	..
4. Shallow tubewells/Pump sets on boring filter point tubewells	17,82,793	6,10,000	1,36,982	1,40,726	1,39,591	1,39,591	1,19,560
5. State Tubewells (Deep)							
(i) Drilled	.. 26252	7000	1127	873	500	500	1200
(ii) Energised	.. 24782	6750	1277	1341	1100	1100	1200
(iii) Operating	.. 23226	6070	796	981	1097	1097	1200
6. Diesel pumpsets	.. 12,99,145	3,60,000	1,15,856	1,11,933	1,19,091	1,19,091	..
7. Electrical pumps	.. 4,83,648	3,00,000	21,126	28,793	20,500	20,500	..

STATEMENT CAD—1

Outlays and Expenditure in State Sector

(Rupees in lakh)

Name of the Project	Esti- mated cost	Expen- diture to the end of Sixth Plan	Seventh Five year Plan (1985— 90) Approved outlay	1985-86 Actual expen- diture	Approved outlay 1986-87 Actual	1987-88 Appro- ved outlay	1988-89 Antici- pated expen- diture	Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A. ON GOING SCHEMES PRE- SEVENTH PLAN SCHEME								
1. Sharda Sahayak	12000.00	4893.03	5000.00	712.79	1177.44	1490.00	1346.00	1420.00
2. Ramganga ..	9265.45	4441.45	4800.00	342.08	799.47	950.00	1006.00	1000.00
3. Gandak ..	2976.26	1380.26	450.00	156.84	171.41	180.00	178.00	130.00
4. New command ..	N.F.	Nil	450.00	..	..	..	..	..
Total	24241.71	10714.74	10700.00	1211.71	2148.32	2530.00	2530.00	2550.00

STATEMENT CAD-2

Programme of works in the State Sector showing expenditure/outlays for various activities of Command Area Development Projects

(Rupees in lakh)

Item of works	Approved	1985-86	1986-87	1987-88		1988-89	
	Seventh Plan outlays	Actual expendi- ture	Actual expendi- ture	Approved outlay	Antici- pated expenditure	Proposed outlay	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1.. Establishment of CAD Authorities both at State and Project level	3910.00	724.26	782.09	856.00	801.00	915.00	
2.. Survey, Planning, Design and Supervision of OFD works							
3.. Construction of field channels and related structures	6260.00	475.50	1327.00	1464.00	1567.00	1445.00	
4.. Other on-farm development works							
5.. Special loan fund for ineligible farmers	..	..	..	..	..	..
6.. Crop compensation .. ..	..	..	..	..	..	..
7.. Equity capital support to L.D.Bs etc.	..	..	..	..	..	..
8.. Debenture support/Injection of share capital to primary L.D.Bs. to reduce overdues position	..	..	..	..	..	..
9.. Loan for the purchase of equipment to Agro-Industries Corporation etc. for OFD works	..	..	..	..	..	..
10.0. Consolidation of holdings/realign- ment of field boundaries	..	..	..	..	..	..
11.1. Construction of roads	..	..	..	..	..	..
12.2. Construction of markets	..	..	..	..	..	..
13.3. Demonstration farms etc.	..	..	..	..	..	..
14.1. Any other activities :							
(a) Infrastructure	220.00	11.50	34.23	100.00	100.00	85.00
(b) Training	}	310.00	0.45	5.00	110.00	62.00	105.00
(c) Adaptive Trial							
(d) Others
Total ..	10700.00	1211.71	2148.32	2530.00	2530.00	2550.00	

STATEMENT CAD—3

Achievements and targets for various activities of CAD Programme

Item of works	Unit of work	Achievement to end of Sixth Plan	Seventh Plan target	Actual achievement		1987-88		1988-89 Target
				1985-86	1986-87	Target	Anticipated achievement	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Preparation of Plans and designs	'000 ha.	3240.55	2253.00	245.21	206.86	85.00	85.00	234.00
2. Construction of field channels	'000 ha.	2472.00*	2253.00	268.45*	231.37	224.50	224.50	234.00
3. Other on-farm development works								
(a) Land levelling	'000 ha.	11,115	..	224.50	0.10	..	..	..
(b) Construction of field drains	kms.	11904.51	11265.00	2490.65	2642.53	1150.00	1150.00	1872.00
(c) Lining of field channels	kms.	1257 3.62	11265.00	2185.86	1768.10	1790.00	1790.00	1872.00
4. Consolidation of land holdings/ Realignment of field boundaries	ha.	..	..	..	..	..	..	..
5. Construction of Chak Roads in Command Areas	km.	20598.82	11265.00	3722.15	3412.09	..	..	..
6. Construction of markets in Command Areas	Nos.	..	..	..	..	..	..	..
7. Construction of main drains	km./ha.	..	..	..	..	..	..	..
8. Any other activities (Adopt suitable units of works)	..	..	..	..	..	..	..	..
(a) Soil Survey	'000 ha.	5120.80	2700.00	486.43	540.70	..	..	..
(b) Construction of Water Control structures	Nos.	2,86,616	2,25,300	49843	49227	29850	29850	37440
(c) Osrabandi	'000 ha.	400.00	3415.00	231.88	301.20	340.00	340.00	398.00

NOTE : Figures are based on norms (1 km. of Kachcha Channel Covers 20 hectares).

*Figures are liable to be changed after the result of Joint Verification of Irrigation Department and Command Area Development Authority.

STATEMENT CAD—4

Project-wise Targets and Achievements in respect of construction of field channels and land levelling under the CAD Programme

(In thousand hectares)

Name of Project	Cumulative achievements to end of Sixth Plan 1984-85	Seventh Plan Target (Additional)	1985-86 Actual achievement	1986-87 Additional achievement	1987-88		1988-89 Target
					Target	Anticipated achievement	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Sharda Sahayak							
(a) Construction of field channels	1229.00*	1002.00	66.00*	70.00	75.00	75.00	86.00
(b) Land levelling	--	--	--	--	--	..	..
(c) Osrabandi	.. 193.07	1780.00	130.82	155.63	160.00	160.00	210.00
2. RAMGANGA							
(a) Construction of field channels	896.00*	1006.00	140.78*	155.40	140.00	140.00	140.00
(b) Land levelling	.. 8.58	--	--	--	--	--	..
(c) Osrabandi	-- 136.49	1300.00	70.70	126.17	140.00	140.00	140.00
3. GANDAK							
(a) Construction of field channels	346.62*	30.00	15.37*	5.87	9.50	9.50	8.00
(b) Land levelling	.. 2.54	..	0.23	0.10	..	..	..
(c) Osrabandi	.. 70.44	335.00	30.36	10.40	40.00	40.00	40.00
4. NEW COMMAND							
(a) Construction of field channels	..	215.00	--	..	--	..	..
(b) Land levelling	..	..	..	..	..	..	..
(c) Osrabandi	..	..	..	..	..	..	..

* Figures are based on norms (1 km. Kachcha Channel Covers 20 hectares.). Actual progressive area under verification by joint team of Irrigation and Command Area Authorities. Figures are liable to be changed after the results of joint verification.

STATEMENT CAD-5

Progress and Target of creation and utilisation of Potential of CAD Projects

(Lakh Hectares)

Name of Irrigation project	District benefited	Utiliza- tion of Irriga- tion poten- tial	Cumulative benefits to end of												
			1984-85		Seventh Plan (Target)		1985-86 (Actual)		1986-87 (Actual)		1987-88 (Anticipated)		1988-89 (Target)		
			Poten- tial	Utiliza- tion	Poten- tial	Utiliza- tion	Poten- tial	Utiliza- tion	Poten- tial	Utiliza- tion	Poten- tial	Utiliza- tion	Poten- tial	Utiliza- tion	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
1. Sharda Sahayak	1. Lucknow	}	19.23	13.50	8.04	*	*	14.08	7.93	14.28	6.96	*	*	*	*
	2. Rae-bareli														
	3. Sitapur														
	4. Kheri														
	5. Faizabad														
	6. Sultanpur														
	7. Pratapgarh														
	8. Barabanki														
	9. Varansi														
	10. Jaunpur														
	11. Ghazipur														
	12. Ballia														
	13. Azamgarh														
	14. Allahabad														
2. Ramganga	1. Aligarh	}	13.72	13.72	10.67	13.72	13.72	13.72	10.43	13.72	10.60	13.72	10.75	*	*
	2. Mathura														
	3. Agra														
	4. Mainpuri														
	5. Etah														
	6. Farrukhabad														
	7. Etawah														
	8. Kanpur Nagar														
	9. Kanpur Dehat														
	10. Fatehpur														
	11. Allahabad														
3. Gandak	1. Gorakhpur	}	3.08	2.87	1.92	2.87	2.87	2.87	2.19	2.87	2.80	2.87	2.87	*	*
	2. Deoria														

* Not Finalized

STATEMENT CAD—6

Command Area Development Programme Outlays and Expenditure

(Rupees in lakhs)

Source of Finance	Seventh Five Year Plan outlay	1985-86 Actual expendi- ture	1986-87 Actual expendi- ture	1987-88 Anticipated expendi- ture	1988-89 Proposed outlay
(1)	(2)	(3)	(4)	(5)	(6)
1. State	10700.00	1211.71	2148.32	2530.00	2550.00
2. Centre :					
(a) Grants	8290.00	1030.21	1036.09	1953.25	1959.25
(b) Loans	2190.00	170.00	478.00	483.50	505.75
(c) Equity Capital Support to L.D.Bs. etc. .. .. .	..	..	..	..	..
33. Institutional .. .. .	..	..	..	..	..
Total	21180.00	2411.92	4262.41	4973.50	5015.00

STATEMENT CAD-7

Command Area Development Programme--Improvement in yield/ha. achieved
from the Programme

(Metric Tonnes)

Period	Kharif	Rabi
(1)	(2)	(3)
1985-86 (Actual)	1.44	1.83
1986-87 (Actual)	1.60	1.95
1987-88 (Anticipated)	1.69	2.06
1988-89 (Proposed)	1.70	2.10
1985-90 (Proposed)	1.84	2.17

STATEMENT CAD-8

Estimate of Employment Potential likely to be generated from the Programme during the Plan period

Period	(Lakh man days)
1985-86 (Actual)	67.45
1986-87 (Actual)	95.41
1987-88 (Anticipated)	121.55
1988-89 (Proposed)	125.00

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