

REPORT ON CENSUS OF MINOR IRRIGATION SCHEMES 1993-94

PART- IV

III. DEEP TUBEWELLS

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.1 Construction of Deep Tubewells over the year

State : ANDHRA PRADESH

(in Nos.)

Construction of Deep Tubewells over the years										
Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	ADILABAD	39	13	12	4	8	3	12	5	96
2.	CHITTOOR	862	276	448	451	755	902	1001	771	5466
3.	CUDDAPAH	1456	477	711	1359	1123	1270	850	714	7960
4.	EAST GODAVARI	1436	130	176	182	84	116	88	105	2317
5.	GUNTUR	54	44	127	119	170	93	26	34	667
6.	KARIMNAGAR	68	3	12	5	12	8	7	2	117
7.	KHAMMAM	440	40	20	16	11	4	4	2	537
8.	KRISHNA	375	29	53	70	62	68	118	73	848
9.	KURNOOL	87	49	153	149	275	370	252	259	1594
10.	MAHABOOB NAGAR	37	5	6	11	4	8	5	33	109
11.	MEDAK	15	0	3	2	7	4	17	15	63
12.	NALGONDA	6	0	0	0	0	2	0	0	8
13.	NELLORE	33	9	16	21	21	59	29	25	213
14.	PRAKASAM	22	25	10	13	24	37	22	25	178
15.	RANGA REDDY	8	3	3	6	17	9	15	25	86
16.	SRIKAKULUM	13	6	4	2	5	4	5	3	42
17.	VISAKHAPATNAM	5	1	2	1	1	6	0	2	18
18.	WARANGAL	81	3	18	18	23	34	26	10	213
19.	WEST GODAVARI	4098	1017	1174	1332	868	770	592	833	10684
* State Total :		9135	2130	2948	3761	3470	3767	3069	2936	31216

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.2 Distribution according to ownership

State : ANDHRA PRADESH

(in Nos.)

Tubewells Owned by								
Sl. No.	Name of District	Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	ADILABAD	0	0	0	26	0	70	96
2.	CHITTOOR	0	0	0	326	0	5140	5466
3.	CUDDAPAH	13	8	1	1380	0	6558	7960
4.	EAST GODAVARI	229	9	1	24	0	2054	2317
5.	GUNTUR	1	0	0	1	0	665	667
6.	KARIMNAGAR	85	0	0	0	0	32	117
7.	KHAMMAM	218	3	0	0	0	316	537

8.	KRISHNA	0	1	0	68	0	779	848
9.	KURNOOL	0	0	0	8	0	1586	1594
10.	MAHABOOB NAGAR	0	0	0	2	0	107	109
11.	MEDAK	0	0	0	0	0	63	63
12.	NALGONDA	0	0	0	0	0	8	8
13.	NELLORE	1	2	0	20	0	190	213
14.	PRAKASAM	0	0	0	7	0	171	178
15.	RANGA REDDY	0	0	0	10	0	76	86
16.	SRIKAKULUM	27	0	0	6	0	9	42
17.	VISAKHAPATNAM	3	0	0	4	0	11	18
18.	WARANGAL	29	14	2	4	0	164	213
19.	WEST GODAVARI	130	2	5	311	0	10236	10684

* State Total :		736	39	9	2197	0	28235	31216

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : ANDHRA PRADESH

(in Nos.)

According to Farmers' Holding size						

Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)

1	2	3	4	5	6	7

1.	ADILABAD	0	2	3	21	26
2.	CHITTOOR	47	113	153	13	326
3.	CUDDAPAH	152	500	672	56	1380
4.	EAST GODAVARI	2	3	16	3	24
5.	GUNTUR	1	0	0	0	1
6.	KARIMNAGAR	0	0	0	0	0
7.	KHAMMAM	0	0	0	0	0
8.	KRISHNA	8	4	47	9	68
9.	KURNOOL	0	1	7	0	8
10.	MAHABOOB NAGAR	1	0	1	0	2
11.	MEDAK	0	0	0	0	0
12.	NALGONDA	0	0	0	0	0
13.	NELLORE	0	4	14	2	20
14.	PRAKASAM	0	0	7	0	7
15.	RANGA REDDY	0	1	6	3	10
16.	SRIKAKULUM	6	0	0	0	6
17.	VISAKHAPATNAM	2	2	0	0	4
18.	WARANGAL	0	2	2	0	4
19.	WEST GODAVARI	52	77	157	25	311

* State Total :		271	709	1085	132	2197

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.4 Distribution of Tubewells according to social status

State : ANDHRA PRADESH

(in Nos.)

Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	ADILABAD	23	1	2	26	70	96
2.	CHITTOOR	32	3	291	326	5140	5466
3.	CUDDAPAH	123	13	1244	1380	6580	7960
4.	EAST GODAVARI	6	0	18	24	2293	2317
5.	GUNTUR	0	0	1	1	666	667
6.	KARIMNAGAR	0	0	0	0	117	117
7.	KHAMMAM	0	0	0	0	537	537
8.	KRISHNA	39	1	28	68	780	848
9.	KURNOOL	1	0	7	8	1586	1594
10.	MAHABOOB NAGAR	0	0	2	2	107	109
11.	MEDAK	0	0	0	0	63	63
12.	NALGONDA	0	0	0	0	8	8
13.	NELLORE	2	0	18	20	193	213
14.	PRAKASAM	4	0	3	7	171	178
15.	RANGA REDDY	0	1	9	10	76	86
16.	SRIKAKULUM	0	0	6	6	36	42
17.	VISAKHAPATNAM	1	1	2	4	14	18
18.	WARANGAL	2	0	2	4	209	213
19.	WEST GODAVARI	33	3	275	311	10373	10684
* State Total :		266	23	1908	2197	29019	31216

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.5 Distribution of Tubewells by its status

State : ANDHRA PRADESH

(in Nos.)

Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Not in Use		----- Others	Total (4 to 7)	Grand Total (3 + 8)
				Dried up	Destroyed			
1	2	3	4	5	6	7	8	9
1.	ADILABAD	75	17	0	0	4	21	96
2.	CHITTOOR	5363	78	16	6	3	103	5466
3.	CUDDAPAH	7299	450	124	67	20	661	7960
4.	EAST GODAVARI	2219	63	29	6	0	98	2317
5.	GUNTUR	577	90	0	0	0	90	667
6.	KARIMNAGAR	76	25	3	8	5	41	117
7.	KHAMMAM	482	47	6	2	0	55	537
8.	KRISHNA	830	17	1	0	0	18	848

9. KURNOOL	1515	76	3	0	0	79	1594
10. MAHABOOB NAGAR	83	25	1	0	0	26	109
11. MEDAK	57	6	0	0	0	6	63
12. NALGONDA	8	0	0	0	0	0	8
13. NELLORE	155	54	4	0	0	58	213
14. PRAKASAM	175	3	0	0	0	3	178
15. RANGA REDDY	86	0	0	0	0	0	86
16. SRIKAKULUM	37	1	0	2	2	5	42
17. VISAKHAPATNAM	18	0	0	0	0	0	18
18. WARANGAL	190	14	9	0	0	23	213
19. WEST GODAVARI	10594	26	4	56	4	90	10684
* State Total :	29839	992	200	147	38	1377	31216

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : ANDHRA PRADESH

(in Nos.)

		Source of Finance for constructing Tubewells					
Sl. No.	Name of District	Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	ADILABAD	30	27	23	16	0	96
2.	CHITTOOR	1043	4243	70	70	40	5466
3.	CUDDAPAH	1525	5916	407	75	24	7947
4.	EAST GODAVARI	336	1019	572	147	14	2088
5.	GUNTUR	10	595	56	4	1	666
6.	KARIMNAGAR	1	0	0	31	0	32
7.	KHAMMAM	89	184	22	0	24	319
8.	KRISHNA	98	301	368	20	61	848
9.	KURNOOL	378	955	251	1	9	1594
10.	MAHABOOB NAGAR	40	67	0	1	1	109
11.	MEDAK	19	28	13	2	1	63
12.	NALGONDA	8	0	0	0	0	8
13.	NELLORE	70	125	8	3	6	212
14.	PRAKASAM	26	134	8	1	9	178
15.	RANGA REDDY	11	65	10	0	0	86
16.	SRIKAKULUM	4	6	4	0	1	15
17.	VISAKHAPATNAM	2	0	1	3	9	15
18.	WARANGAL	100	19	2	30	33	184
19.	WEST GODAVARI	1922	6560	1822	172	78	10554
* State Total :		5712	20244	3637	576	311	30480

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.7 Tubewells according to water distribution system

State : ANDHRA PRADESH		(in Nos.)					

According to Water Distribution System							

Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	Total (3 to 7)

1	2	3	4	5	6	7	8

1.	ADILABAD	19	14	60	3	0	96
2.	CHITTOOR	85	37	4153	1136	55	5466
3.	CUDDAPAH	94	28	7012	768	58	7960
4.	EAST GODAVARI	2	2	2249	1	63	2317
5.	GUNTUR	0	0	438	0	229	667
6.	KARIMNAGAR	0	0	96	20	1	117
7.	KHAMMAM	0	9	525	3	0	537
8.	KRISHNA	1	1	840	0	6	848
9.	KURNOOL	0	5	1138	56	395	1594
10.	MAHABOOB NAGAR	0	0	96	10	3	109
11.	MEDAK	0	1	27	14	21	63
12.	NALGONDA	0	0	6	2	0	8
13.	NELLORE	0	5	190	16	2	213
14.	PRAKASAM	0	0	173	5	0	178
15.	RANGA REDDY	0	0	65	21	0	86
16.	SRIKAKULUM	1	1	28	0	12	42
17.	VISAKHAPATNAM	0	0	17	0	1	18
18.	WARANGAL	1	1	182	28	1	213
19.	WEST GODAVARI	7	56	10397	30	194	10684

* State Total :		210	160	27692	2113	1041	31216

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.8 Distribution of Tubewells according to lifting device

State : ANDHRA PRADESH		(in Nos.)			
		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	ADILABAD	96	0	0	96
2.	CHITTOOR	5445	7	14	5466
3.	CUDDAPAH	7873	85	2	7960
4.	EAST GODAVARI	2304	13	0	2317
5.	GUNTUR	663	4	0	667
6.	KARIMNAGAR	117	0	0	117

7. KHAMMAM	535	2	0	537
8. KRISHNA	823	25	0	848
9. KURNOOL	1575	19	0	1594
10. MAHABOOB NAGAR	108	1	0	109
11. MEDAK	63	0	0	63
12. NALGONDA	8	0	0	8
13. NELLORE	191	22	0	213
14. PRAKASAM	153	24	1	178
15. RANGA REDDY	86	0	0	86
16. SRIKAKULUM	41	0	1	42
17. VISAKHAPATNAM	15	3	0	18
18. WARANGAL	212	1	0	213
19. WEST GODAVARI	10644	27	13	10684

* State Total :	30952	233	31	31216

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : ANDHRA PRADESH

(in Nos.)

According to horse power of lifting devices						

Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)

1	2	3	4	5	6	7

1.	ADILABAD	70	26	0	0	96
2.	CHITTOOR	2648	2780	34	4	5466
3.	CUDDAPAH	1666	6107	175	12	7960
3.	CUDDAPAH	10745	7344	629	235	18953
4.	EAST GODAVARI	7770	5050	2675	127	15622
5.	GUNTUR	1010	375	0	0	1385
6.	KARIMNAGAR	509	105	19	0	633
7.	KHAMMAM	2004	768	106	0	2878
8.	KRISHNA	2001	1889	578	538	5006
9.	KURNOOL	2317	2348	15	0	4680
10.	MAHABOOB NAGAR	41	25	2	1	69
11.	MEDAK	58	25	41	0	124
12.	NALGONDA	9	7	0	0	16
13.	NELLORE	96	78	193	0	367
14.	PRAKASAM	177	160	81	0	418
15.	RANGA REDDY	93	37	8	0	138
16.	SRIKAKULUM	0	171	0	0	171
17.	VISAKHAPATNAM	28	11	6	0	45
18.	WARANGAL	494	161	0	0	655
19.	WEST GODAVARI	28825	24506	5570	4481	63382

* State Total :		60481	46125	9968	5395	121969

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.15 Irrigation through supplementary sources

State : ANDHRA PRADESH

(in Ha.)

Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perennial	Others	Total
1	2	3	4	5	6	7
1.	ADILABAD	0	0	0	0	0
2.	CHITTOOR	0	0	0	0	0
3.	CUDDAPAH	2	0	0	0	2
4.	EAST GODAVARI	653	235	250	0	1138
5.	GUNTUR	0	0	0	0	0
6.	KARIMNAGAR	0	0	0	0	0
7.	KHAMMAM	0	0	0	0	0
8.	KRISHNA	53	11	0	0	64
9.	KURNOOL	13	0	0	0	13
10.	MAHABOOB NAGAR	0	0	0	0	0
11.	MEDAK	2	0	0	0	2
12.	NALGONDA	0	0	0	0	0
13.	NELLORE	51	0	0	0	51
14.	PRAKASAM	2	0	0	0	2
15.	RANGA REDDY	0	0	0	0	0
16.	SRIKAKULUM	0	0	0	0	0
17.	VISAKHAPATNAM	0	0	0	0	0
18.	WARANGAL	0	0	0	0	0
19.	WEST GODAVARI	49	42	17	0	108
* State Total :		825	288	267	0	1380

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.16 Tubewells according to the constraints

State : ANDHRA PRADESH

(in Nos.)

Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'tnts	Constraints in utilisation of Irri. Pot. Created					Grand Total (4 + 9)
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason	Total (5 to 8)	
1	2	3	4	5	6	7	8	9	10
1.	ADILABAD	75	64	2	1	0	8	11	75
2.	CHITTOOR	5363	1661	1073	50	2569	10	3702	5363
3.	CUDDAPAH	7299	2721	1099	97	3045	337	4578	7299
4.	EAST GODAVARI	2219	1722	9	6	131	351	497	2219

5.	GUNTUR	577	551	0	0	22	4	26	577
6.	KARIMNAGAR	76	5	9	11	10	41	71	76
7.	KHAMMAM	482	324	4	29	123	2	158	482
8.	KRISHNA	830	637	27	1	165	0	193	830
9.	KURNOOL	1515	576	250	3	537	149	939	1515
10.	MAHABOOB NAGAR	83	0	0	0	77	6	83	83
11.	MEDAK	57	27	13	1	14	2	30	57
12.	NALGONDA	8	6	0	0	0	2	2	8
13.	NELLORE	155	130	1	0	22	2	25	155
14.	PRAKASAM	175	167	0	0	8	0	8	175
15.	RANGA REDDY	86	10	20	3	53	0	76	86
16.	SRIKAKULUM	37	9	0	0	28	0	28	37
17.	VISAKHAPATNAM	18	9	3	0	6	0	9	18
18.	WARANGAL	190	112	0	7	63	8	78	190
19.	WEST GODAVARI	10594	7865	1222	257	1147	103	2729	10594

* State Total :		29839	16596	3732	466	8020	1025	13243	29839

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : ASSAM

(in Nos.)

Construction of Deep Tubewells over the years										
Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	BARPETA	8	0	1	0	0	2	0	0	11
2.	BONGAIGAON	16	7	1	0	0	0	4	0	28
3.	CACHAR	2	0	0	2	0	1	0	0	5
4.	DARRANG	32	0	0	0	0	1	1	0	34
5.	DHEMAJI	11	0	0	0	0	0	0	4	15
6.	DHUBRI	9	2	3	0	0	0	3	3	20
7.	DIBRUGARH	10	0	0	0	0	5	0	0	15
8.	GOALPARA	13	1	3	4	3	8	4	0	36
9.	GOLAGHAT	57	0	5	0	2	9	0	1	74
10.	HAILAKANDI	8	0	0	0	0	0	0	0	8
11.	JORHAT	48	2	1	2	0	9	1	0	63
12.	KAMRUP	40	5	0	0	2	0	2	0	49
13.	KARBI ANGLONG	7	0	1	0	0	0	0	0	8
14.	KARIMGANJ	5	0	0	0	0	0	0	0	5
15.	KOKRAJHAR	3	1	0	0	0	2	0	0	6
16.	LAKHIMPUR	10	11	10	3	3	12	6	0	55
17.	MARIGAON	0	0	0	1	0	0	3	4	8
18.	NAGAON	8	8	0	0	6	1	0	1	24
19.	NALBARI	67	0	0	0	1	0	0	1	69
20.	NORTH CACHAR HILLS	0	0	0	0	0	2	0	0	2
21.	SIBSAGAR	1	1	0	1	0	2	1	4	10
22.	SONITPUR	9	0	0	0	2	0	0	0	11
23.	TINSUKIA	34	0	2	0	0	0	0	0	36

State Total : 398 38 27 13 19 54 25 18 592

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : ASSAM

(in Nos.)

Tubewells Owned by

Sl. No.	Name of District	Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	BARPETA	11	0	0	0	0	0	11
2.	BONGAIGAON	28	0	0	0	0	0	28
3.	CACHAR	5	0	0	0	0	0	5
4.	DARRANG	34	0	0	0	0	0	34
5.	DHEMAJI	15	0	0	0	0	0	15
6.	DHUBRI	20	0	0	0	0	0	20
7.	DIBRUGARH	15	0	0	0	0	0	15
8.	GOALPARA	36	0	0	0	0	0	36
9.	GOLAGHAT	74	0	0	0	0	0	74
10.	HAILAKANDI	8	0	0	0	0	0	8
11.	JORHAT	63	0	0	0	0	0	63
12.	KAMRUP	49	0	0	0	0	0	49
13.	KARBI ANGLONG	8	0	0	0	0	0	8
14.	KARIMGANJ	5	0	0	0	0	0	5
15.	KOKRAJHAR	5	0	0	0	0	1	6
16.	LAKHIMPUR	55	0	0	0	0	0	55
17.	MARIGAON	8	0	0	0	0	0	8
18.	NAGAON	24	0	0	0	0	0	24
19.	NALBARI	69	0	0	0	0	0	69
20.	NORTH CACHAR HILLS	2	0	0	0	0	0	2
21.	SIBSAGAR	10	0	0	0	0	0	10
22.	SONITPUR	11	0	0	0	0	0	11
23.	TINSUKIA	36	0	0	0	0	0	36
State Total :		591	0	0	0	0	1	592

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : ASSAM

(in Nos.)

According to Farmers' Holding size

Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	BARPETA	0	0	0	0	0

2.	BONGAIGAON	0	0	0	0	0
3.	CACHAR	0	0	0	0	0
4.	DARRANG	0	0	0	0	0
5.	DHEMAJI	0	0	0	0	0
6.	DHUBRI	0	0	0	0	0
7.	DIBRUGARH	0	0	0	0	0
8.	GOALPARA	0	0	0	0	0
9.	GOLAGHAT	0	0	0	0	0
10.	HAILAKANDI	0	0	0	0	0
11.	JORHAT	0	0	0	0	0
12.	KAMRUP	0	0	0	0	0
13.	KARBI ANGLONG	0	0	0	0	0
14.	KARIMGANJ	0	0	0	0	0
15.	KOKRAJHAR	0	0	0	0	0
16.	LAKHIMPUR	0	0	0	0	0
17.	MARIGAON	0	0	0	0	0
18.	NAGAON	0	0	0	0	0
19.	NALBARI	0	0	0	0	0
20.	NORTH CACHAR HILLS	0	0	0	0	0
21.	SIBSAGAR	0	0	0	0	0
22.	SONITPUR	0	0	0	0	0
23.	TINSUKIA	0	0	0	0	0
----- State Total :		0	0	0	0	0

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : ASSAM

(in Nos.)

Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	BARPETA	0	0	0	0	11	11
2.	BONGAIGAON	0	0	0	0	28	28
3.	CACHAR	0	0	0	0	5	5
4.	DARRANG	0	0	0	0	34	34
5.	DHEMAJI	0	0	0	0	15	15
6.	DHUBRI	0	0	0	0	20	20
7.	DIBRUGARH	0	0	0	0	15	15
8.	GOALPARA	0	0	0	0	36	36
9.	GOLAGHAT	0	0	0	0	74	74
10.	HAILAKANDI	0	0	0	0	8	8
11.	JORHAT	0	0	0	0	63	63
12.	KAMRUP	0	0	0	0	49	49
13.	KARBI ANGLONG	0	0	0	0	8	8
14.	KARIMGANJ	0	0	0	0	5	5
15.	KOKRAJHAR	0	0	0	0	6	6
16.	LAKHIMPUR	0	0	0	0	55	55
17.	MARIGAON	0	0	0	0	8	8
18.	NAGAON	0	0	0	0	24	24
19.	NALBARI	0	0	0	0	69	69

20.	NORTH CACHAR HILLS	0	0	0	0	2	2
21.	SIBSAGAR	0	0	0	0	10	10
22.	SONITPUR	0	0	0	0	11	11
23.	TINSUKIA	0	0	0	0	36	36

State Total :		0	0	0	0	592	592

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : ASSAM		(in Nos.)						

Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Not in Use		----- Others	Total (4 to 7)	Grand Total (3 + 8)
1	2	3	4	5	6	7	8	9

1.	BARPETA	9	1	0	0	1	2	11
2.	BONGAIGAON	12	16	0	0	0	16	28
3.	CACHAR	1	4	0	0	0	4	5
4.	DARRANG	24	7	1	2	0	10	34
5.	DHEMAJI	15	0	0	0	0	0	15
6.	DHUBRI	9	11	0	0	0	11	20
7.	DIBRUGARH	14	1	0	0	0	1	15
8.	GOALPARA	25	11	0	0	0	11	36
9.	GOLAGHAT	62	11	0	0	1	12	74
10.	HAILAKANDI	8	0	0	0	0	0	8
11.	JORHAT	34	29	0	0	0	29	63
12.	KAMRUP	28	15	1	4	1	21	49
13.	KARBI ANGLONG	5	3	0	0	0	3	8
14.	KARIMGANJ	4	1	0	0	0	1	5
15.	KOKRAJHAR	5	1	0	0	0	1	6
16.	LAKHIMPUR	36	19	0	0	0	19	55
17.	MARIGAON	7	1	0	0	0	1	8
18.	NAGAON	4	18	0	0	2	20	24
19.	NALBARI	52	16	0	1	0	17	69
20.	NORTH CACHAR HILLS	2	0	0	0	0	0	2
21.	SIBSAGAR	8	1	0	0	1	2	10
22.	SONITPUR	6	5	0	0	0	5	11
23.	TINSUKIA	17	19	0	0	0	19	36

State Total :		387	190	2	7	6	205	592

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : ASSAM		(in Nos.)				

		Source of Finance for constructing Tubewells				

Sl.	Name of District	Govt.	Farmers	Loan &	Subsidy &	Others
						Total

No.		Funds	Saving	Saving	Bank loan	(3 to 7)	
1	2	3	4	5	6	7	8
1.	BARPETA	0	0	0	0	0	0
2.	BONGAIGAON	0	0	0	0	0	0
3.	CACHAR	0	0	0	0	0	0
4.	DARRANG	0	0	0	0	0	0
5.	DHEMAJI	0	0	0	0	0	0
6.	DHUBRI	0	0	0	0	0	0
7.	DIBRUGARH	0	0	0	0	0	0
8.	GOALPARA	0	0	0	0	0	0
9.	GOLAGHAT	0	0	0	0	0	0
10.	HAILAKANDI	0	0	0	0	0	0
11.	JORHAT	0	0	0	0	0	0
12.	KAMRUP	0	0	0	0	0	0
13.	KARBI ANGLONG	0	0	0	0	0	0
14.	KARIMGANJ	0	0	0	0	0	0
15.	KOKRAJHAR	0	0	0	0	1	1
16.	LAKHIMPUR	0	0	0	0	0	0
17.	MARIGAON	0	0	0	0	0	0
18.	NAGAON	0	0	0	0	0	0
19.	NALBARI	0	0	0	0	0	0
20.	NORTH CACHAR HILLS	0	0	0	0	0	0
21.	SIBSAGAR	0	0	0	0	0	0
22.	SONITPUR	0	0	0	0	0	0
23.	TINSUKIA	0	0	0	0	0	0
State Total :		0	0	0	0	1	1

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : ASSAM

(in Nos.)

According to Water Distribution System							
Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	BARPETA	0	0	6	5	0	11
2.	BONGAIGAON	0	0	9	19	0	28
3.	CACHAR	0	0	5	0	0	5
4.	DARRANG	0	0	26	8	0	34
5.	DHEMAJI	0	0	9	6	0	15
6.	DHUBRI	0	0	7	13	0	20
7.	DIBRUGARH	0	0	8	7	0	15
8.	GOALPARA	1	0	7	27	1	36
9.	GOLAGHAT	0	0	47	21	6	74
10.	HAILAKANDI	0	0	8	0	0	8
11.	JORHAT	1	0	8	54	0	63
12.	KAMRUP	0	0	45	4	0	49
13.	KARBI ANGLONG	0	0	1	7	0	8
14.	KARIMGANJ	0	0	0	5	0	5

15.	KOKRAJHAR	0	0	1	5	0	6
16.	LAKHIMPUR	0	0	26	29	0	55
17.	MARIGAON	0	0	1	7	0	8
18.	NAGAON	0	0	15	3	6	24
19.	NALBARI	0	0	41	28	0	69
20.	NORTH CACHAR HILLS	0	0	2	0	0	2
21.	SIBSAGAR	0	0	5	5	0	10
22.	SONITPUR	0	0	7	4	0	11
23.	TINSUKIA	0	0	5	31	0	36
----- State Total :		2	0	289	288	13	592

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : ASSAM

(in Nos.)

----- According to Water Lifting Devices -----					
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6

1.	BARPETA	9	2	0	11
2.	BONGAIGAON	27	1	0	28
3.	CACHAR	0	0	5	5
4.	DARRANG	34	0	0	34
5.	DHEMAJI	14	1	0	15
6.	DHUBRI	18	2	0	20
7.	DIBRUGARH	11	4	0	15
8.	GOALPARA	34	2	0	36
9.	GOLAGHAT	70	2	2	74
10.	HAILAKANDI	8	0	0	8
11.	JORHAT	32	27	4	63
12.	KAMRUP	44	5	0	49
13.	KARBI ANGLONG	7	1	0	8
14.	KARIMGANJ	5	0	0	5
15.	KOKRAJHAR	5	1	0	6
16.	LAKHIMPUR	46	7	2	55
17.	MARIGAON	8	0	0	8
18.	NAGAON	24	0	0	24
19.	NALBARI	28	1	40	69
20.	NORTH CACHAR HILLS	0	0	2	2
21.	SIBSAGAR	10	0	0	10
22.	SONITPUR	8	2	1	11
23.	TINSUKIA	32	4	0	36

State Total :		474	62	56	592

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : ASSAM

(in Nos.)

Sl. No.	Name of District	According to horse power of lifting devices				
		0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
1.	BARPETA	0	0	0	11	11
2.	BONGAIGAON	0	0	0	28	28
3.	CACHAR	0	1	3	1	5
4.	DARRANG	0	0	0	34	34
5.	DHEMAJI	0	0	0	15	15
6.	DHUBRI	0	0	0	20	20
7.	DIBRUGARH	0	0	0	15	15
8.	GOALPARA	0	0	0	36	36
9.	GOLAGHAT	0	1	10	63	74
10.	HAILAKANDI	0	0	8	0	8
11.	JORHAT	0	0	5	58	63
12.	KAMRUP	0	0	14	35	49
13.	KARBI ANGLONG	0	0	1	7	8
14.	KARIMGANJ	0	0	0	5	5
15.	KOKRAJHAR	0	0	0	6	6
16.	LAKHIMPUR	0	0	0	55	55
17.	MARIGAON	0	0	0	8	8
18.	NAGAON	0	0	0	24	24
19.	NALBARI	0	0	0	69	69
20.	NORTH CACHAR HILLS	1	0	1	0	2
21.	SIBSAGAR	0	0	0	10	10
22.	SONITPUR	0	0	0	11	11
23.	TINSUKIA	4	8	5	19	36
State Total :		5	10	47	530	592

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : ASSAM

(in Nos.)

Sl. No.	Name of District	Location of Tubewells			
		On the Command	Outside Command	Augmen- tation	Total (3 to 5)
1	2	3	4	5	6
1.	BARPETA	0	11	0	11
2.	BONGAIGAON	0	28	0	28
3.	CACHAR	0	5	0	5
4.	DARRANG	0	34	0	34
5.	DHEMAJI	0	15	0	15
6.	DHUBRI	0	20	0	20
7.	DIBRUGARH	0	15	0	15
8.	GOALPARA	0	36	0	36
9.	GOLAGHAT	0	74	0	74

10.	HAILAKANDI	0	8	0	8
11.	JORHAT	0	63	0	63
12.	KAMRUP	0	49	0	49
13.	KARBI ANGLONG	0	8	0	8
14.	KARIMGANJ	0	5	0	5
15.	KOKRAJHAR	0	6	0	6
16.	LAKHIMPUR	0	55	0	55
17.	MARIGAON	0	8	0	8
18.	NAGAON	0	24	0	24
19.	NALBARI	0	69	0	69
20.	NORTH CACHAR HILLS	0	2	0	2
21.	SIBSAGAR	0	10	0	10
22.	SONITPUR	0	11	0	11
23.	TINSUKIA	0	36	0	36

State Total : 0 592 0 592

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : ASSAM

(in Nos.)

		According to Average Pumping Hours during peak season						
Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	BARPETA	2	5	4	0	0	0	11
2.	BONGAIGAON	16	12	0	0	0	0	28
3.	CACHAR	4	1	0	0	0	0	5
4.	DARRANG	6	28	0	0	0	0	34
5.	DHEMAJI	4	11	0	0	0	0	15
6.	DHUBRI	13	6	0	1	0	0	20
7.	DIBRUGARH	4	11	0	0	0	0	15
8.	GOALPARA	10	26	0	0	0	0	36
9.	GOLAGHAT	14	59	1	0	0	0	74
10.	HAILAKANDI	0	8	0	0	0	0	8
11.	JORHAT	28	20	15	0	0	0	63
12.	KAMRUP	23	26	0	0	0	0	49
13.	KARBI ANGLONG	1	7	0	0	0	0	8
14.	KARIMGANJ	1	4	0	0	0	0	5
15.	KOKRAJHAR	1	5	0	0	0	0	6
16.	LAKHIMPUR	25	30	0	0	0	0	55
17.	MARIGAON	0	8	0	0	0	0	8
18.	NAGAON	3	21	0	0	0	0	24
19.	NALBARI	36	31	2	0	0	0	69
20.	NORTH CACHAR HILLS	0	2	0	0	0	0	2
21.	SIBSAGAR	3	7	0	0	0	0	10
22.	SONITPUR	5	3	3	0	0	0	11
23.	TINSUKIA	9	27	0	0	0	0	36
State Total :		208	358	25	1	0	0	592

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.12 Average length of Water Conveyance Channel

State : ASSAM		(in Mts.)			
Sl. No.	Name of District	Total Number of Schemes	Average length of channels		
			Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	BARPETA	11	280	22	653
2.	BONGAIGAON	28	40	50	566
3.	CACHAR	5	563	14	0
4.	DARRANG	34	167	7	817
5.	DHEMAJI	15	0	0	2579
6.	DHUBRI	20	124	139	497
7.	DIBRUGARH	15	0	0	631
8.	GOALPARA	36	177	10	1243
9.	GOLAGHAT	74	147	26	396
10.	HAILAKANDI	8	90	208	156
11.	JORHAT	63	89	0	1210
12.	KAMRUP	49	586	89	1
13.	KARBI ANGLONG	8	0	0	950
14.	KARIMGANJ	5	0	0	636
15.	KOKRAJHAR	6	0	10	1008
16.	LAKHIMPUR	55	11	61	460
17.	MARIGAON	8	0	0	1388
18.	NAGAON	24	44	95	452
19.	NALBARI	69	164	178	611
20.	NORTH CACHAR HILLS	2	0	98	0
21.	SIBSAGAR	10	150	125	405
22.	SONITPUR	11	234	384	1233
23.	TINSUKIA	36	68	33	655
State Average:		592	183	91	787

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.13 Culturable Command Area and Potential Created

State : ASSAM		(in Ha.)				
Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created			
			Kharrif	Rabi	Perennial	Others
1	2	3	4	5	6	7
1.	BARPETA	355	278	207	0	5
2.	BONGAIGAON	851	794	484	0	0
3.	CACHAR	85	85	20	0	0
4.	DARRANG	1246	1225	731	0	0
5.	DHEMAJI	531	530	250	0	30

State Total : 5777 2821 29 135 8762

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

State : ASSAM

(in Ha.)

Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perennial	Others	Total
1	2	3	4	5	6	7
1.	BARPETA	0	0	0	0	0
2.	BONGAIGAON	0	0	0	0	0
3.	CACHAR	0	0	0	0	0
4.	DARRANG	0	0	0	0	0
5.	DHEMAJI	0	0	0	0	0
6.	DHUBRI	0	0	0	0	0
7.	DIBRUGARH	0	0	0	0	0
8.	GOALPARA	0	0	0	0	0
9.	GOLAGHAT	0	0	0	0	0
10.	HAILAKANDI	0	0	0	0	0
11.	JORHAT	0	0	0	0	0
12.	KAMRUP	0	0	0	0	0
13.	KARBI ANGLONG	0	0	0	0	0
14.	KARIMGANJ	0	0	0	0	0
15.	KOKRAJHAR	0	0	0	0	0
16.	LAKHIMPUR	0	0	0	0	0
17.	MARIGAON	0	0	0	0	0
18.	NAGAON	0	0	0	0	0
19.	NALBARI	0	0	0	0	0
20.	NORTH CACHAR HILLS	0	0	0	0	0
21.	SIBSAGAR	0	0	0	0	0
22.	SONITPUR	0	0	0	0	0
23.	TINSUKIA	0	0	0	0	0
State Total :		0	0	0	0	0

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : ASSAM

(in Nos.)

Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'nts	Constraints in utilisation of Irri. Pot. Created					Grand Total
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason	Total (5 to 8)	
1	2	3	4	5	6	7	8	9	10
1.	BARPETA	9	0	5	0	3	1	9	9
2.	BONGAIGAON	12	0	0	0	1	11	12	12

3.	CACHAR	1	0	0	0	0	1	1	1
4.	DARRANG	24	0	0	0	0	24	24	24
5.	DHEMAJI	15	0	0	0	0	15	15	15
6.	DHUBRI	9	0	3	3	0	3	9	9
7.	DIBRUGARH	14	0	0	0	0	14	14	14
8.	GOALPARA	25	0	7	3	0	15	25	25
9.	GOLAGHAT	62	0	0	0	0	62	62	62
10.	HAILAKANDI	8	0	0	0	0	8	8	8
11.	JORHAT	34	0	1	14	0	19	34	34
12.	KAMRUP	28	0	0	10	2	16	28	28
13.	KARBI ANGLONG	5	0	0	0	0	5	5	5
14.	KARIMGANJ	4	0	0	0	0	4	4	4
15.	KOKRAJHAR	5	0	0	0	0	5	5	5
16.	LAKHIMPUR	36	0	0	1	2	33	36	36
17.	MARIGAON	7	0	4	0	0	3	7	7
18.	NAGAON	4	0	1	0	0	3	4	4
19.	NALBARI	52	0	40	1	1	10	52	52
20.	NORTH CACHAR HILLS	2	0	0	0	0	2	2	2
21.	SIBSAGAR	8	0	6	1	1	0	8	8
22.	SONITPUR	6	0	0	0	0	6	6	6
23.	TINSUKIA	17	0	0	0	0	17	17	17
State Total :		387	0	67	33	10	277	387	387

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : DELHI

(in Nos.)

Construction of Deep Tubewells over the years										
Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	SOUTH-EAST	34	57	38	29	83	52	54	24	371
2.	SOUTH-WEST	123	23	27	21	33	39	24	30	320
* State Total :		157	80	65	50	116	91	78	54	691

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : DELHI

(in Nos.)

Tubewells Owned by							
Sl. No.	Name of District	Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others Total (3 to 8)

1	2	3	4	5	6	7	8	9
1.	SOUTH-EAST	0	1	0	0	0	370	371
2.	SOUTH-WEST	0	0	0	191	0	129	320
* State Total :		0	1	0	191	0	499	691

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : DELHI		(in Nos.)				
		According to Farmers' Holding size				
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	SOUTH-EAST	0	0	0	0	0
2.	SOUTH-WEST	93	92	6	0	191
* State Total :		93	92	6	0	191

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : DELHI		(in Nos.)					
		According to Social Status of farmers				Owned by	Grand
Sl. No.	Name of District	Schedule Caste	Schedule Tribe	Others	Total (3+4+5)	other than ind./group of farmers	Total (6 + 7)
1	2	3	4	5	6	7	8
1.	SOUTH-EAST	0	0	0	0	371	371
2.	SOUTH-WEST	0	0	191	191	129	320
* State Total :		0	0	191	191	500	691

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : DELHI (in Nos.)

Sl. No.	Name of District	T'wells In Use	Tubewells Not in Use		Others	Total (4 to 7)	Grand Total (3 + 8)
			Temporary	Dried up			
1	2	3	4	5	6	7	8
1.	SOUTH-EAST	366	3	0	1	1	5
2.	SOUTH-WEST	320	0	0	0	0	0
* State Total :		686	3	0	1	1	5

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : DELHI (in Nos.)

Sl. No.	Name of District	Source of Finance for constructing Tubewells					Total (3 to 7)
		Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	
1	2	3	4	5	6	7	8
1.	SOUTH-EAST	3	361	5	0	2	371
2.	SOUTH-WEST	1	316	2	1	0	320
* State Total :		4	677	7	1	2	691

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : DELHI (in Nos.)

Sl. No.	Name of District	According to Water Distribution System					Total (3 to 7)
		Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	
1	2	3	4	5	6	7	8
1.	SOUTH-EAST	18	2	303	30	18	371
2.	SOUTH-WEST	18	0	45	257	0	320
* State Total :		36	2	348	287	18	691

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : DELHI		(in Nos.)			
		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
	1. SOUTH-EAST	371	0	0	371
	2. SOUTH-WEST	320	0	0	320
* State Total :		691	0	0	691

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : DELHI		(in Nos.)				
		According to horse power of lifting devices				
Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
1.	SOUTH-EAST	367	0	4	0	371
2.	SOUTH-WEST	313	5	0	2	320
* State Total :		680	5	4	2	691

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : DELHI		(in Nos.)			

		Location of Tubewells			

Sl. No.	Name of District	On the Command	Outside Command	Augmen- tation	Total (3 to 5)

1	2	3	4	5	6

1.	SOUTH-EAST	2	369	0	371
2.	SOUTH-WEST	1	319	0	320

	* State Total :	3	688	0	691

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : DELHI		(in Nos.)						

According to Average Pumping Hours during peak season								

Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)

1	2	3	4	5	6	7	8	9

1.	SOUTH-EAST	37	204	111	17	2	0	371
2.	SOUTH-WEST	71	209	38	2	0	0	320

* State Total :		108	413	149	19	2	0	691

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.12 Average length of Water Conveyance Channel

State : DELHI		(in Mts.)			
Sl. No.	Name of District	Total Number of Schemes	Average length of channels		
			Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	SOUTH-EAST	371	41	25	9
2.	SOUTH-WEST	320	6	8	145
* State Average:		691	23	16	77

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.13 Culturable Command Area and Potential Created

State : DELHI	(in Ha.)

Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				
			Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7	8
1.	SOUTH-EAST	3829	3291	3253	26	1	6571
2.	SOUTH-WEST	301	268	265	24	7	564
* State Total :		4130	3559	3518	50	8	7135

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : DELHI		(in Ha.)				
Sl. No.	Name of District	Actual Area Irrigated during 1993-94				
		Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	SOUTH-EAST	3031	3078	7	0	6116
2.	SOUTH-WEST	260	262	24	6	552
* State Total :		3291	3340	31	6	6668

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

State : DELHI		(in Ha.)				
Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	SOUTH-EAST	0	0	0	0	0
2.	SOUTH-WEST	0	0	0	0	0
* State Total :		0	0	0	0	0

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : DELHI		(in Nos.)							
Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'nts	Constraints in utilisation of Irri. Pot. Created					Grand Total
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason	Total (5 to 8)	
1	2	3	4	5	6	7	8	9	10
1.	SOUTH-EAST	366	302	15	1	2	46	64	366
2.	SOUTH-WEST	320	303	0	0	0	17	17	320
* State Total :		686	605	15	1	2	63	81	686

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)**DEEP TUBEWELL (COMPLETED) SCHEDULE A-3****Table 3.1 Construction of Deep Tubewells over the year**

State : GOA		(in Nos.)								
		Construction of Deep Tubewells over the years								
Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	NORTH GOA	0	0	8	7	0	2	1	0	18
2.	SOUTH GOA	1	0	0	0	0	0	0	0	1
State Total :		1	0	8	7	0	2	1	0	19

MINOR IRRIGATION CENSUS(1993-94)**DEEP TUBEWELL (COMPLETED) SCHEDULE A-3****Table 3.2 Distribution according to ownership**

State : GOA		(in Nos.)						
		Tubewells Owned by						
Sl. No.	Name of District	Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	NORTH GOA	15	0	0	1	0	2	18
2.	SOUTH GOA	0	0	0	0	0	1	1
State Total :		15	0	0	1	0	3	19

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

State : GOA (in Nos.)

Sl. No.	Name of District	According to Farmers' Holding size				
		Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	NORTH GOA	0	0	1	0	1
2.	SOUTH GOA	0	0	0	0	0
State Total :		0	0	1	0	1

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

State : GOA (in Nos.)

Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	NORTH GOA	0	0	1	1	17	18
2.	SOUTH GOA	0	0	0	0	1	1
State Total :		0	0	1	1	18	19

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

State : GOA (in Nos.)

Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Dried up	Not in Use Destroyed	----- Others	Total (4 to 7)	Grand Total (3 + 8)
1	2	3	4	5	6	7	8	9
1.	NORTH GOA	11	7	0	0	0	7	18
2.	SOUTH GOA	1	0	0	0	0	0	1
State Total :		12	7	0	0	0	7	19

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : GOA		(in Nos.)					
		Source of Finance for constructing Tubewells					
Sl. No.	Name of District	Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	NORTH GOA	1	0	0	2	0	3
2.	SOUTH GOA	0	1	0	0	0	1
State Total :		1	1	0	2	0	4

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : GOA		(in Nos.)					
		According to Water Distribution System					
Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	NORTH GOA	4	0	13	0	1	18
2.	SOUTH GOA	0	0	1	0	0	1
State Total :		4	0	14	0	1	19

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : GOA		(in Nos.)			
		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	NORTH GOA	15	0	3	18
2.	SOUTH GOA	1	0	0	1
State Total :		16	0	3	19

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : GOA		(in Nos.)				
		According to horse power of lifting devices				
Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
1.	NORTH GOA	18	0	0	0	18
2.	SOUTH GOA	0	0	1	0	1
State Total :		18	0	1	0	19

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : GOA			(in Nos.)			
			Location of Tubewells			
Sl. No.	Name of District		On the Command	Outside Command	Augmen- tation	Total (3 to 5)
1	2		3	4	5	6
1.	NORTH GOA		1	17	0	18
2.	SOUTH GOA		0	1	0	1
State Total :			1	18	0	19

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : GOA			(in Nos.)						
			According to Average Pumping Hours during peak season						
Sl. No.	Name of District		0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)
1	2		3	4	5	6	7	8	9
1.	NORTH GOA		16	2	0	0	0	0	18
2.	SOUTH GOA		0	1	0	0	0	0	1

State Total : 16 3 0 0 0 0 19

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.12 Average length of Water Conveyance Channel

State : GOA

(in Mts.)

Sl. No.	Name of District	Total Number of Schemes	Average length of channels		
			Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	NORTH GOA	18	0	274	0
2.	SOUTH GOA	1	250	600	0
State Average:		19	250	437	0

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.13 Culturable Command Area and Potential Created

State : GOA

(in Ha.)

Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				
			Khariif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7	8
1.	NORTH GOA	33	0	12	18	4	34
2.	SOUTH GOA	15	0	0	15	0	15
State Total :		48	0	12	33	4	49

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : GOA

(in Ha.)

Sl. No.	Name of District	Actual Area Irrigated during 1993-94				
		Khariif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	NORTH GOA	0	12	18	0	30
2.	SOUTH GOA	0	0	15	0	15
State Total :		0	12	33	0	45

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

State : GOA		(in Ha.)				
		Supplementary Irrigation in 1993-94				
Sl. No.	Name of District	Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	NORTH GOA	0	1	18	0	19
2.	SOUTH GOA	0	0	0	0	0
State Total :		0	1	18	0	19

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : GOA			(in Nos.)						
Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'tnts	Constraints in utilisation of Irri. Pot. Created					Grand Total
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason	Total (5 to 8)	
1	2	3	4	5	6	7	8	9	10
1.	NORTH GOA	11	0	0	0	7	4	11	11
2.	SOUTH GOA	1	0	0	0	0	1	1	1
State Total :		12	0	0	0	7	5	12	12

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : HARYANA		(in Nos.)								
		Construction of Deep Tubewells over the years								
Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	AMBALA	873	509	292	209	154	106	67	53	2263
2.	BHIWANI	2	17	6	0	0	0	0	0	25
3.	GURGAON	34	18	22	32	15	6	2	1	130

4.	JIND	117	34	36	49	37	9	11	7	300
5.	KAITHAL	326	63	99	99	98	64	58	20	827
6.	KARNAL	566	670	152	167	69	42	30	10	1706
7.	KURUKSHETRA	155	5	18	15	6	44	42	55	340
8.	MEHANDERGARH	95	4	1	0	0	0	0	0	100
9.	PANCHKULA	22	4	14	16	26	22	6	4	114
10.	PANIPAT	63	19	17	12	11	10	52	11	195
11.	SIRSA	50	16	35	15	13	41	27	13	210
12.	SONIPAT	16	2	2	0	0	0	0	0	20
13.	YAMUNA NAGAR	70	10	18	25	25	28	4	4	184

* State Total :		2389	1371	712	639	454	372	299	178	6414

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : HARYANA (in Nos.)

Sl. No.	Name of District	Tubewells Owned by						Total (3 to 8)
		Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	
1	2	3	4	5	6	7	8	9
1.	AMBALA	56	20	143	1167	0	877	2263
2.	BHIWANI	0	0	0	25	0	0	25
3.	GURGAON	1	0	7	88	0	34	130
4.	JIND	0	0	0	223	0	77	300
5.	KAITHAL	0	0	0	626	0	201	827
6.	KARNAL	3	1	17	1224	0	461	1706
7.	KURUKSHETRA	6	2	6	231	0	95	340
8.	MEHANDERGARH	9	0	1	88	0	2	100
9.	PANCHKULA	16	4	0	60	0	34	114
10.	PANIPAT	0	6	0	116	0	73	195
11.	SIRSA	0	0	0	75	0	135	210
12.	SONIPAT	0	0	0	10	0	10	20
13.	YAMUNA NAGAR	8	0	1	136	0	39	184

* State Total :		99	33	175	4069	0	2038	6414

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : HARYANA (in Nos.)

Sl. No.	Name of District	According to Farmers' Holding size				Total
		Marginal	Small	Medium	Big	

No.		(0-1 ha)	(1-2 ha)	(2-10 ha)	(>10 ha)	(3 to 6)
1	2	3	4	5	6	7
1.	AMBALA	9	76	920	162	1167
2.	BHIWANI	0	10	15	0	25
3.	GURGAON	9	26	40	13	88
4.	JIND	43	49	121	10	223
5.	KAITHAL	9	65	525	27	626
6.	KARNAL	47	148	951	78	1224
7.	KURUKSHETRA	5	24	191	11	231
8.	MEHANDERGARH	0	20	67	1	88
9.	PANCHKULA	0	2	50	8	60
10.	PANIPAT	16	22	70	8	116
11.	SIRSA	0	4	66	5	75
12.	SONIPAT	0	1	9	0	10
13.	YAMUNA NAGAR	3	9	108	16	136
* State Total :		141	456	3133	339	4069

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : HARYANA

(in Nos.)

Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	AMBALA	4	4	1159	1167	1096	2263
2.	BHIWANI	0	0	25	25	0	25
3.	GURGAON	0	0	88	88	42	130
4.	JIND	2	3	218	223	77	300
5.	KAITHAL	9	35	582	626	201	827
6.	KARNAL	24	7	1193	1224	482	1706
7.	KURUKSHETRA	3	1	227	231	109	340
8.	MEHANDERGARH	1	0	87	88	12	100
9.	PANCHKULA	0	0	60	60	54	114
10.	PANIPAT	0	0	116	116	79	195
11.	SIRSA	2	0	73	75	135	210
12.	SONIPAT	0	0	10	10	10	20
13.	YAMUNA NAGAR	21	0	115	136	48	184
* State Total :		66	50	3953	4069	2345	6414

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : HARYANA		(in Nos.)						
Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Dried up	Not in Use Destroyed	Others	Total (4 to 7)	Grand Total (3 + 8)
1	2	3	4	5	6	7	8	9
1.	AMBALA	2259	0	0	0	4	4	2263
2.	BHIWANI	24	0	0	0	1	1	25
3.	GURGAON	130	0	0	0	0	0	130
4.	JIND	300	0	0	0	0	0	300
5.	KAITHAL	826	0	0	0	1	1	827
6.	KARNAL	1704	1	0	0	1	2	1706
7.	KURUKSHETRA	333	0	0	0	7	7	340
8.	MEHANDERGARH	80	20	0	0	0	20	100
9.	PANCHKULA	114	0	0	0	0	0	114
10.	PANIPAT	195	0	0	0	0	0	195
11.	SIRSA	210	0	0	0	0	0	210
12.	SONIPAT	20	0	0	0	0	0	20
13.	YAMUNA NAGAR	182	1	0	1	0	2	184
* State Total :		6377	22	0	1	14	37	6414

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)**DEEP TUBEWELL (COMPLETED) SCHEDULE A-3****Table 3.6 Distribution of Tubewells according to Finance source**

State : HARYANA		(in Nos.)					
		Source of Finance for constructing Tubewells					
Sl. No.	Name of District	Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	AMBALA	53	902	1089	0	163	2207
2.	BHIWANI	25	0	0	0	0	25
3.	GURGAON	30	8	40	19	32	129
4.	JIND	5	30	265	0	0	300
5.	KAITHAL	175	523	129	0	0	827
6.	KARNAL	509	1186	3	4	1	1703
7.	KURUKSHETRA	44	261	25	4	0	334
8.	MEHANDERGARH	9	69	13	0	0	91
9.	PANCHKULA	15	28	50	0	5	98
10.	PANIPAT	19	110	66	0	0	195
11.	SIRSA	0	186	23	0	1	210
12.	SONIPAT	0	20	0	0	0	20
13.	YAMUNA NAGAR	17	97	62	0	0	176
* State Total :		901	3420	1765	27	202	6315

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : HARYANA		(in Nos.)					
		According to Water Distribution System					
Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	AMBALA	15	8	2200	38	2	2263
2.	BHIWANI	25	0	0	0	0	25
3.	GURGAON	3	2	73	50	2	130
4.	JIND	0	0	300	0	0	300
5.	KAITHAL	1	2	567	257	0	827
6.	KARNAL	7	6	1672	21	0	1706
7.	KURUKSHETRA	12	2	324	2	0	340
8.	MEHANDERGARH	64	1	35	0	0	100
9.	PANCHKULA	3	0	92	19	0	114
10.	PANIPAT	0	0	195	0	0	195
11.	SIRSA	0	0	210	0	0	210
12.	SONIPAT	0	0	20	0	0	20
13.	YAMUNA NAGAR	3	3	174	4	0	184
* State Total :		133	24	5862	391	4	6414

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : HARYANA		(in Nos.)			
		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	AMBALA	2193	30	40	2263
2.	BHIWANI	0	25	0	25
3.	GURGAON	72	58	0	130
4.	JIND	228	72	0	300
5.	KAITHAL	413	413	1	827
6.	KARNAL	1701	4	1	1706
7.	KURUKSHETRA	339	1	0	340
8.	MEHANDERGARH	100	0	0	100
9.	PANCHKULA	114	0	0	114

10. PANIPAT	189	6	0	195
11. SIRSA	184	2	24	210
12. SONIPAT	18	2	0	20
13. YAMUNA NAGAR	176	8	0	184

 * State Total : 5727 621 66 6414

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : HARYANA

(in Nos.)

----- According to horse power of lifting devices -----						
Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
1.	AMBALA	52	148	1064	999	2263
2.	BHIWANI	1	0	24	0	25
3.	GURGAON	43	84	3	0	130
4.	JIND	159	141	0	0	300
5.	KAITHAL	392	427	2	6	827
6.	KARNAL	739	963	0	4	1706
7.	KURUKSHETRA	15	124	96	105	340
8.	MEHANDERGARH	14	86	0	0	100
9.	PANCHKULA	1	43	33	37	114
10.	PANIPAT	142	53	0	0	195
11.	SIRSA	24	27	29	130	210
12.	SONIPAT	0	20	0	0	20
13.	YAMUNA NAGAR	32	71	22	59	184

* State Total :		1614	2187	1273	1340	6414

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : HARYANA

(in Nos.)

----- Location of Tubewells -----					
Sl. No.	Name of District	On the Command	Outside Command	Augmen- tation	Total (3 to 5)
1	2	3	4	5	6
1.	AMBALA	26	2227	10	2263
2.	BHIWANI	25	0	0	25

3.	GURGAON	43	87	0	130
4.	JIND	77	223	0	300
5.	KAITHAL	18	809	0	827
6.	KARNAL	217	1489	0	1706
7.	KURUKSHETRA	27	313	0	340
8.	MEHANDERGARH	0	100	0	100
9.	PANCHKULA	12	102	0	114
10.	PANIPAT	22	173	0	195
11.	SIRSA	168	42	0	210
12.	SONIPAT	0	20	0	20
13.	YAMUNA NAGAR	13	171	0	184

* State Total :		648	5756	10	6414

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : HARYANA

(in Nos.)

According to Average Pumping Hours during peak season								

Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)

1	2	3	4	5	6	7	8	9

1.	AMBALA	214	1592	454	0	3	0	2263
2.	BHIWANI	1	24	0	0	0	0	25
3.	GURGAON	26	99	5	0	0	0	130
4.	JIND	19	240	40	1	0	0	300
5.	KAITHAL	82	673	37	9	15	11	827
6.	KARNAL	15	778	893	19	1	0	1706
7.	KURUKSHETRA	14	283	43	0	0	0	340
8.	MEHANDERGARH	7	93	0	0	0	0	100
9.	PANCHKULA	12	100	2	0	0	0	114
10.	PANIPAT	15	178	2	0	0	0	195
11.	SIRSA	16	164	23	7	0	0	210
12.	SONIPAT	0	4	3	1	3	9	20
13.	YAMUNA NAGAR	29	144	10	1	0	0	184

* State Total :		450	4372	1512	38	22	20	6414

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.12 Average length of Water Conveyance Channel

State : HARYANA

(in Mts.)

Total Number	Average length of channels

Sl. No.	Name of District	of Schemes	Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	AMBALA	2263	10	311	37
2.	BHIWANI	25	331	0	0
3.	GURGAON	130	3	210	68
4.	JIND	300	26	137	1
5.	KAITHAL	827	3	147	21
6.	KARNAL	1706	12	142	3
7.	KURUKSHETRA	340	1	134	26
8.	MEHANDERGARH	100	50	0	5
9.	PANCHKULA	114	0	159	164
10.	PANIPAT	195	69	100	0
11.	SIRSA	210	0	454	0
12.	SONIPAT	20	0	350	0
13.	YAMUNA NAGAR	184	16	313	99
* State Average:		6414	52	223	47

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.13 Culturable Command Area and Potential Created

State : HARYANA		(in Ha.)					
Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				Total
			Kharrif	Rabi	Perennial	Others	
1	2	3	4	5	6	7	8
1.	AMBALA	8860	8860	8860	0	0	17720
2.	BHIWANI	34	9	34	0	0	43
3.	GURGAON	292	181	284	0	0	465
4.	JIND	513	496	505	0	0	1001
5.	KAITHAL	1621	1614	1611	0	0	3225
6.	KARNAL	4394	4377	4385	0	0	8762
7.	KURUKSHETRA	926	871	807	0	0	1678
8.	MEHANDERGARH	153	16	151	0	0	167
9.	PANCHKULA	753	753	753	0	0	1506
10.	PANIPAT	572	549	547	0	1	1097
11.	SIRSA	647	632	628	0	0	1260
12.	SONIPAT	49	49	49	0	0	98
13.	YAMUNA NAGAR	703	647	637	3	0	1287
* State Total :		19517	19054	19251	3	1	38309

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : HARYANA		(in Ha.)				
Sl. No.	Name of District	Actual Area Irrigated during 1993-94				
		Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	AMBALA	8823	8823	0	0	17646
2.	BHIWANI	8	34	0	0	42
3.	GURGAON	178	246	0	0	424
4.	JIND	452	462	0	0	914
5.	KAITHAL	1614	1610	0	0	3224
6.	KARNAL	4335	4317	0	0	8652
7.	KURUKSHETRA	827	765	0	0	1592
8.	MEHANDERGARH	14	126	0	0	140
9.	PANCHKULA	753	753	0	0	1506
10.	PANIPAT	539	538	0	0	1077
11.	SIRSA	607	613	0	0	1220
12.	SONIPAT	49	49	0	0	98
13.	YAMUNA NAGAR	604	571	2	0	1177
* State Total :		18803	18907	2	0	37712

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)**DEEP TUBEWELL (COMPLETED) SCHEDULE A-3****Table 3.15 Irrigation through supplementary sources**

State : HARYANA		(in Ha.)				
Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	AMBALA	268	268	0	0	536
2.	BHIWANI	8	34	0	0	42
3.	GURGAON	13	21	0	0	34
4.	JIND	67	68	0	0	135
5.	KAITHAL	29	27	0	0	56
6.	KARNAL	392	374	0	0	766
7.	KURUKSHETRA	20	15	0	0	35
8.	MEHANDERGARH	0	0	0	0	0
9.	PANCHKULA	142	142	0	0	284
10.	PANIPAT	25	26	0	0	51
11.	SIRSA	430	439	0	0	869
12.	SONIPAT	0	0	0	0	0
13.	YAMUNA NAGAR	0	0	0	0	0
* State Total :		1394	1414	0	0	2808

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : HARYANA

(in Nos.)

Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'tnts	Constraints in utilisation of Irri. Pot. Created				Total (5 to 8)	Grand Total (4 + 9)
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason		
1	2	3	4	5	6	7	8	9	10
1.	AMBALA	2259	0	931	9	3	1316	2259	2259
2.	BHIWANI	24	0	0	0	9	15	24	24
3.	GURGAON	130	0	54	0	6	70	130	130
4.	JIND	300	0	61	1	0	238	300	300
5.	KAITHAL	826	0	111	0	0	715	826	826
6.	KARNAL	1704	0	550	2	0	1152	1704	1704
7.	KURUKSHETRA	333	0	70	1	4	258	333	333
8.	MEHANDERGARH	80	0	13	0	0	67	80	80
9.	PANCHKULA	114	0	2	0	6	106	114	114
10.	PANIPAT	195	0	32	2	7	154	195	195
11.	SIRSA	210	0	7	0	0	203	210	210
12.	SONIPAT	20	0	0	0	0	20	20	20
13.	YAMUNA NAGAR	182	0	17	0	0	165	182	182
* State Total :		6377	0	1848	15	35	4479	6377	6377

* Data in respect of the remaining 4 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : HIMACHAL PRADESH

(in Nos.)

Sl. No.	Name of District	Construction of Deep Tubewells over the years								Total (3 to 10)
		Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	
1	2	3	4	5	6	7	8	9	10	11
1.	Kangra	44	0	3	1	2	3	2	1	56
2.	Mandi	1	0	1	0	0	0	0	0	2
3.	Sirmaur	9	0	0	1	0	0	0	0	10
4.	Solan	16	1	0	2	1	2	0	4	26
5.	Una	96	24	5	1	4	5	0	1	136
* State Total :		166	25	9	5	7	10	2	6	230

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : HIMACHAL PRADESH		(in Nos.)						
		Tubewells Owned by						
Sl. No.	Name of District	Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	Kangra	48	0	0	1	0	7	56
2.	Mandi	0	0	0	2	0	0	2
3.	Sirmaur	4	0	0	6	0	0	10
4.	Solan	21	0	0	4	0	1	26
5.	Una	131	0	0	2	0	3	136
* State Total :		204	0	0	15	0	11	230

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : HIMACHAL PRADESH		(in Nos.)				
		According to Farmers' Holding size				
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	Kangra	0	0	0	1	1
2.	Mandi	0	0	0	2	2
3.	Sirmaur	0	0	0	6	6
4.	Solan	0	0	0	4	4
5.	Una	0	0	0	2	2
* State Total :		0	0	0	15	15

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : HIMACHAL PRADESH		(in Nos.)				

Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	Kangra	0	0	1	1	55	56
2.	Mandi	0	0	2	2	0	2
3.	Sirmaur	0	0	6	6	4	10
4.	Solan	0	0	4	4	22	26
5.	Una	0	0	2	2	134	136
* State Total :		0	0	15	15	215	230

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : HIMACHAL PRADESH		(in Nos.)						
Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Not in Use		----- Others	Total (4 to 7)	Grand Total (3 + 8)
				Dried up	Destroyed			
1	2	3	4	5	6	7	8	9
1.	Kangra	55	0	0	0	1	1	56
2.	Mandi	2	0	0	0	0	0	2
3.	Sirmaur	10	0	0	0	0	0	10
4.	Solan	26	0	0	0	0	0	26
5.	Una	136	0	0	0	0	0	136
* State Total :		229	0	0	0	1	1	230

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : HIMACHAL PRADESH		(in Nos.)					
Sl. No.	Name of District	Source of Finance for constructing Tubewells					Total (3 to 7)
		Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	
1	2	3	4	5	6	7	8
1.	Kangra	0	8	0	0	0	8
2.	Mandi	1	1	0	0	0	2
3.	Sirmaur	4	0	0	0	2	6

4. Solan	0	3	2	0	0	5
5. Una	0	0	0	1	4	5

* State Total :	5	12	2	1	6	26

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : HIMACHAL PRADESH		(in Nos.)					

According to Water Distribution System							

Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	Total (3 to 7)

1	2	3	4	5	6	7	8

1.	Kangra	10	0	29	17	0	56
2.	Mandi	0	0	2	0	0	2
3.	Sirmaur	1	0	0	9	0	10
4.	Solan	1	0	18	7	0	26
5.	Una	0	1	30	105	0	136

* State Total :		12	1	79	138	0	230

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : HIMACHAL PRADESH		(in Nos.)			
		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	Kangra	49	0	7	56
2.	Mandi	0	0	2	2
3.	Sirmaur	10	0	0	10
4.	Solan	24	0	2	26
5.	Una	113	13	10	136
* State Total :		196	13	21	230

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : HIMACHAL PRADESH		(in Nos.)				
		According to horse power of lifting devices				
Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
1.	Kangra	1	11	5	39	56
2.	Mandi	2	0	0	0	2
3.	Sirmaur	0	3	0	7	10
4.	Solan	2	1	3	20	26
5.	Una	8	31	15	82	136
* State Total :		13	46	23	148	230

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : HIMACHAL PRADESH		(in Nos.)			
		Location of Tubewells			
Sl. No.	Name of District	On the Command	Outside Command	Augmen-tation	Total (3 to 5)
1	2	3	4	5	6
1.	Kangra	1	55	0	56
2.	Mandi	0	2	0	2
3.	Sirmaur	0	10	0	10
4.	Solan	0	26	0	26
5.	Una	0	136	0	136
* State Total :		1	229	0	230

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : HIMACHAL PRADESH		(in Nos.)				
		According to Average Pumping Hours during peak season				

5.	Una	3544	2047	2863	84	28	5022
* State Total :		5484	3719	4742	97	31	8589

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : HIMACHAL PRADESH		(in Ha.)				
		Actual Area Irrigated during 1993-94				
Sl. No.	Name of District	Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	Kangra	882	922	0	0	1804
2.	Mandi	17	17	0	0	34
3.	Sirmaur	247	244	0	0	491
4.	Solan	170	619	11	0	800
5.	Una	1817	2762	49	7	4635
* State Total :		3133	4564	60	7	7764

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

State : HIMACHAL PRADESH		(in Ha.)				
		Supplementary Irrigation in 1993-94				
Sl. No.	Name of District	Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	Kangra	0	0	0	0	0
2.	Mandi	0	0	0	0	0
3.	Sirmaur	0	0	0	0	0
4.	Solan	0	0	0	0	0
5.	Una	0	0	0	0	0
* State Total :		0	0	0	0	0

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : HIMACHAL PRADESH		(in Nos.)							
Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'nts	Constraints in utilisation of Irri. Pot. Created					Grand Total
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason	Total (5 to 8)	
1	2	3	4	5	6	7	8	9	10
1.	Kangra	55	51	0	3	0	1	4	55
2.	Mandi	2	2	0	0	0	0	0	2
3.	Sirmaur	10	8	0	0	0	2	2	10
4.	Solan	26	9	1	0	2	14	17	26
5.	Una	136	83	4	0	30	19	53	136
* State Total :		229	153	5	3	32	36	76	229

* Data in respect of the remaining 7 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)**DEEP TUBEWELL (COMPLETED) SCHEDULE A-3****Table 3.1 Construction of Deep Tubewells over the year**

State : JAMMU & KASHMIR		(in Nos.)								
Sl. No.	Name of District	Construction of Deep Tubewells over the years								Total (3 to 10)
		Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	
1	2	3	4	5	6	7	8	9	10	11
1.	Baramulla	9	0	0	0	0	0	0	0	9
2.	Jammu	52	3	2	0	3	0	4	0	64
3.	Kathua	7	2	0	0	0	0	0	0	9
4.	Srinagar	15	0	0	0	0	0	0	0	15
* State Total :		83	5	2	0	3	0	4	0	97

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)**DEEP TUBEWELL (COMPLETED) SCHEDULE A-3****Table 3.2 Distribution according to ownership**

State : JAMMU & KASHMIR		(in Nos.)						
Sl. No.	Name of District	Tubewells Owned by						Total (3 to 8)
		Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	

1	2	3	4	5	6	7	8	9
1.	Baramulla	6	0	0	0	0	3	9
2.	Jammu	44	0	0	7	13	0	64
3.	Kathua	0	0	0	9	0	0	9
4.	Srinagar	10	0	0	0	0	5	15
* State Total :		60	0	0	16	13	8	97

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : JAMMU & KASHMIR		(in Nos.)				
		According to Farmers' Holding size				
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	Baramulla	4	2	2	1	9
2.	Jammu	14	20	18	12	64
3.	Kathua	2	7	0	0	9
4.	Srinagar	3	2	8	2	15
* State Total :		23	31	28	15	97

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : JAMMU & KASHMIR		(in Nos.)					
		According to Social Status of farmers				Owned by other than	Grand Total
Sl. No.	Name of District	Schedule Caste	Schedule Tribe	Others	Total (3+4+5)	ind./group of farmers	(6 + 7)
1	2	3	4	5	6	7	8
1.	Baramulla	0	0	0	0	9	9
2.	Jammu	4	0	16	20	44	64
3.	Kathua	1	0	8	9	0	9
4.	Srinagar	0	0	0	0	15	15
* State Total :		5	0	24	29	68	97

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : JAMMU & KASHMIR (in Nos.)

Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Not in Use		----- Others	Total (4 to 7)	Grand Total (3 + 8)
		Dried up	Destroyed					
1	2	3	4	5	6	7	8	9
1.	Baramulla	9	0	0	0	0	0	9
2.	Jammu	64	0	0	0	0	0	64
3.	Kathua	9	0	0	0	0	0	9
4.	Srinagar	15	0	0	0	0	0	15
* State Total :		97	0	0	0	0	0	97

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : JAMMU & KASHMIR (in Nos.)

Sl. No.	Name of District	Source of Finance for constructing Tubewells					Total (3 to 7)
		Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	
1	2	3	4	5	6	7	8
1.	Baramulla	7	2	0	0	0	9
2.	Jammu	57	7	0	0	0	64
3.	Kathua	7	2	0	0	0	9
4.	Srinagar	12	3	0	0	0	15
* State Total :		83	14	0	0	0	97

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : JAMMU & KASHMIR (in Nos.)

Sl. No.	Name of District	According to Water Distribution System					Total (3 to 7)
		Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	
1	2	3	4	5	6	7	8

1	2	3	4	5	6	7	8
1.	Baramulla	0	0	9	0	0	9
2.	Jammu	0	0	64	0	0	64
3.	Kathua	0	0	9	0	0	9
4.	Srinagar	0	0	15	0	0	15
* State Total :		0	0	97	0	0	97

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : JAMMU & KASHMIR		(in Nos.)			
		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	Baramulla	1	8	0	9
2.	Jammu	64	0	0	64
3.	Kathua	3	6	0	9
4.	Srinagar	15	0	0	15
* State Total :		83	14	0	97

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : JAMMU & KASHMIR		(in Nos.)				
		According to horse power of lifting devices				
Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
1.	Baramulla	5	4	0	0	9
2.	Jammu	30	34	0	0	64
3.	Kathua	6	3	0	0	9
4.	Srinagar	3	12	0	0	15
* State Total :		44	53	0	0	97

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : JAMMU & KASHMIR		(in Nos.)			
		Location of Tubewells			
Sl. No.	Name of District	On the Command	Outside Command	Augmen- tation	Total (3 to 5)
1	2	3	4	5	6
1.	Baramulla	8	1	0	9
2.	Jammu	37	27	0	64
3.	Kathua	4	5	0	9
4.	Srinagar	10	5	0	15
* State Total :		59	38	0	97

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : JAMMU & KASHMIR		(in Nos.)						
		According to Average Pumping Hours during peak season						
Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	Baramulla	9	0	0	0	0	0	9
2.	Jammu	0	64	0	0	0	0	64
3.	Kathua	0	9	0	0	0	0	9
4.	Srinagar	0	15	0	0	0	0	15
* State Total :		9	88	0	0	0	0	97

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.12 Average length of Water Conveyance Channel

State : JAMMU & KASHMIR		(in Mts.)	
		Total Number	Average length of channels

Sl. No.	Name of District	of Schemes	Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	Baramulla	9	133	133	0
2.	Jammu	64	831	168	0
3.	Kathua	9	28	812	0
4.	Srinagar	15	47	58	0
* State Average:		97	259	292	0

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.13 Culturable Command Area and Potential Created

State : JAMMU & KASHMIR

(in Ha.)

Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				Total
			Khariif	Rabi	Perenial	Others	
1	2	3	4	5	6	7	8
1.	Baramulla	62	55	7	0	0	62
2.	Jammu	1918	2122	1690	0	0	3812
3.	Kathua	93	62	50	0	0	112
4.	Srinagar	7	6	0	0	0	6
* State Total :		2080	2245	1747	0	0	3992

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : JAMMU & KASHMIR

(in Ha.)

Sl. No.	Name of District	Actual Area Irrigated during 1993-94				
		Khariif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	Baramulla	52	4	0	0	56
2.	Jammu	2212	1600	0	0	3812
3.	Kathua	62	50	0	0	112
4.	Srinagar	7	0	0	0	7
* State Total :		2333	1654	0	0	3987

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

State : JAMMU & KASHMIR		(in Ha.)				
Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	Baramulla	1	1	0	0	2
2.	Jammu	6	6	0	0	12
3.	Kathua	1	1	0	0	2
4.	Srinagar	0	0	0	0	0
* State Total :		8	8	0	0	16

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : JAMMU & KASHMIR			(in Nos.)						
Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'tnts	Constraints in utilisation of Irri. Pot. Created				Grand Total (4 + 9)	
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason		
1	2	3	4	5	6	7	8	9	10
1.	Baramulla	9	0	0	0	0	0	0	0
2.	Jammu	64	0	0	0	0	3	3	3
3.	Kathua	9	0	0	0	0	0	0	0
4.	Srinagar	15	0	0	0	0	0	0	0
* State Total :		97	0	0	0	0	3	3	3

* Data in respect of the remaining 10 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : KARNATAKA		(in Nos.)

Construction of Deep Tubewells over the years

Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	BANGALORE RURAL	1655	832	1098	1313	1614	1717	1131	1182	10542
2.	BANGALORE URBAN	2445	1436	1007	727	631	555	318	468	7587
3.	BELGAUM	1817	783	1328	1869	1759	1721	1237	1595	12109
4.	BELLARY	1558	621	613	1024	1254	1073	928	3049	10120
5.	BIDAR	347	172	218	413	411	668	549	968	3746
6.	BIJAPUR	1373	450	597	741	620	734	557	594	5666
7.	CHIKKAMAGALORE	278	73	111	232	423	337	210	389	2053
8.	CHITRADURGA	1891	985	979	1356	1347	1331	863	801	9553
9.	DAKSHINA KANNADA	402	128	137	173	297	293	217	268	1915
10.	DHARWAR	3009	819	1277	1256	1363	1060	918	1467	11169
11.	GULBARGA	70	13	21	45	26	9	38	85	307
12.	HASSAN	228	78	148	163	227	200	126	97	1267
13.	KODAGU	8	1	1	9	2	1	0	1	23
14.	KOLAR	3833	1992	2068	3529	3246	3068	2605	2227	22568
15.	MANDYA	332	169	205	294	498	529	582	744	3353
16.	MYSORE	1195	570	563	752	839	727	273	593	5512
17.	RAICHUR	383	268	511	415	681	874	563	974	4669
18.	SHIMOGA	1610	240	368	599	1099	796	639	1268	6619
19.	TUMKUR	3036	2641	2730	3641	4929	4800	4380	5237	31394
20.	UTTARA KANNADA	68	22	36	83	73	47	49	32	410
State Total :		25538	12293	14016	18634	21339	20540	16183	22039	150582

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : KARNATAKA

(in Nos.)

		Tubewells Owned by						
Sl. No.	Name of District	Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	BANGALORE RURAL	181	2	96	3461	4687	2115	10542
2.	BANGALORE URBAN	0	0	0	4296	3197	94	7587
3.	BELGAUM	4	26	2	8877	2785	415	12109
4.	BELLARY	8	2	13	1608	7435	1054	10120
5.	BIDAR	29	2	4	126	2619	966	3746
6.	BIJAPUR	4	13	0	1893	3562	194	5666

7.	CHIKKAMAGALORE	0	0	0	478	1553	22	2053
8.	CHITRADURGA	0	0	0	5017	3983	553	9553
9.	DAKSHINA KANNADA	0	1	15	564	1121	214	1915
10.	DHARWAR	5	0	3	4697	6316	148	11169
11.	GULBARGA	16	5	5	7	106	168	307
12.	HASSAN	4	0	2	547	637	77	1267
13.	KODAGU	0	0	0	14	9	0	23
14.	KOLAR	40	3	1	9164	11957	1403	22568
15.	MANDYA	20	17	4	357	2792	163	3353
16.	MYSORE	22	42	2	2813	1417	1216	5512
17.	RAICHUR	0	121	0	2664	1855	29	4669
18.	SHIMOGA	8	7	0	2807	3585	212	6619
19.	TUMKUR	1	0	1	2870	27310	1212	31394
20.	UTTARA KANNADA	0	0	0	408	0	2	410
----- State Total :		342	241	148	52668	86926	10257	150582

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : KARNATAKA

(in Nos.)

----- According to Farmers' Holding size -----						
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7

1.	BANGALORE RURAL	2673	2988	2293	194	8148
2.	BANGALORE URBAN	2338	2405	2631	119	7493
3.	BELGAUM	1773	4484	5099	306	11662
4.	BELLARY	1033	2109	5098	803	9043
5.	BIDAR	295	1250	930	270	2745
6.	BIJAPUR	792	2045	2396	222	5455
7.	CHIKKAMAGALORE	286	559	880	306	2031
8.	CHITRADURGA	912	2532	4436	1120	9000
9.	DAKSHINA KANNADA	287	512	819	67	1685
10.	DHARWAR	1125	3938	5406	544	11013
11.	GULBARGA	31	12	48	22	113
12.	HASSAN	182	409	522	71	1184
13.	KODAGU	3	5	12	3	23
14.	KOLAR	6401	8431	5866	423	21121
15.	MANDYA	899	1487	641	122	3149
16.	MYSORE	802	1998	1304	126	4230
17.	RAICHUR	507	1646	1773	593	4519
18.	SHIMOGA	953	2095	2972	372	6392
19.	TUMKUR	7287	10798	11312	783	30180
20.	UTTARA KANNADA	40	146	214	8	408

State Total :	28619	49849	54652	6474	139594
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* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : KARNATAKA

(in Nos.)

Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	BANGALORE RURAL	452	202	7494	8148	2394	10542
2.	BANGALORE URBAN	458	84	6951	7493	94	7587
3.	BELGAUM	291	260	11111	11662	447	12109
4.	BELLARY	691	869	7483	9043	1077	10120
5.	BIDAR	216	44	2485	2745	1001	3746
6.	BIJAPUR	384	145	4926	5455	211	5666
7.	CHIKKAMAGALORE	99	14	1918	2031	22	2053
8.	CHITRADURGA	588	935	7477	9000	553	9553
9.	DAKSHINA KANNADA	12	19	1654	1685	230	1915
10.	DHARWAR	547	611	9855	11013	156	11169
11.	GULBARGA	24	1	88	113	194	307
12.	HASSAN	66	25	1093	1184	83	1267
13.	KODAGU	0	0	23	23	0	23
14.	KOLAR	1504	1185	18432	21121	1447	22568
15.	MANDYA	383	21	2745	3149	204	3353
16.	MYSORE	353	47	3830	4230	1282	5512
17.	RAICHUR	418	327	3774	4519	150	4669
18.	SHIMOGA	416	204	5772	6392	227	6619
19.	TUMKUR	1238	1130	27812	30180	1214	31394
20.	UTTARA KANNADA	22	7	379	408	2	410
State Total :		8162	6130	125302	139594	10988	150582

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : KARNATAKA

(in Nos.)

Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Not in Use		----- Others	Total (4 to 7)	Grand Total (3 + 8)
				Dried up	Destroyed			
1	2	3	4	5	6	7	8	9
1.	BANGALORE RURAL	10273	99	51	54	65	269	10542
2.	BANGALORE URBAN	7391	74	86	31	5	196	7587
3.	BELGAUM	11777	129	21	160	22	332	12109
4.	BELLARY	8524	160	28	1370	38	1596	10120
5.	BIDAR	3331	176	223	10	6	415	3746
6.	BIJAPUR	5277	277	72	6	34	389	5666
7.	CHIKKAMAGALORE	1971	55	8	18	1	82	2053
8.	CHITRADURGA	9071	224	204	25	29	482	9553
9.	DAKSHINA KANNADA	1899	6	6	2	2	16	1915
10.	DHARWAR	10734	144	171	52	68	435	11169
11.	GULBARGA	260	27	13	5	2	47	307
12.	HASSAN	1192	6	68	1	0	75	1267
13.	KODAGU	21	0	2	0	0	2	23
14.	KOLAR	22007	102	161	157	141	561	22568
15.	MANDYA	3286	13	18	20	16	67	3353
16.	MYSORE	5335	133	16	16	12	177	5512
17.	RAICHUR	4621	32	9	5	2	48	4669
18.	SHIMOGA	6577	14	5	2	21	42	6619
19.	TUMKUR	30448	392	227	191	136	946	31394
20.	UTTARA KANNADA	398	2	3	5	2	12	410
State Total :		144393	2065	1392	2130	602	6189	150582

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : KARNATAKA

(in Nos.)

Sl. No.	Name of District	Source of Finance for constructing Tubewells					Total (3 to 7)
		Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	
1	2	3	4	5	6	7	8
1.	BANGALORE RURAL	710	6264	2442	228	717	10361
2.	BANGALORE URBAN	362	6339	595	73	218	7587
3.	BELGAUM	759	4961	5607	456	322	12105
4.	BELLARY	573	4492	2413	390	2244	10112
5.	BIDAR	498	1493	1309	364	53	3717
6.	BIJAPUR	840	2665	1813	163	181	5662
7.	CHIKKAMAGALORE	497	895	386	228	47	2053

8.	CHITRADURGA	811	5601	2780	175	186	9553
9.	DAKSHINA KANNADA	269	1169	350	70	57	1915
10.	DHARWAR	404	3693	5299	854	914	11164
11.	GULBARGA	97	113	52	11	18	291
12.	HASSAN	65	613	562	18	5	1263
13.	KODAGU	1	9	13	0	0	23
14.	KOLAR	1863	18344	1590	134	597	22528
15.	MANDYA	335	2062	612	161	163	3333
16.	MYSORE	786	3269	997	162	276	5490
17.	RAICHUR	233	1938	2202	257	39	4669
18.	SHIMOGA	346	3896	2031	180	158	6611
19.	TUMKUR	4049	20537	4575	441	1791	31393
20.	UTTARA KANNADA	23	117	219	41	10	410
State Total :		13521	88470	35847	4406	7996	150240

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : KARNATAKA

(in Nos.)

		According to Water Distribution System					Total (3 to 7)
Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	
1	2	3	4	5	6	7	8
1.	BANGALORE RURAL	291	112	7537	1988	614	10542
2.	BANGALORE URBAN	168	24	6084	628	683	7587
3.	BELGAUM	221	116	4262	6502	1008	12109
4.	BELLARY	171	24	3733	2681	3511	10120
5.	BIDAR	238	65	1986	1170	287	3746
6.	BIJAPUR	1026	90	3203	1026	321	5666
7.	CHIKKAMAGALORE	56	31	918	485	563	2053
8.	CHITRADURGA	150	224	6855	2016	308	9553
9.	DAKSHINA KANNADA	1390	94	194	103	134	1915
10.	DHARWAR	509	151	6371	2394	1744	11169
11.	GULBARGA	51	10	186	35	25	307
12.	HASSAN	90	4	448	713	12	1267
13.	KODAGU	0	0	14	0	9	23
14.	KOLAR	404	91	11147	9223	1703	22568
15.	MANDYA	90	25	1169	1513	556	3353
16.	MYSORE	170	106	3103	1448	685	5512
17.	RAICHUR	115	17	3096	1258	183	4669
18.	SHIMOGA	31	544	2940	2356	748	6619
19.	TUMKUR	725	243	18610	8863	2953	31394

20. UTTARA KANNADA	17	9	132	104	148	410
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State Total :	5913	1980	81988	44506	16195	150582
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MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : KARNATAKA

(in Nos.)

		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
-----	-----	-----	-----	-----	-----
1	2	3	4	5	6
-----	-----	-----	-----	-----	-----
1.	BANGALORE RURAL	9992	72	478	10542
2.	BANGALORE URBAN	7358	43	186	7587
3.	BELGAUM	11901	12	196	12109
4.	BELLARY	8911	12	1197	10120
5.	BIDAR	3384	158	204	3746
6.	BIJAPUR	5378	58	230	5666
7.	CHIKKAMAGALORE	1850	92	111	2053
8.	CHITRADURGA	9388	134	31	9553
9.	DAKSHINA KANNADA	1783	40	92	1915
10.	DHARWAR	10545	43	581	11169
11.	GULBARGA	269	7	31	307
12.	HASSAN	1208	5	54	1267
13.	KODAGU	21	1	1	23
14.	KOLAR	21824	257	487	22568
15.	MANDYA	3080	32	241	3353
16.	MYSORE	4959	132	421	5512
17.	RAICHUR	4613	16	40	4669
18.	SHIMOGA	6036	85	498	6619
19.	TUMKUR	30041	298	1055	31394
20.	UTTARA KANNADA	363	16	31	410
-----	-----	-----	-----	-----	-----
	State Total :	142904	1513	6165	150582
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MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : KARNATAKA

(in Nos.)

According to horse power of lifting devices						
Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
1.	BANGALORE RURAL	8378	2149	9	6	10542
2.	BANGALORE URBAN	7344	232	2	9	7587
3.	BELGAUM	8076	3980	13	40	12109
4.	BELLARY	9197	916	1	6	10120
5.	BIDAR	2764	972	0	10	3746
6.	BIJAPUR	2547	3092	25	2	5666
7.	CHIKKAMAGALORE	1957	93	1	2	2053
8.	CHITRADURGA	8917	630	3	3	9553
9.	DAKSHINA KANNADA	1773	140	2	0	1915
10.	DHARWAR	9838	1318	3	10	11169
11.	GULBARGA	277	30	0	0	307
12.	HASSAN	1250	13	1	3	1267
13.	KODAGU	22	1	0	0	23
14.	KOLAR	10509	12025	5	29	22568
15.	MANDYA	3283	69	0	1	3353
16.	MYSORE	4596	910	5	1	5512
17.	RAICHUR	4155	499	3	12	4669
18.	SHIMOGA	6291	315	1	12	6619
19.	TUMKUR	24815	6506	39	34	31394
20.	UTTARA KANNADA	390	18	0	2	410
State Total :		116379	33908	113	182	150582

MINOR IRRIGATION CENSUS (1993-94)**DEEP TUBEWELL (COMPLETED) SCHEDULE A-3****Table 3.10 Deep Tubewells in the Major/Medium Irri. Command**

State : KARNATAKA

(in Nos.)

Location of Tubewells					
Sl. No.	Name of District	On the Command	Outside Command	Augmen-tation	Total (3 to 5)
1	2	3	4	5	6
1.	BANGALORE RURAL	1367	9173	2	10542
2.	BANGALORE URBAN	252	7335	0	7587
3.	BELGAUM	2266	9727	116	12109

4.	BELLARY	1458	8589	73	10120
5.	BIDAR	576	3135	35	3746
6.	BIJAPUR	850	4814	2	5666
7.	CHIKKAMAGALORE	346	1706	1	2053
8.	CHITRADURGA	2887	6586	80	9553
9.	DAKSHINA KANNADA	404	1510	1	1915
10.	DHARWAR	1331	9779	59	11169
11.	GULBARGA	115	192	0	307
12.	HASSAN	420	842	5	1267
13.	KODAGU	8	15	0	23
14.	KOLAR	2494	20074	0	22568
15.	MANDYA	796	2552	5	3353
16.	MYSORE	1728	3778	6	5512
17.	RAICHUR	550	4068	51	4669
18.	SHIMOGA	1838	4757	24	6619
19.	TUMKUR	4462	26571	361	31394
20.	UTTARA KANNADA	18	391	1	410

State Total : 24166 125594 822 150582

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : KARNATAKA

(in Nos.)

According to Average Pumping Hours during peak season

Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	BANGALORE RURAL	1789	7107	1415	116	81	34	10542
2.	BANGALORE URBAN	1835	5353	170	16	7	206	7587
3.	BELGAUM	3635	8013	375	54	22	10	12109
4.	BELLARY	3929	4710	1060	251	13	157	10120
5.	BIDAR	1242	1860	520	52	6	66	3746
6.	BIJAPUR	1951	2899	700	76	16	24	5666
7.	CHIKKAMAGALORE	611	807	620	14	0	1	2053
8.	CHITRADURGA	1182	5863	1271	291	354	592	9553
9.	DAKSHINA KANNADA	1005	710	174	19	5	2	1915
10.	DHARWAR	2243	6137	2042	366	125	256	11169
11.	GULBARGA	195	87	23	2	0	0	307
12.	HASSAN	402	792	63	6	3	1	1267
13.	KODAGU	9	14	0	0	0	0	23
14.	KOLAR	7397	11559	3064	392	70	86	22568
15.	MANDYA	1545	1274	409	64	46	15	3353

16.	MYSORE	1191	2862	1371	62	15	11	5512
17.	RAICHUR	1383	2106	966	93	35	86	4669
18.	SHIMOGA	1086	3762	1541	128	28	74	6619
19.	TUMKUR	12615	15011	1986	446	839	497	31394
20.	UTTARA KANNADA	159	219	13	14	2	3	410
State Total :		45404	81145	17783	2462	1667	2121	150582

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.12 Average length of Water Conveyance Channel

State : KARNATAKA			(in Mts.)		
Sl. No.	Name of District	Total Number of Schemes	Average length of channels		
			Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	BANGALORE RURAL	10542	27	40	29
2.	BANGALORE URBAN	7587	22	79	23
3.	BELGAUM	12109	28	53	67
4.	BELLARY	10120	29	39	39
5.	BIDAR	3746	25	61	39
6.	BIJAPUR	5666	48	40	36
7.	CHIKKAMAGALORE	2053	8	56	9
8.	CHITRADURGA	9553	14	67	23
9.	DAKSHINA KANNADA	1915	60	16	20
10.	DHARWAR	11169	41	47	22
11.	GULBARGA	307	63	66	14
12.	HASSAN	1267	17	68	50
13.	KODAGU	23	8	79	17
14.	KOLAR	22568	14	94	55
15.	MANDYA	3353	23	29	40
16.	MYSORE	5512	17	31	24
17.	RAICHUR	4669	20	43	40
18.	SHIMOGA	6619	26	60	66
19.	TUMKUR	31394	14	44	34
20.	UTTARA KANNADA	410	9	74	12
State Average:		150582	25	54	32

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.13 Culturable Command Area and Potential Created

State : KARNATAKA

(in Ha.)

Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				
			Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7	8
1.	BANGALORE RURAL	15959	9827	4554	5106	790	20277
2.	BANGALORE URBAN	18830	14681	6309	3265	273	24528
3.	BELGAUM	22392	18111	6753	1387	560	26811
4.	BELLARY	29784	33236	15112	8603	9260	66211
5.	BIDAR	9046	5128	3898	937	20	9983
6.	BIJAPUR	12238	8804	4134	846	2352	16136
7.	CHIKKAMAGALORE	4040	1259	544	3150	36	4989
8.	CHITRADURGA	23343	16153	3102	7578	5343	32176
9.	DAKSHINA KANNADA	3557	218	850	2468	98	3634
10.	DHARWAR	22640	16558	11232	3406	3906	35102
11.	GULBARGA	1014	413	560	57	8	1038
12.	HASSAN	2151	881	779	916	120	2696
13.	KODAGU	55	37	27	0	0	64
14.	KOLAR	31893	22927	12175	9825	2103	47030
15.	MANDYA	3788	1919	1135	1073	227	4354
16.	MYSORE	9010	5608	1252	3196	856	10912
17.	RAICHUR	9157	8464	4289	482	914	14149
18.	SHIMOGA	16364	5298	1421	11765	1010	19494
19.	TUMKUR	39018	24927	10437	18098	2456	55918
20.	UTTARA KANNADA	875	550	361	65	33	1009
State Total :		275154	194999	88924	82223	30365	396511

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : KARNATAKA

(in Ha.)

Sl. No.	Name of District	Actual Area Irrigated during 1993-94				
		Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	BANGALORE RURAL	7895	3427	4587	446	16355
2.	BANGALORE URBAN	11568	4885	2853	208	19514

3.	BELGAUM	16401	5391	1308	428	23528
4.	BELLARY	19551	6274	1683	2151	29659
5.	BIDAR	3519	3806	840	32	8197
6.	BIJAPUR	7092	2981	770	2179	13022
7.	CHIKKAMAGALORE	766	251	2499	83	3599
8.	CHITRADURGA	13835	2251	6988	4570	27644
9.	DAKSHINA KANNADA	140	802	2352	130	3424
10.	DHARWAR	13438	10096	2890	3018	29442
11.	GULBARGA	230	231	29	9	499
12.	HASSAN	816	670	586	61	2133
13.	KODAGU	34	23	3	0	60
14.	KOLAR	18140	9033	7114	1414	35701
15.	MANDYA	1631	947	829	308	3715
16.	MYSORE	4645	1103	2758	865	9371
17.	RAICHUR	7831	4073	327	805	13036
18.	SHIMOGA	4498	1333	11403	948	18182
19.	TUMKUR	18109	5713	14325	1754	39901
20.	UTTARA KANNADA	501	332	60	33	926

State Total :		150640	63622	64204	19442	297908

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplimentary sources

State : KARNATAKA (in Ha.)

Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7

1.	BANGALORE RURAL	320	134	176	30	660
2.	BANGALORE URBAN	491	91	112	4	698
3.	BELGAUM	2623	925	66	265	3879
4.	BELLARY	1843	910	486	178	3417
5.	BIDAR	1018	2879	57	4	3958
6.	BIJAPUR	356	162	31	2	551
7.	CHIKKAMAGALORE	1	0	51	127	179
8.	CHITRADURGA	813	139	171	455	1578
9.	DAKSHINA KANNADA	0	49	123	64	236
10.	DHARWAR	1164	2828	236	137	4365
11.	GULBARGA	41	55	5	1	102
12.	HASSAN	73	0	19	35	127
13.	KODAGU	0	0	0	0	0
14.	KOLAR	382	116	279	209	986
15.	MANDYA	317	176	81	113	687
16.	MYSORE	389	81	808	105	1383

17.	RAICHUR	725	368	52	68	1213
18.	SHIMOGA	553	167	851	33	1604
19.	TUMKUR	1590	378	889	234	3091
20.	UTTARA KANNADA	0	0	0	2	2

State Total :		12699	9458	4493	2066	28716

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : KARNATAKA (in Nos.)

Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'ts	Constraints in utilisation of Irri. Pot. Created					Grand Total
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason	Total (5 to 8)	
1	2	3	4	5	6	7	8	9	10
1.	BANGALORE RURAL	10273	4623	4061	60	1414	115	5650	10273
2.	BANGALORE URBAN	7391	1329	5410	154	491	7	6062	7391
3.	BELGAUM	11777	7010	3038	91	1058	580	4767	11777
4.	BELLARY	8524	5194	1650	167	1306	207	3330	8524
5.	BIDAR	3331	1307	1269	56	487	212	2024	3331
6.	BIJAPUR	5277	3740	692	154	631	60	1537	5277
7.	CHIKKAMAGALORE	1971	909	887	8	15	152	1062	1971
8.	CHITRADURGA	9071	3723	4020	41	1103	184	5348	9071
9.	DAKSHINA KANNADA	1899	887	568	12	347	85	1012	1899
10.	DHARWAR	10734	3824	5017	602	537	754	6910	10734
11.	GULBARGA	260	118	61	12	61	8	142	260
12.	HASSAN	1192	463	687	25	7	10	729	1192
13.	KODAGU	21	1	16	0	4	0	20	21
14.	KOLAR	22007	10578	8110	226	2156	937	11429	22007
15.	MANDYA	3286	1286	1744	55	130	71	2000	3286
16.	MYSORE	5335	2089	2979	58	130	79	3246	5335
17.	RAICHUR	4621	2408	1499	55	499	160	2213	4621
18.	SHIMOGA	6577	2747	3359	164	169	138	3830	6577
19.	TUMKUR	30448	8340	14554	265	4760	2529	22108	30448
20.	UTTARA KANNADA	398	243	49	21	6	79	155	398

State Total :		144393	60819	59670	2226	15311	6367	83574	144393

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : KERALA

(in Nos.)

Construction of Deep Tubewells over the years

Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	ALAPUZHA	0	0	31	0	15	0	12	0	58
2.	ERANAKULAM	6	0	0	1	0	1	1	3	12
3.	IDUKKI	0	0	0	0	0	0	2	0	2
4.	KANNUR	3	1	2	2	5	1	2	1	17
5.	KASARAGODE	5	5	11	4	1	4	0	0	30
6.	KOLLAM	4	0	0	0	0	0	3	1	8
7.	KOTTAYAM	3	7	0	0	0	0	0	1	11
8.	KOZHIKODE	0	0	1	0	1	0	0	0	2
9.	MALAPPURAM	0	3	0	4	1	1	1	3	13
10.	PALAKKAD	8	1	2	1	7	2	3	5	29
11.	PATHANAMTHITTA	0	0	0	0	4	3	1	1	9
12.	THIRUVANANTHAPURAM	0	2	1	2	0	0	0	1	6
13.	THRISSUR	0	0	1	0	0	0	0	0	1
* State Total :		29	19	49	14	34	12	25	16	198

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : KERALA

(in Nos.)

Tubewells Owned by

Sl. No.	Name of District	Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	ALAPUZHA	0	0	0	0	0	58	58
2.	ERANAKULAM	0	0	0	3	0	9	12
3.	IDUKKI	0	0	0	0	0	2	2
4.	KANNUR	2	1	0	1	0	13	17
5.	KASARAGODE	4	1	7	5	0	13	30
6.	KOLLAM	1	0	0	0	0	7	8
7.	KOTTAYAM	0	0	0	11	0	0	11
8.	KOZHIKODE	0	0	0	1	0	1	2
9.	MALAPPURAM	0	0	0	2	0	11	13
10.	PALAKKAD	0	0	0	0	0	29	29
11.	PATHANAMTHITTA	0	0	0	0	0	9	9
12.	THIRUVANANTHAPURAM	0	0	0	2	0	4	6
13.	THRISSUR	0	0	0	1	0	0	1
* State Total :		7	2	7	26	0	156	198

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : KERALA

(in Nos.)

According to Farmers' Holding size

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : MADHYA PRADESH

(in Nos.)

Construction of Deep Tubewells over the years

Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	BALAGHAT	1	0	0	0	0	0	0	0	1
2.	BASTAR	2	1	1	0	0	0	0	0	4
3.	BETUL	90	3	88	8	17	16	18	14	254
4.	BHIND	78	6	1	2	5	9	18	3	122
5.	BILASPUR	73	12	75	58	87	49	66	55	475
6.	CHHATARPUR	179	3	20	3	4	3	2	0	214
7.	CHHINDWARA	1250	148	130	46	186	34	15	72	1881
8.	DAMOH	7	8	9	4	35	47	66	44	220
9.	DEWAS	359	32	67	66	281	145	52	28	1030
10.	DHAR	71	66	57	22	63	74	55	40	448
11.	DURG	42	9	25	15	27	16	9	4	147
12.	GUNA	61	2	5	46	75	59	94	121	463
13.	GWALIOR	1	0	0	1	2	14	18	11	47
14.	HOSHANGABAD	63	11	27	12	8	9	9	4	143
15.	INDORE	103	59	41	185	173	199	100	125	985
16.	JABALPUR	144	121	140	18	26	33	16	13	511
17.	JHABUA	6	1	3	19	15	2	4	3	53
18.	KHANDWA	235	36	40	94	116	161	158	122	962
19.	KHARGONE	97	54	56	115	264	255	258	116	1215
20.	MANDLA	1	0	1	0	0	0	0	0	2
21.	MANDSAUR	171	36	77	97	166	152	170	296	1165
22.	MORENA	50	4	8	73	38	34	21	60	288
23.	NARSIMHAPUR	377	560	134	45	70	118	69	67	1440
24.	PANNA	13	14	6	5	4	4	9	4	59
25.	RAIGARH	178	32	37	15	90	14	38	29	433
26.	RAIPUR	70	6	23	26	11	32	9	5	182
27.	RAISEN	21	7	21	8	21	13	12	2	105
28.	RAJGARH	51	9	40	10	14	8	18	7	157
29.	RAJNANDGAON	26	16	3	10	8	1	1	5	70
30.	RATLAM	211	45	151	139	230	342	329	380	1827
31.	REWA	6	6	55	58	104	86	144	58	517
32.	SAGAR	88	11	9	5	16	19	29	15	192

33.	SATNA	86	14	93	89	291	365	465	392	1795
34.	SEHORE	2	0	1	2	0	0	0	0	5
35.	SEONI	724	236	211	30	12	29	18	7	1267
36.	SHAHNOL	15	3	6	0	12	67	45	44	192
37.	SHAJAPUR	360	78	17	23	79	21	5	5	588
38.	SHIVPURI	48	4	8	28	35	38	56	26	243
39.	SIDHI	0	4	0	1	3	4	4	9	25
40.	SURGUJA	1074	75	2	0	484	0	0	0	1635
41.	TIKAMGARH	671	14	38	2	15	12	4	51	807
42.	UJJAIN	731	216	199	189	354	163	146	100	2098
43.	VIDISHA	23	0	9	2	4	34	31	81	184

* State Total :		7859	1962	1934	1571	3445	2681	2581	2418	24451

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : MADHYA PRADESH (in Nos.)

Sl. No.	Name of District	Tubewells Owned by						Total (3 to 8)
		Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	
1	2	3	4	5	6	7	8	9
1.	BALAGHAT	0	0	1	0	0	0	1
2.	BASTAR	1	0	0	0	0	3	4
3.	BETUL	0	0	0	10	0	244	254
4.	BHIND	27	1	0	40	0	54	122
5.	BILASPUR	37	1	0	15	0	422	475
6.	CHHATARPUR	3	0	0	14	0	197	214
7.	CHHINDWARA	0	0	0	261	0	1620	1881
8.	DAMOH	0	2	0	29	0	189	220
9.	DEWAS	2	0	0	42	0	986	1030
10.	DHAR	0	2	1	24	0	421	448
11.	DURG	20	1	2	0	0	124	147
12.	GUNA	2	7	46	21	0	387	463
13.	GWALIOR	0	0	0	1	0	46	47
14.	HOSHANGABAD	46	0	0	2	0	95	143
15.	INDORE	2	1	0	86	0	896	985
16.	JABALPUR	6	2	0	405	0	98	511
17.	JHABUA	0	0	1	0	0	52	53
18.	KHANDWA	4	1	0	0	0	957	962
19.	KHARGONE	7	0	1	14	0	1193	1215
20.	MANDLA	0	0	0	0	0	2	2
21.	MANDSAUR	6	1	3	575	0	580	1165
22.	MORENA	1	1	0	45	0	241	288
23.	NARSIMHAPUR	53	0	1	1023	0	363	1440
24.	PANNA	0	0	0	0	0	59	59
25.	RAIGARH	63	6	22	26	0	316	433
26.	RAIPUR	22	0	3	2	1	154	182
27.	RAISEN	3	0	0	0	0	102	105
28.	RAJGARH	0	0	3	11	0	143	157

29.	RAJNANDGAON	6	0	0	1	0	63	70
30.	RATLAM	8	0	3	83	0	1733	1827
31.	REWA	0	0	1	11	0	505	517
32.	SAGAR	0	0	1	19	75	97	192
33.	SATNA	6	1	2	156	0	1630	1795
34.	SEHORE	0	0	0	0	0	5	5
35.	SEONI	0	0	0	1267	0	0	1267
36.	SHAHDOL	2	0	6	3	0	181	192
37.	SHAJAPUR	0	0	0	346	0	242	588
38.	SHIVPURI	4	0	0	51	4	184	243
39.	SIDHI	0	0	0	0	0	25	25
40.	SURGUJA	500	36	12	0	0	1087	1635
41.	TIKAMGARH	10	3	2	434	1	357	807
42.	UJJAIN	11	0	0	38	0	2049	2098
43.	VIDISHA	1	2	2	25	0	154	184
* State Total :		853	68	113	5080	81	18256	24451

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : MADHYA PRADESH		(in Nos.)				
		According to Farmers' Holding size				
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	BALAGHAT	0	0	0	0	0
2.	BASTAR	0	0	0	0	0
3.	BETUL	1	0	5	4	10
4.	BHIND	3	3	31	3	40
5.	BILASPUR	3	1	10	1	15
6.	CHHATARPUR	0	4	6	4	14
7.	CHHINDWARA	0	0	0	261	261
8.	DAMOH	0	0	24	5	29
9.	DEWAS	0	0	0	42	42
10.	DHAR	0	1	13	10	24
11.	DURG	0	0	0	0	0
12.	GUNA	0	4	13	4	21
13.	GWALIOR	0	0	1	0	1
14.	HOSHANGABAD	0	0	2	0	2
15.	INDORE	12	26	38	10	86
16.	JABALPUR	0	0	0	405	405
17.	JHABUA	0	0	0	0	0
18.	KHANDWA	0	0	0	0	0
19.	KHARGONE	0	2	7	5	14
20.	MANDLA	0	0	0	0	0
21.	MANDSAUR	18	8	22	527	575
22.	MORENA	1	4	37	3	45
23.	NARSIMHAPUR	211	253	556	3	1023
24.	PANNA	0	0	0	0	0

25.	RAIGARH	0	4	21	1	26
26.	RAIPUR	0	0	3	0	3
27.	RAISEN	0	0	0	0	0
28.	RAJGARH	0	1	10	0	11
29.	RAJNANDGAON	0	0	1	0	1
30.	RATLAM	6	15	49	13	83
31.	REWA	0	0	6	5	11
32.	SAGAR	1	4	13	76	94
33.	SATNA	8	20	39	89	156
34.	SEHORE	0	0	0	0	0
35.	SEONI	0	0	1267	0	1267
36.	SHAHDOL	0	0	0	3	3
37.	SHAJAPUR	0	0	0	346	346
38.	SHIVPURI	9	12	23	11	55
39.	SIDHI	0	0	0	0	0
40.	SURGUJA	0	0	0	0	0
41.	TIKAMGARH	47	142	235	11	435
42.	UJJAIN	0	0	0	38	38
43.	VIDISHA	1	5	13	6	25

* State Total :		321	509	2445	1886	5161

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : MADHYA PRADESH

(in Nos.)

Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	BALAGHAT	0	0	0	0	1	1
2.	BASTAR	0	0	0	0	4	4
3.	BETUL	0	0	10	10	244	254
4.	BHIND	0	0	40	40	82	122
5.	BILASPUR	4	1	10	15	460	475
6.	CHHATARPUR	0	3	11	14	200	214
7.	CHHINDWARA	0	0	261	261	1620	1881
8.	DAMOH	0	0	29	29	191	220
9.	DEWAS	0	0	42	42	988	1030
10.	DHAR	1	10	13	24	424	448
11.	DURG	0	0	0	0	147	147
12.	GUNA	1	0	20	21	442	463
13.	GWALIOR	0	0	1	1	46	47
14.	HOSHANGABAD	0	1	1	2	141	143
15.	INDORE	6	0	80	86	899	985
16.	JABALPUR	0	0	405	405	106	511
17.	JHABUA	0	0	0	0	53	53
18.	KHANDWA	0	0	0	0	962	962
19.	KHARGONE	0	0	14	14	1201	1215
20.	MANDLA	0	0	0	0	2	2

21.	MANDSAUR	0	1	574	575	590	1165
22.	MORENA	1	0	44	45	243	288
23.	NARSIMHAPUR	0	0	1023	1023	417	1440
24.	PANNA	0	0	0	0	59	59
25.	RAIGARH	2	11	13	26	407	433
26.	RAIPUR	0	0	3	3	179	182
27.	RAISEN	0	0	0	0	105	105
28.	RAJGARH	0	0	11	11	146	157
29.	RAJNANDGAON	0	1	0	1	69	70
30.	RATLAM	4	2	77	83	1744	1827
31.	REWA	0	0	11	11	506	517
32.	SAGAR	1	5	88	94	98	192
33.	SATNA	3	0	153	156	1639	1795
34.	SEHORE	0	0	0	0	5	5
35.	SEONI	344	363	560	1267	0	1267
36.	SHAHNOL	0	0	3	3	189	192
37.	SHAJAPUR	0	0	346	346	242	588
38.	SHIVPURI	1	0	54	55	188	243
39.	SIDHI	0	0	0	0	25	25
40.	SURGUJA	0	0	0	0	1635	1635
41.	TIKAMGARH	26	1	408	435	372	807
42.	UJJAIN	0	0	38	38	2060	2098
43.	VIDISHA	1	0	24	25	159	184

* State Total :		395	399	4367	5161	19290	24451

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : MADHYA PRADESH

(in Nos.)

Sl. No.	Name of District	T'wells	Tubewells Not in Use			Total (4 to 7)	Grand Total (3 + 8)	
		In Use	Temporary	Dried up	Destroyed			Others
1	2	3	4	5	6	7	8	9
1.	BALAGHAT	1	0	0	0	0	0	1
2.	BASTAR	2	0	0	2	0	2	4
3.	BETUL	251	2	1	0	0	3	254
4.	BHIND	122	0	0	0	0	0	122
5.	BILASPUR	454	13	3	5	0	21	475
6.	CHHATARPUR	193	11	8	2	0	21	214
7.	CHHINDWARA	1881	0	0	0	0	0	1881
8.	DAMOH	213	2	2	2	1	7	220
9.	DEWAS	1015	3	3	9	0	15	1030
10.	DHAR	338	12	8	1	89	110	448
11.	DURG	125	9	8	2	3	22	147
12.	GUNA	463	0	0	0	0	0	463
13.	GWALIOR	47	0	0	0	0	0	47
14.	HOSHANGABAD	131	0	0	4	8	12	143
15.	INDORE	887	59	2	1	36	98	985
16.	JABALPUR	478	0	0	0	33	33	511
17.	JHABUA	53	0	0	0	0	0	53

18. KHANDWA	912	3	21	16	10	50	962
19. KHARGONE	1144	12	45	7	7	71	1215
20. MANDLA	2	0	0	0	0	0	2
21. MANDSAUR	1127	8	14	1	15	38	1165
22. MORENA	288	0	0	0	0	0	288
23. NARSIMHAPUR	969	73	25	0	373	471	1440
24. PANNA	59	0	0	0	0	0	59
25. RAIGARH	428	5	0	0	0	5	433
26. RAIPUR	175	3	2	1	1	7	182
27. RAISEN	105	0	0	0	0	0	105
28. RAJGARH	156	0	0	0	1	1	157
29. RAJNANDGAON	67	1	0	2	0	3	70
30. RATLAM	1718	39	23	2	45	109	1827
31. REWA	515	2	0	0	0	2	517
32. SAGAR	192	0	0	0	0	0	192
33. SATNA	1732	45	14	4	0	63	1795
34. SEHORE	5	0	0	0	0	0	5
35. SEONI	1051	0	2	0	214	216	1267
36. SHAHDOL	185	4	3	0	0	7	192
37. SHAJAPUR	582	1	0	0	5	6	588
38. SHIVPURI	243	0	0	0	0	0	243
39. SIDHI	24	0	1	0	0	1	25
40. SURGUJA	1635	0	0	0	0	0	1635
41. TIKAMGARH	807	0	0	0	0	0	807
42. UJJAIN	2079	5	3	0	11	19	2098
43. VIDISHA	160	24	0	0	0	24	184

* State Total :	23014	336	188	61	852	1437	24451

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : MADHYA PRADESH

(in Nos.)

Sl. No.		Source of Finance for constructing Tubewells					Total (3 to 7)
		Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	
1	2	3	4	5	6	7	8
1.	BALAGHAT	0	1	0	0	0	1
2.	BASTAR	1	0	1	0	1	3
3.	BETUL	92	130	25	5	2	254
4.	BHIND	9	23	13	2	48	95
5.	BILASPUR	67	252	66	40	13	438
6.	CHHATARPUR	81	2	126	2	0	211
7.	CHHINDWARA	1678	162	24	16	1	1881
8.	DAMOH	36	121	31	26	6	220
9.	DEWAS	372	651	1	4	0	1028
10.	DHAR	151	254	7	34	2	448
11.	DURG	16	65	16	29	1	127
12.	GUNA	62	248	16	2	133	461
13.	GWALIOR	1	18	1	1	26	47

14.	HOSHANGABAD	33	36	15	8	5	97
15.	INDORE	8	918	51	4	2	983
16.	JABALPUR	205	273	10	15	2	505
17.	JHABUA	1	43	5	3	1	53
18.	KHANDWA	0	591	128	217	22	958
19.	KHARGONE	177	632	124	43	232	1208
20.	MANDLA	2	0	0	0	0	2
21.	MANDSAUR	109	980	4	9	57	1159
22.	MORENA	7	196	25	11	48	287
23.	NARSIMHAPUR	689	567	114	13	4	1387
24.	PANNA	17	23	14	1	4	59
25.	RAIGARH	19	297	35	9	10	370
26.	RAIPUR	16	92	24	28	0	160
27.	RAISEN	8	62	6	22	4	102
28.	RAJGARH	6	83	51	14	3	157
29.	RAJNANDGAON	19	25	9	2	9	64
30.	RATLAM	226	1451	75	13	54	1819
31.	REWA	12	464	41	0	0	517
32.	SAGAR	51	39	0	4	98	192
33.	SATNA	106	1286	285	90	22	1789
34.	SEHORE	4	1	0	0	0	5
35.	SEONI	1195	47	19	6	0	1267
36.	SHAHDOL	10	163	6	8	3	190
37.	SHAJAPUR	479	100	3	6	0	588
38.	SHIVPURI	6	105	39	12	77	239
39.	SIDHI	5	5	4	11	0	25
40.	SURGUJA	187	894	20	5	29	1135
41.	TIKAMGARH	351	1	0	4	441	797
42.	UJJAIN	935	1038	85	21	8	2087
43.	VIDISHA	11	115	28	28	1	183
* State Total :		7460	12454	1547	768	1369	23598

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : MADHYA PRADESH

(in Nos.)

		According to Water Distribution System					Total (3 to 7)
Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	
1	2	3	4	5	6	7	8
1.	BALAGHAT	0	0	0	0	1	1
2.	BASTAR	0	1	3	0	0	4
3.	BETUL	41	6	185	18	4	254
4.	BHIND	0	4	88	0	30	122
5.	BILASPUR	10	3	325	5	132	475
6.	CHHATARPUR	127	0	87	0	0	214
7.	CHHINDWARA	76	2	1714	87	2	1881
8.	DAMOH	46	1	115	58	0	220
9.	DEWAS	216	7	414	256	137	1030

10.	DHAR	8	4	218	184	34	448
11.	DURG	10	5	76	1	55	147
12.	GUNA	0	0	342	36	85	463
13.	GWALIOR	0	0	47	0	0	47
14.	HOSHANGABAD	17	0	109	16	1	143
15.	INDORE	10	11	532	418	14	985
16.	JABALPUR	334	0	114	19	44	511
17.	JHABUA	0	0	28	25	0	53
18.	KHANDWA	9	8	341	599	5	962
19.	KHARGONE	7	39	573	539	57	1215
20.	MANDLA	0	0	2	0	0	2
21.	MANDSAUR	35	3	529	585	13	1165
22.	MORENA	6	0	282	0	0	288
23.	NARSIMHAPUR	944	11	396	37	52	1440
24.	PANNA	13	9	30	3	4	59
25.	RAIGARH	0	0	394	19	20	433
26.	RAIPUR	8	0	156	3	15	182
27.	RAISEN	1	0	21	65	18	105
28.	RAJGARH	2	0	104	51	0	157
29.	RAJNANDGAON	10	2	40	3	15	70
30.	RATLAM	19	13	975	621	199	1827
31.	REWA	11	5	467	0	34	517
32.	SAGAR	7	0	83	57	45	192
33.	SATNA	107	48	1447	0	193	1795
34.	SEHORE	0	0	0	4	1	5
35.	SEONI	27	0	1132	42	66	1267
36.	SHAHNOL	0	0	189	1	2	192
37.	SHAJAPUR	64	0	137	386	1	588
38.	SHIVPURI	0	0	224	16	3	243
39.	SIDHI	0	1	20	4	0	25
40.	SURGUJA	0	20	1260	211	144	1635
41.	TIKAMGARH	31	1	772	0	3	807
42.	UJJAIN	0	0	838	1222	38	2098
43.	VIDISHA	26	2	63	38	55	184

* State Total : 2222 206 14872 5629 1522 24451

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : MADHYA PRADESH

(in Nos.)

----- According to Water Lifting Devices -----					
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	BALAGHAT	1	0	0	1
2.	BASTAR	2	1	1	4
3.	BETUL	224	10	20	254
4.	BHIND	120	0	2	122
5.	BILASPUR	417	24	34	475

2. BASTAR	2	0	0	2	4
3. BETUL	227	27	0	0	254
4. BHIND	121	0	0	1	122
5. BILASPUR	414	58	1	2	475
6. CHHATARPUR	184	8	20	2	214
7. CHHINDWARA	1736	144	0	1	1881
8. DAMOH	195	25	0	0	220
9. DEWAS	960	68	0	2	1030
10. DHAR	254	185	9	0	448
11. DURG	120	21	6	0	147
12. GUNA	463	0	0	0	463
13. GWALIOR	47	0	0	0	47
14. HOSHANGABAD	64	43	5	31	143
15. INDORE	790	195	0	0	985
16. JABALPUR	439	46	11	15	511
17. JHABUA	16	37	0	0	53
18. KHANDWA	154	692	107	9	962
19. KHARGONE	330	883	1	1	1215
20. MANDLA	0	2	0	0	2
21. MANDSAUR	508	652	0	5	1165
22. MORENA	288	0	0	0	288
23. NARSIMHAPUR	1177	226	8	29	1440
24. PANNA	31	28	0	0	59
25. RAIGARH	358	70	1	4	433
26. RAIPUR	169	13	0	0	182
27. RAISEN	76	22	4	3	105
28. RAJGARH	115	42	0	0	157
29. RAJNANDGAON	57	12	1	0	70
30. RATLAM	1116	702	1	8	1827
31. REWA	497	16	1	3	517
32. SAGAR	192	0	0	0	192
33. SATNA	1706	85	3	1	1795
34. SEHORE	5	0	0	0	5
35. SEONI	1262	5	0	0	1267
36. SHAHDOL	186	6	0	0	192
37. SHAJAPUR	586	1	0	1	588
38. SHIVPURI	234	9	0	0	243
39. SIDHI	24	1	0	0	25
40. SURGUJA	1548	81	0	6	1635
41. TIKAMGARH	807	0	0	0	807
42. UJJAIN	2078	3	0	17	2098
43. VIDISHA	130	54	0	0	184

* State Total :	19667	4462	179	143	24451

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : MADHYA PRADESH		(in Nos.)			

		Location of Tubewells			

Sl. No.	Name of District	On the Command	Outside Command	Augmen- tation	Total (3 to 5)

1	2	3	4	5	6
1.	BALAGHAT	0	1	0	1
2.	BASTAR	1	3	0	4
3.	BETUL	2	252	0	254
4.	BHIND	0	122	0	122
5.	BILASPUR	62	413	0	475
6.	CHHATARPUR	0	214	0	214
7.	CHHINDWARA	467	1414	0	1881
8.	DAMOH	2	218	0	220
9.	DEWAS	15	1015	0	1030
10.	DHAR	7	441	0	448
11.	DURG	9	138	0	147
12.	GUNA	0	463	0	463
13.	GWALIOR	0	47	0	47
14.	HOSHANGABAD	16	127	0	143
15.	INDORE	16	969	0	985
16.	JABALPUR	59	452	0	511
17.	JHABUA	0	53	0	53
18.	KHANDWA	38	924	0	962
19.	KHARGONE	78	1137	0	1215
20.	MANDLA	0	2	0	2
21.	MANDSAUR	36	1124	5	1165
22.	MORENA	0	288	0	288
23.	NARSIMHAPUR	50	1390	0	1440
24.	PANNA	0	59	0	59
25.	RAIGARH	59	374	0	433
26.	RAIPUR	29	153	0	182
27.	RAISEN	20	85	0	105
28.	RAJGARH	1	156	0	157
29.	RAJNANDGAON	11	59	0	70
30.	RATLAM	14	1813	0	1827
31.	REWA	16	501	0	517
32.	SAGAR	0	192	0	192
33.	SATNA	41	1754	0	1795
34.	SEHORE	2	3	0	5
35.	SEONI	162	1105	0	1267
36.	SHAHDOL	0	192	0	192
37.	SHAJAPUR	20	568	0	588
38.	SHIVPURI	0	241	2	243
39.	SIDHI	0	25	0	25
40.	SURGUJA	15	1620	0	1635
41.	TIKAMGARH	0	807	0	807
42.	UJJAIN	16	2082	0	2098
43.	VIDISHA	3	181	0	184
* State Total :		1267	23177	7	24451

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : MADHYA PRADESH

(in Nos.)

		According to Average Pumping Hours during peak season						
Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	BALAGHAT	0	1	0	0	0	0	1
2.	BASTAR	4	0	0	0	0	0	4
3.	BETUL	68	142	19	2	22	1	254
4.	BHIND	121	0	1	0	0	0	122
5.	BILASPUR	73	229	93	30	41	9	475
6.	CHHATARPUR	7	180	17	10	0	0	214
7.	CHHINDWARA	198	911	759	11	0	2	1881
8.	DAMOH	5	169	13	10	23	0	220
9.	DEWAS	18	796	171	41	4	0	1030
10.	DHAR	5	261	175	3	4	0	448
11.	DURG	20	47	39	34	7	0	147
12.	GUNA	462	1	0	0	0	0	463
13.	GWALIOR	47	0	0	0	0	0	47
14.	HOSHANGABAD	9	12	53	9	36	24	143
15.	INDORE	195	8	387	352	43	0	985
16.	JABALPUR	96	9	114	77	215	0	511
17.	JHABUA	0	8	34	11	0	0	53
18.	KHANDWA	28	95	271	150	418	0	962
19.	KHARGONE	22	773	284	77	59	0	1215
20.	MANDLA	0	2	0	0	0	0	2
21.	MANDSAUR	35	220	562	206	142	0	1165
22.	MORENA	288	0	0	0	0	0	288
23.	NARSIMHAPUR	102	476	341	247	268	6	1440
24.	PANNA	10	25	12	11	1	0	59
25.	RAIGARH	238	19	96	33	23	24	433
26.	RAIPUR	33	31	23	52	16	27	182
27.	RAISEN	24	72	9	0	0	0	105
28.	RAJGARH	7	114	13	23	0	0	157
29.	RAJNANDGAON	13	40	9	6	2	0	70
30.	RATLAM	53	323	892	357	201	1	1827
31.	REWA	1	359	117	37	3	0	517
32.	SAGAR	192	0	0	0	0	0	192
33.	SATNA	91	708	718	201	66	11	1795
34.	SEHORE	0	1	4	0	0	0	5
35.	SEONI	283	801	183	0	0	0	1267
36.	SHAHDOL	8	123	38	19	3	1	192
37.	SHAJAPUR	1	146	323	98	0	20	588
38.	SHIVPURI	234	9	0	0	0	0	243
39.	SIDHI	0	15	1	0	9	0	25
40.	SURGUJA	1489	0	55	51	40	0	1635
41.	TIKAMGARH	807	0	0	0	0	0	807
42.	UJJAIN	8	868	842	372	6	2	2098
43.	VIDISHA	0	166	5	0	0	13	184
* State Total :		5295	8160	6673	2530	1652	141	24451

* Data in respect of the remaining 2 Districts are NIL.

Table 3.12 Average length of Water Conveyance Channel

State : MADHYA PRADESH		(in Mts.)			
Sl. No.	Name of District	Total Number of Schemes	Average length of channels		
			Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	BALAGHAT	1	0	0	0
2.	BASTAR	4	57	28	0
3.	BETUL	254	0	121	18
4.	BHIND	122	1	188	0
5.	BILASPUR	475	2	30	1
6.	CHHATARPUR	214	0	57	0
7.	CHHINDWARA	1881	16	104	21
8.	DAMOH	220	26	72	65
9.	DEWAS	1030	1	22	21
10.	DHAR	448	3	58	61
11.	DURG	147	8	47	0
12.	GUNA	463	15	32	43
13.	GWALIOR	47	0	179	3
14.	HOSHANGABAD	143	76	142	15
15.	INDORE	985	0	30	68
16.	JABALPUR	511	111	24	22
17.	JHABUA	53	43	12	52
18.	KHANDWA	962	18	66	139
19.	KHARGONE	1215	3	38	80
20.	MANDLA	2	20	110	0
21.	MANDSAUR	1165	1	49	74
22.	MORENA	288	7	153	0
23.	NARSIMHAPUR	1440	7	54	111
24.	PANNA	59	1	77	6
25.	RAIGARH	433	14	35	0
26.	RAIPUR	182	11	57	3
27.	RAISEN	105	0	49	109
28.	RAJGARH	157	0	72	50
29.	RAJNANDGAON	70	12	59	0
30.	RATLAM	1827	0	98	44
31.	REWA	517	7	177	6
32.	SAGAR	192	3	24	93
33.	SATNA	1795	12	123	19
34.	SEHORE	5	0	20	125
35.	SEONI	1267	0	10	17
36.	SHAHDOL	192	7	164	3
37.	SHAJAPUR	588	0	9	124
38.	SHIVPURI	243	1	79	13
39.	SIDHI	25	5	164	9
40.	SURGUJA	1635	0	10	4
41.	TIKAMGARH	807	0	19	0
42.	UJJAIN	2098	0	15	67
43.	VIDISHA	184	0	89	161
* State Average:		24451	17	70	49

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS (1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.13 Culturable Command Area and Potential Created

State : MADHYA PRADESH

(in Ha.)

Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				Total
			Kharif	Rabi	Perennial	Others	
1	2	3	4	5	6	7	8
1.	BALAGHAT	9	9	0	0	0	9
2.	BASTAR	32	28	6	4	0	38
3.	BETUL	1131	62	1091	3	0	1156
4.	BHIND	985	92	1136	0	0	1228
5.	BILASPUR	2843	2538	1119	8	5	3670
6.	CHHATARPUR	317	0	318	0	0	318
7.	CHHINDWARA	6292	1063	5070	1	685	6819
8.	DAMOH	939	0	939	0	0	939
9.	DEWAS	3007	336	2638	2	88	3064
10.	DHAR	1502	793	810	5	1	1609
11.	DURG	995	949	845	5	14	1813
12.	GUNA	2723	20	2789	0	0	2809
13.	GWALIOR	307	83	291	0	0	374
14.	HOSHANGABAD	2945	12	2936	0	0	2948
15.	INDORE	3109	71	3058	1	0	3130
16.	JABALPUR	1834	524	1699	0	0	2223
17.	JHABUA	198	82	117	0	0	199
18.	KHANDWA	3136	1182	1823	968	35	4008
19.	KHARGONE	5825	3892	2265	142	12	6311
20.	MANDLA	14	0	14	0	0	14
21.	MANDSAUR	3827	929	3315	28	5	4277
22.	MORENA	1576	84	1591	0	0	1675
23.	NARSIMHAPUR	6832	1313	5975	10	0	7298
24.	PANNA	340	0	340	0	3	343
25.	RAIGARH	1660	707	1112	0	0	1819
26.	RAIPUR	4233	5340	1623	41	0	7004
27.	RAISEN	983	242	986	0	0	1228
28.	RAJGARH	861	129	865	0	0	994
29.	RAJNANDGAON	535	499	138	1	3	641
30.	RATLAM	4975	1102	4001	9	12	5124
31.	REWA	3005	2364	2792	7	5	5168
32.	SAGAR	638	2	685	0	0	687
33.	SATNA	12428	10706	12188	4611	111	27616
34.	SEHORE	30	0	30	0	0	30
35.	SEONI	1627	247	1430	0	0	1677
36.	SHAHDOL	1213	1244	1163	0	0	2407
37.	SHAJAPUR	1256	143	1228	0	13	1384
38.	SHIVPURI	659	923	1448	0	0	2371
39.	SIDHI	349	0	349	0	0	349
40.	SURGUJA	6254	4838	1901	283	0	7022
41.	TIKAMGARH	1855	379	1903	0	0	2282
42.	UJJAIN	3753	54	3730	33	0	3817
43.	VIDISHA	874	0	925	0	0	925
* State Total :		97906	42981	78682	6162	992	128817

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : MADHYA PRADESH

(in Ha.)

Sl. No.	Name of District	Actual Area Irrigated during 1993-94				
		Kharif	Rabi	Perennial	Others	Total
1	2	3	4	5	6	7
1.	BALAGHAT	5	4	0	0	9
2.	BASTAR	0	5	4	0	9
3.	BETUL	49	854	0	0	903
4.	BHIND	1	1054	0	0	1055
5.	BILASPUR	1555	949	8	4	2516
6.	CHHATARPUR	0	286	0	0	286
7.	CHHINDWARA	235	4655	1	553	5444
8.	DAMOH	0	747	0	0	747
9.	DEWAS	267	2139	5	70	2481
10.	DHAR	479	513	1	1	994
11.	DURG	531	273	5	13	822
12.	GUNA	8	2627	0	0	2635
13.	GWALIOR	4	267	0	0	271
14.	HOSHANGABAD	28	2396	0	0	2424
15.	INDORE	32	2766	0	0	2798
16.	JABALPUR	55	1413	0	0	1468
17.	JHABUA	80	118	0	0	198
18.	KHANDWA	636	1506	1075	31	3248
19.	KHARGONE	3044	1837	188	0	5069
20.	MANDLA	0	9	0	0	9
21.	MANDSAUR	239	3032	23	0	3294
22.	MORENA	6	1568	0	0	1574
23.	NARSIMHAPUR	709	5678	14	0	6401
24.	PANNA	0	340	0	0	340
25.	RAIGARH	286	636	0	0	922
26.	RAIPUR	4848	1475	27	0	6350
27.	RAISEN	0	880	0	0	880
28.	RAJGARH	1	781	0	0	782
29.	RAJNANDGAON	404	130	0	6	540
30.	RATLAM	613	3370	14	2	3999
31.	REWA	3	2228	2	2	2235
32.	SAGAR	0	601	0	0	601
33.	SATNA	56	9666	182	35	9939
34.	SEHORE	0	30	0	0	30
35.	SEONI	177	797	0	0	974
36.	SHAHNOL	10	1008	0	0	1018
37.	SHAJAPUR	130	907	0	1	1038
38.	SHIVPURI	22	1320	0	0	1342
39.	SIDHI	0	292	0	0	292
40.	SURGUJA	255	1521	0	0	1776
41.	TIKAMGARH	281	1629	0	0	1910
42.	UJJAIN	9	2488	31	0	2528

43.	VIDISHA	0	650	0	0	650

	* State Total :	15058	65445	1580	718	82801

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

State : MADHYA PRADESH

(in Ha.)

		Supplementary Irrigation in 1993-94				
Sl. No.	Name of District	Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	BALAGHAT	0	0	0	0	0
2.	BASTAR	0	0	0	0	0
3.	BETUL	0	0	0	0	0
4.	BHIND	0	0	0	0	0
5.	BILASPUR	83	54	0	0	137
6.	CHHATARPUR	0	0	0	0	0
7.	CHHINDWARA	0	0	0	0	0
8.	DAMOH	0	30	0	0	30
9.	DEWAS	0	19	0	0	19
10.	DHAR	0	0	0	0	0
11.	DURG	38	5	0	2	45
12.	GUNA	0	222	0	0	222
13.	GWALIOR	0	0	0	0	0
14.	HOSHANGABAD	0	10	0	0	10
15.	INDORE	3	50	0	0	53
16.	JABALPUR	0	0	0	0	0
17.	JHABUA	0	0	0	0	0
18.	KHANDWA	0	187	0	0	187
19.	KHARGONE	43	11	0	0	54
20.	MANDLA	0	0	0	0	0
21.	MANDSAUR	0	2	0	0	2
22.	MORENA	0	0	0	0	0
23.	NARSIMHAPUR	0	0	0	0	0
24.	PANNA	0	0	0	0	0
25.	RAIGARH	1	46	0	0	47
26.	RAIPUR	78	9	2	0	89
27.	RAISEN	0	0	0	0	0
28.	RAJGARH	0	0	0	0	0
29.	RAJNANDGAON	0	0	0	0	0
30.	RATLAM	9	2	4	2	17
31.	REWA	0	0	0	0	0
32.	SAGAR	0	0	0	0	0
33.	SATNA	0	24	0	4	28
34.	SEHORE	0	6	0	0	6
35.	SEONI	0	2	0	0	2
36.	SHAHDOL	0	0	0	0	0
37.	SHAJAPUR	0	0	0	0	0
38.	SHIVPURI	0	4	0	0	4
39.	SIDHI	0	0	0	0	0

40.	SURGUJA	0	4	0	0	4
41.	TIKAMGARH	0	10	0	0	10
42.	UJJAIN	0	0	0	0	0
43.	VIDISHA	0	26	1	0	27

* State Total :		255	723	7	8	993

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : MADHYA PRADESH

(in Nos.)

Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'tnts	Constraints in utilisation of Irri. Pot. Created				Total (5 to 8)	Grand Total (4 + 9)
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason		
1	2	3	4	5	6	7	8	9	10
1.	BALAGHAT	1	0	0	0	0	1	1	1
2.	BASTAR	2	1	0	0	1	0	1	2
3.	BETUL	251	0	1	0	181	69	251	251
4.	BHIND	122	0	0	0	0	122	122	122
5.	BILASPUR	454	259	8	0	2	185	195	454
6.	CHHATARPUR	193	0	115	0	17	61	193	193
7.	CHHINDWARA	1881	1370	0	0	107	404	511	1881
8.	DAMOH	213	0	20	0	34	159	213	213
9.	DEWAS	1015	605	4	0	111	295	410	1015
10.	DHAR	338	32	19	2	222	63	306	338
11.	DURG	125	9	3	1	8	104	116	125
12.	GUNA	463	0	0	0	0	463	463	463
13.	GWALIOR	47	0	0	0	1	46	47	47
14.	HOSHANGABAD	131	0	0	0	0	131	131	131
15.	INDORE	887	729	6	0	105	47	158	887
16.	JABALPUR	478	371	0	0	0	107	107	478
17.	JHABUA	53	39	0	0	5	9	14	53
18.	KHANDWA	912	477	1	1	23	410	435	912
19.	KHARGONE	1144	391	0	0	0	753	753	1144
20.	MANDLA	2	1	0	0	0	1	1	2
21.	MANDSAUR	1127	385	36	3	301	402	742	1127
22.	MORENA	288	0	4	0	0	284	288	288
23.	NARSIMHAPUR	969	650	0	0	4	315	319	969
24.	PANNA	59	0	8	0	12	39	59	59
25.	RAIGARH	428	183	4	8	26	207	245	428
26.	RAIPUR	175	85	4	6	1	79	90	175
27.	RAISEN	105	0	0	0	25	80	105	105
28.	RAJGARH	156	0	0	0	41	115	156	156
29.	RAJNANDGAON	67	42	1	0	11	13	25	67
30.	RATLAM	1718	905	7	0	599	207	813	1718
31.	REWA	515	71	21	20	101	302	444	515
32.	SAGAR	192	0	0	0	31	161	192	192
33.	SATNA	1732	71	12	7	9	1633	1661	1732
34.	SEHORE	5	0	0	0	1	4	5	5
35.	SEONI	1051	722	0	0	42	287	329	1051

36.	SHAHDOL	185	1	0	0	4	180	184	185
37.	SHAJAPUR	582	315	0	0	2	265	267	582
38.	SHIVPURI	243	0	0	0	94	149	243	243
39.	SIDHI	24	3	1	1	1	18	21	24
40.	SURGUJA	1635	672	0	0	18	945	963	1635
41.	TIKAMGARH	807	39	0	0	164	604	768	807
42.	UJJAIN	2079	1157	10	24	186	702	922	2079
43.	VIDISHA	160	0	1	0	0	159	160	160
* State Total :		23014	9585	286	73	2490	10580	13429	23014

* Data in respect of the remaining 2 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : MEGHALAYA

(in Nos.)

		Construction of Deep Tubewells over the years								
Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	EAST GARO HILLS	0	0	0	0	0	0	0	1	1
2.	WEST GARO HILLS	3	0	0	0	0	0	0	3	6
* State Total :		3	0	0	0	0	0	0	4	7

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : MEGHALAYA

(in Nos.)

		Tubewells Owned by						
Sl. No.	Name of District	Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	EAST GARO HILLS	1	0	0	0	0	0	1
2.	WEST GARO HILLS	6	0	0	0	0	0	6
* State Total :		7	0	0	0	0	0	7

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : MEGHALAYA		(in Nos.)				
		According to Farmers' Holding size				
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	EAST GARO HILLS	0	0	0	0	0
2.	WEST GARO HILLS	0	0	0	0	0
* State Total :		0	0	0	0	0

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : MEGHALAYA		(in Nos.)					
		According to Social Status of farmers				Owned by	Grand
Sl. No.	Name of District	Schedule Caste	Schedule Tribe	Others	Total (3+4+5)	other than ind./group of farmers	Total (6 + 7)
1	2	3	4	5	6	7	8
1.	EAST GARO HILLS	0	0	0	0	1	1
2.	WEST GARO HILLS	0	0	0	0	6	6
* State Total :		0	0	0	0	7	7

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : MEGHALAYA		(in Nos.)						
		T'wells In Use	----- Temporary	Tubewells Not in Use		----- Others	Total	Grand Total
Sl. No.	Name of District			Dried up	Destroyed		(4 to 7)	(3 + 8)
1	2	3	4	5	6	7	8	9
1.	EAST GARO HILLS	0	0	0	0	1	1	1
2.	WEST GARO HILLS	6	0	0	0	0	0	6

* State Total :	6	0	0	0	1	1	7
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* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : MEGHALAYA

(in Nos.)

		Source of Finance for constructing Tubewells					
Sl. No.	Name of District	Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	EAST GARO HILLS	0	0	0	0	0	0
2.	WEST GARO HILLS	0	0	0	0	0	0
* State Total :		0	0	0	0	0	0

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : MEGHALAYA

(in Nos.)

		According to Water Distribution System					
Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	EAST GARO HILLS	0	0	1	0	0	1
2.	WEST GARO HILLS	0	0	6	0	0	6
* State Total :		0	0	7	0	0	7

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : MEGHALAYA

(in Nos.)

According to Water Lifting Devices

Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	EAST GARO HILLS	1	0	0	1
2.	WEST GARO HILLS	2	1	3	6
* State Total :		3	1	3	7

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : MEGHALAYA		(in Nos.)				
		According to horse power of lifting devices				
Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
1.	EAST GARO HILLS	0	1	0	0	1
2.	WEST GARO HILLS	0	3	3	0	6
* State Total :		0	4	3	0	7

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : MEGHALAYA		(in Nos.)			
		Location of Tubewells			
Sl. No.	Name of District	On the Command	Outside Command	Augmen- tation	Total (3 to 5)
1	2	3	4	5	6
1.	EAST GARO HILLS	0	1	0	1
2.	WEST GARO HILLS	3	3	0	6
* State Total :		3	4	0	7

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

(in Nos.)

		According to Average Pumping Hours during peak season						
Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	EAST GARO HILLS	0	1	0	0	0	0	1
2.	WEST GARO HILLS	1	4	1	0	0	0	6
* State Total :		1	5	1	0	0	0	7

* Data in respect of the remaining 5 Districts are NIL.

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.12 Average length of Water Conveyance Channel

(in Mts.)

Sl. No.	Name of District	Total Number of Schemes	Average length of channels		
			Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	EAST GARO HILLS	1	0	320	0
2.	WEST GARO HILLS	6	437	15	8
* State Average:		7	437	167	8

* Data in respect of the remaining 5 Districts are NIL.

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.13 Culturable Command Area and Potential Created

(in Ha.)

Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				
			Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7	8
1.	EAST GARO HILLS	20	10	0	10	2	22
2.	WEST GARO HILLS	198	194	141	1	23	359
* State Total :		218	204	141	11	25	381

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : MEGHALAYA		(in Ha.)				
		Actual Area Irrigated during 1993-94				
Sl. No.	Name of District	Khariif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	EAST GARO HILLS	0	0	0	0	0
2.	WEST GARO HILLS	143	95	1	8	247
* State Total :		143	95	1	8	247

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplimentary sources

State : MEGHALAYA		(in Ha.)				
		Supplementary Irrigation in 1993-94				
Sl. No.	Name of District	Khariif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	EAST GARO HILLS	0	0	0	0	0
2.	WEST GARO HILLS	3	0	1	0	4
* State Total :		3	0	1	0	4

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : MEGHALAYA		(in Nos.)							
		Total No. of T'wells in use	No. of T'wells with no cons'nts	Constraints in utilisation of Irri. Pot. Created					Grand Total
Sl. No.	Name of District			Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason	Total (5 to 8)	(4 + 9)
1	2	3	4	5	6	7	8	9	10

1.	EAST GARO HILLS	0	0	0	0	0	0	0	0
2.	WEST GARO HILLS	6	0	0	0	2	4	6	6
* State Total :		6	0	0	0	2	4	6	6

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : NAGALAND

(in Nos.)

		Construction of Deep Tubewells over the years								
Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	KOHIMA	0	0	2	0	0	0	1	0	3
* State Total :		0	0	2	0	0	0	1	0	3

* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : NAGALAND

(in Nos.)

		Tubewells Owned by						
Sl. No.	Name of District	Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	KOHIMA	0	0	0	0	0	3	3
* State Total :		0	0	0	0	0	3	3

* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : NAGALAND

(in Nos.)

		According to Farmers' Holding size				
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	KOHIMA	0	0	0	0	0
* State Total :		0	0	0	0	0

* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : NAGALAND		(in Nos.)					
Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	KOHIMA	0	0	0	0	3	3
* State Total :		0	0	0	0	3	3

* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : NAGALAND		(in Nos.)					
		T'wells In Use	----- Temporary	Tubewells Not in Use		----- Others	Grand Total
Sl. No.	Name of District			Dried up	Destroyed	Total (4 to 7)	(3 + 8)
1	2	3	4	5	6	7	8
1.	KOHIMA	2	1	0	0	0	3
* State Total :		2	1	0	0	0	3

* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : NAGALAND

(in Nos.)

		Source of Finance for constructing Tubewells					
Sl. No.	Name of District	Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	KOHIMA	2	0	0	0	1	3
* State Total :		2	0	0	0	1	3

* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : NAGALAND

(in Nos.)

		According to Water Distribution System					
Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	KOHIMA	0	0	0	0	3	3
* State Total :		0	0	0	0	3	3

* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : NAGALAND

(in Nos.)

		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	KOHIMA	2	0	1	3
* State Total :		2	0	1	3

* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : NAGALAND		(in Nos.)				
		According to horse power of lifting devices				
Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
	1. KOHIMA	3	0	0	0	3
	* State Total :	3	0	0	0	3
* Data in respect of the remaining 6 Districts are NIL.						

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : NAGALAND		(in Nos.)			
		Location of Tubewells			
Sl. No.	Name of District	On the Command	Outside Command	Augmen- tation	Total (3 to 5)
1	2	3	4	5	6
	1. KOHIMA	0	3	0	3
	* State Total :	0	3	0	3
* Data in respect of the remaining 6 Districts are NIL.					

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : NAGALAND		(in Nos.)						
		According to Average Pumping Hours during peak season						
Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)
1	2	3	4	5	6	7	8	9
	1. KOHIMA	1	2	0	0	0	0	3

* State Total :	1	2	0	0	0	0	3
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* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.12 Average length of Water Conveyance Channel

State : NAGALAND		(in Mts.)			
Sl. No.	Name of District	Total Number of Schemes	Average length of channels		
			Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	KOHIMA	3	0	0	0
* State Average:		3	0	0	0

* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.13 Culturable Command Area and Potential Created

State : NAGALAND		(in Ha.)					
Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				
			Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7	8
1.	KOHIMA	14	7	7	0	0	14
* State Total :		14	7	7	0	0	14

* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : NAGALAND		(in Ha.)				
Sl. No.	Name of District	Actual Area Irrigated during 1993-94				
		Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7

* Data in respect of the remaining 6 Districts are NIL.

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

* Data in respect of the remaining 6 Districts are NIL.

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

* Data in respect of the remaining 6 Districts are NIL.

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : ORISSA	(in Nos.)

Construction of Deep Tubewells over the years	

Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	BALASORE	1251	94	19	22	23	25	19	20	1473
2.	BARAGARH	2	0	0	4	1	1	5	3	16
3.	BHADRAK	395	12	14	7	21	11	11	7	478
4.	BOLANGIR	0	0	1	0	0	0	0	1	2
5.	BOUDH	1	0	0	0	0	0	0	0	1
6.	CUTTACK	79	24	17	13	8	11	6	2	160
7.	DHENKANAL	0	0	0	0	0	0	1	0	1
8.	GAJAPATI	2	0	0	0	0	0	0	0	2
9.	GANJAM	5	0	0	1	1	0	0	0	7
10.	JAGATSINGHPUR	63	2	3	3	4	1	1	7	84
11.	JAJPUR	312	10	10	9	4	4	4	0	353
12.	JHARSUGUDA	2	0	1	0	2	1	2	3	11
13.	KALAHANDI	0	0	0	1	1	0	1	0	3
14.	KENDRAPARA	24	3	3	0	5	2	1	2	40
15.	KEONJHAR	4	1	0	0	0	0	0	0	5
16.	KHURDA	2	1	0	0	3	1	2	4	13
17.	MAYURBHANJ	188	7	2	9	12	7	3	2	230
18.	NAYAGARH	0	0	0	2	0	0	0	0	2
19.	NUAPADA	1	0	0	0	0	0	0	0	1
20.	PURI	12	1	3	0	4	2	1	5	28
21.	RAYAGADA	1	0	0	0	0	0	0	0	1
* State Total :		2344	155	73	71	89	66	57	56	2911

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : ORISSA

(in Nos.)

Sl. No.	Name of District	Tubewells Owned by						Total (3 to 8)
		Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	
1	2	3	4	5	6	7	8	9
1.	BALASORE	1465	2	0	1	0	5	1473
2.	BARAGARH	2	0	0	0	0	14	16
3.	BHADRAK	478	0	0	0	0	0	478
4.	BOLANGIR	0	0	0	1	0	1	2
5.	BOUDH	0	0	0	1	0	0	1
6.	CUTTACK	134	0	0	1	0	25	160
7.	DHENKANAL	0	0	0	0	0	1	1
8.	GAJAPATI	0	0	0	1	0	1	2
9.	GANJAM	5	0	0	0	0	2	7
10.	JAGATSINGHPUR	84	0	0	0	0	0	84
11.	JAJPUR	350	0	0	2	0	1	353
12.	JHARSUGUDA	0	0	0	0	0	11	11

13.	KALAHANDI	0	1	0	0	0	2	3
14.	KENDRAPARA	31	0	0	0	0	9	40
15.	KEONJHAR	5	0	0	0	0	0	5
16.	KHURDA	8	0	0	1	0	4	13
17.	MAYURBHANJ	228	0	0	1	0	1	230
18.	NAYAGARH	2	0	0	0	0	0	2
19.	NUAPADA	1	0	0	0	0	0	1
20.	PURI	10	0	0	3	0	15	28
21.	RAYAGADA	0	0	0	0	0	1	1
* State Total :		2803	3	0	12	0	93	2911

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : ORISSA		(in Nos.)				
		According to Farmers' Holding size				
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6 ha)
1	2	3	4	5	6	7
1.	BALASORE	0	1	0	0	1
2.	BARAGARH	0	0	0	0	0
3.	BHADRAK	0	0	0	0	0
4.	BOLANGIR	0	0	0	1	1
5.	BOUDH	0	0	0	1	1
6.	CUTTACK	0	0	0	1	1
7.	DHENKANAL	0	0	0	0	0
8.	GAJAPATI	0	0	1	0	1
9.	GANJAM	0	0	0	0	0
10.	JAGATSINGHPUR	0	0	0	0	0
11.	JAJPUR	0	0	0	2	2
12.	JHARSUGUDA	0	0	0	0	0
13.	KALAHANDI	0	0	0	0	0
14.	KENDRAPARA	0	0	0	0	0
15.	KEONJHAR	0	0	0	0	0
16.	KHURDA	0	0	0	1	1
17.	MAYURBHANJ	0	0	0	1	1
18.	NAYAGARH	0	0	0	0	0
19.	NUAPADA	0	0	0	0	0
20.	PURI	0	3	0	0	3
21.	RAYAGADA	0	0	0	0	0
* State Total :		0	4	1	7	12

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : ORISSA

(in Nos.)

Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	BALASORE	0	0	1	1	1472	1473
2.	BARAGARH	0	0	0	0	16	16
3.	BHADRAK	0	0	0	0	478	478
4.	BOLANGIR	0	0	1	1	1	2
5.	BOUDH	0	0	1	1	0	1
6.	CUTTACK	0	0	1	1	159	160
7.	DHENKANAL	0	0	0	0	1	1
8.	GAJAPATI	0	0	1	1	1	2
9.	GANJAM	0	0	0	0	7	7
10.	JAGATSINGHPUR	0	0	0	0	84	84
11.	JAJPUR	0	0	2	2	351	353
12.	JHARSUGUDA	0	0	0	0	11	11
13.	KALAHANDI	0	0	0	0	3	3
14.	KENDRAPARA	0	0	0	0	40	40
15.	KEONJHAR	0	0	0	0	5	5
16.	KHURDA	0	0	1	1	12	13
17.	MAYURBHANJ	0	0	1	1	229	230
18.	NAYAGARH	0	0	0	0	2	2
19.	NUAPADA	0	0	0	0	1	1
20.	PURI	0	0	3	3	25	28
21.	RAYAGADA	0	0	0	0	1	1
* State Total :		0	0	12	12	2899	2911

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS (1993-94)**DEEP TUBEWELL (COMPLETED) SCHEDULE A-3****Table 3.5 Distribution of Tubewells by its status**

State : ORISSA

(in Nos.)

Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Not in Use		----- Others	Total (4 to 7)	Grand Total (3 + 8)
		3	4	Dried up	Destroyed	6	7	8
1	2	3	4	5	6	7	8	9
1.	BALASORE	990	243	65	111	64	483	1473
2.	BARAGARH	14	2	0	0	0	2	16
3.	BHADRAK	251	151	14	43	19	227	478
4.	BOLANGIR	1	0	0	0	1	1	2
5.	BOUDH	1	0	0	0	0	0	1
6.	CUTTACK	133	23	4	0	0	27	160
7.	DHENKANAL	1	0	0	0	0	0	1
8.	GAJAPATI	0	2	0	0	0	2	2

9. GANJAM	5	2	0	0	0	2	7
10. JAGATSINGHPUR	65	13	2	3	1	19	84
11. JAJPUR	189	115	17	17	15	164	353
12. JHARSUGUDA	11	0	0	0	0	0	11
13. KALAHANDI	2	1	0	0	0	1	3
14. KENDRAPARA	20	6	9	4	1	20	40
15. KEONJHAR	4	1	0	0	0	1	5
16. KHURDA	8	5	0	0	0	5	13
17. MAYURBHANJ	148	45	6	19	12	82	230
18. NAYAGARH	2	0	0	0	0	0	2
19. NUAPADA	0	1	0	0	0	1	1
20. PURI	20	8	0	0	0	8	28
21. RAYAGADA	1	0	0	0	0	0	1

* State Total :	1866	618	117	197	113	1045	2911

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : ORISSA

(in Nos.)

		Source of Finance for constructing Tubewells					Total (3 to 7)
Sl. No.	Name of District	Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	
1	2	3	4	5	6	7	8

1.	BALASORE	2	3	0	2	1	8
2.	BARAGARH	1	7	5	0	1	14
3.	BHADRAK	0	0	0	0	0	0
4.	BOLANGIR	1	0	0	1	0	2
5.	BOUDH	0	1	0	0	0	1
6.	CUTTACK	1	1	7	13	4	26
7.	DHENKANAL	0	0	1	0	0	1
8.	GAJAPATI	0	0	1	1	0	2
9.	GANJAM	1	0	1	0	0	2
10.	JAGATSINGHPUR	0	0	0	0	0	0
11.	JAJPUR	1	0	0	1	1	3
12.	JHARSUGUDA	1	4	5	1	0	11
13.	KALAHANDI	2	1	0	0	0	3
14.	KENDRAPARA	9	0	0	0	0	9
15.	KEONJHAR	0	0	0	0	0	0
16.	KHURDA	1	2	1	0	1	5
17.	MAYURBHANJ	0	0	2	0	0	2
18.	NAYAGARH	0	0	0	0	0	0
19.	NUAPADA	0	0	0	0	0	0
20.	PURI	3	8	1	6	0	18
21.	RAYAGADA	0	0	1	0	0	1

* State Total :		23	27	25	25	8	108

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : ORISSA

(in Nos.)

According to Water Distribution System							
Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	BALASORE	12	1	1119	237	104	1473
2.	BARAGARH	0	0	16	0	0	16
3.	BHADRAK	5	0	392	79	2	478
4.	BOLANGIR	0	0	1	0	1	2
5.	BOUDH	0	0	1	0	0	1
6.	CUTTACK	2	0	128	30	0	160
7.	DHENKANAL	0	0	1	0	0	1
8.	GAJAPATI	0	0	2	0	0	2
9.	GANJAM	2	0	5	0	0	7
10.	JAGATSINGHPUR	36	0	40	8	0	84
11.	JAJPUR	1	0	271	79	2	353
12.	JHARSUGUDA	0	0	11	0	0	11
13.	KALAHANDI	0	0	3	0	0	3
14.	KENDRAPARA	2	0	33	3	2	40
15.	KEONJHAR	3	0	1	0	1	5
16.	KHURDA	1	0	6	4	2	13
17.	MAYURBHANJ	2	0	188	25	15	230
18.	NAYAGARH	0	0	2	0	0	2
19.	NUAPADA	0	0	1	0	0	1
20.	PURI	0	0	25	3	0	28
21.	RAYAGADA	0	0	1	0	0	1
* State Total :		66	1	2247	468	129	2911

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : ORISSA

(in Nos.)

According to Water Lifting Devices					
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	BALASORE	1418	4	51	1473
2.	BARAGARH	12	0	4	16
3.	BHADRAK	426	27	25	478

4. BOLANGIR	2	0	0	2
5. BOUDH	0	1	0	1
6. CUTTACK	147	13	0	160
7. DHENKANAL	1	0	0	1
8. GAJAPATI	1	1	0	2
9. GANJAM	6	0	1	7
10. JAGATSINGHPUR	82	2	0	84
11. JAJPUR	335	0	18	353
12. JHARSUGUDA	10	0	1	11
13. KALAHANDI	3	0	0	3
14. KENDRAPARA	30	10	0	40
15. KEONJHAR	4	0	1	5
16. KHURDA	5	3	5	13
17. MAYURBHANJ	218	6	6	230
18. NAYAGARH	2	0	0	2
19. NUAPADA	1	0	0	1
20. PURI	7	6	15	28
21. RAYAGADA	1	0	0	1

 * State Total : 2711 73 127 2911

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : ORISSA

(in Nos.)

		According to horse power of lifting devices				
Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
1. BALASORE		174	1188	111	0	1473
2. BARAGARH		13	3	0	0	16
3. BHADRAK		30	394	54	0	478
4. BOLANGIR		2	0	0	0	2
5. BOUDH		1	0	0	0	1
6. CUTTACK		5	127	27	1	160
7. DHENKANAL		1	0	0	0	1
8. GAJAPATI		2	0	0	0	2
9. GANJAM		4	3	0	0	7
10. JAGATSINGHPUR		32	48	2	2	84
11. JAJPUR		39	266	48	0	353
12. JHARSUGUDA		9	2	0	0	11
13. KALAHANDI		3	0	0	0	3
14. KENDRAPARA		11	20	9	0	40
15. KEONJHAR		0	5	0	0	5
16. KHURDA		8	4	0	1	13
17. MAYURBHANJ		171	56	2	1	230
18. NAYAGARH		0	2	0	0	2
19. NUAPADA		1	0	0	0	1
20. PURI		22	4	1	1	28
21. RAYAGADA		0	1	0	0	1

* State Total :	528	2123	254	6	2911
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* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : ORISSA

(in Nos.)

Sl. No.	Name of District	Location of Tubewells			
		On the Command	Outside Command	Augmen- tation	Total (3 to 5)
1	2	3	4	5	6
1.	BALASORE	2	1471	0	1473
2.	BARAGARH	2	14	0	16
3.	BHADRAK	119	359	0	478
4.	BOLANGIR	0	2	0	2
5.	BOUDH	0	1	0	1
6.	CUTTACK	16	144	0	160
7.	DHENKANAL	0	1	0	1
8.	GAJAPATI	0	2	0	2
9.	GANJAM	2	5	0	7
10.	JAGATSINGHPUR	9	75	0	84
11.	JAJPUR	9	344	0	353
12.	JHARSUGUDA	0	11	0	11
13.	KALAHANDI	0	3	0	3
14.	KENDRAPARA	4	36	0	40
15.	KEONJHAR	0	5	0	5
16.	KHURDA	1	12	0	13
17.	MAYURBHANJ	6	224	0	230
18.	NAYAGARH	0	2	0	2
19.	NUAPADA	0	1	0	1
20.	PURI	2	23	3	28
21.	RAYAGADA	0	1	0	1
* State Total :		172	2736	3	2911

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : ORISSA

(in Nos.)

		According to Average Pumping Hours during peak season						
Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)

1	2	3	4	5	6	7	8	9
1.	BALASORE	288	375	503	200	105	2	1473
2.	BARAGARH	7	4	5	0	0	0	16
3.	BHADRAK	54	271	142	8	3	0	478
4.	BOLANGIR	1	1	0	0	0	0	2
5.	BOUDH	0	0	1	0	0	0	1
6.	CUTTACK	9	137	10	2	2	0	160
7.	DHENKANAL	0	0	0	0	1	0	1
8.	GAJAPATI	1	1	0	0	0	0	2
9.	GANJAM	3	2	1	0	0	1	7
10.	JAGATSINGHPUR	36	45	3	0	0	0	84
11.	JAJPUR	35	293	24	1	0	0	353
12.	JHARSUGUDA	0	8	3	0	0	0	11
13.	KALAHANDI	2	1	0	0	0	0	3
14.	KENDRAPARA	13	16	11	0	0	0	40
15.	KEONJHAR	1	1	3	0	0	0	5
16.	KHURDA	5	6	2	0	0	0	13
17.	MAYURBHANJ	27	107	65	14	15	2	230
18.	NAYAGARH	0	2	0	0	0	0	2
19.	NUAPADA	1	0	0	0	0	0	1
20.	PURI	9	14	5	0	0	0	28
21.	RAYAGADA	0	1	0	0	0	0	1
* State Total :		492	1285	778	225	126	5	2911

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.12 Average length of Water Conveyance Channel

State : ORISSA

(in Mts.)

Sl. No.	Name of District	Total Number of Schemes	Average length of channels		
			Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	BALASORE	1473	96	144	52
2.	BARAGARH	16	1	93	76
3.	BHADRAK	478	64	110	33
4.	BOLANGIR	2	0	0	0
5.	BOUDH	1	0	0	0
6.	CUTTACK	160	71	115	41
7.	DHENKANAL	1	0	600	0
8.	GAJAPATI	2	0	20	0
9.	GANJAM	7	167	62	0
10.	JAGATSINGHPUR	84	30	147	17
11.	JAJPUR	353	84	62	107
12.	JHARSUGUDA	11	0	373	0
13.	KALAHANDI	3	12	110	0
14.	KENDRAPARA	40	57	139	65
15.	KEONJHAR	5	86	0	15
16.	KHURDA	13	200	72	156

17.	MAYURBHANJ	230	156	116	81
18.	NAYAGARH	2	0	20	0
19.	NUAPADA	1	0	0	0
20.	PURI	28	59	77	31
21.	RAYAGADA	1	0	300	0

* State Average:		2911	83	150	61

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.13 Culturable Command Area and Potential Created

State : ORISSA

(in Ha.)

Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				Total
			Kharrif	Rabi	Perennial	Others	
1	2	3	4	5	6	7	8
1.	BALASORE	28451	23957	18836	161	4319	47273
2.	BARAGARH	101	76	27	22	3	128
3.	BHADRAK	10289	6598	7279	45	104	14026
4.	BOLANGIR	5	3	1	0	1	5
5.	BOUDH	10	10	0	0	0	10
6.	CUTTACK	2663	2630	2229	37	0	4896
7.	DHENKANAL	2	2	2	0	0	4
8.	GAJAPATI	4	0	4	0	0	4
9.	GANJAM	78	27	38	22	0	87
10.	JAGATSINGHPUR	906	774	777	0	15	1566
11.	JAJPUR	5746	3461	5043	8	14	8526
12.	JHARSUGUDA	61	53	49	5	0	107
13.	KALAHANDI	7	7	7	0	0	14
14.	KENDRAPARA	503	262	571	20	6	859
15.	KEONJHAR	68	37	51	0	0	88
16.	KHURDA	115	50	62	13	1	126
17.	MAYURBHANJ	2486	2263	1927	19	2	4211
18.	NAYAGARH	14	8	0	6	0	14
19.	NUAPADA	6	6	0	0	0	6
20.	PURI	100	49	107	0	3	159
21.	RAYAGADA	11	11	11	0	0	22

* State Total :		51626	40284	37021	358	4468	82131

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : ORISSA

(in Ha.)

Actual Area Irrigated during 1993-94

Sl. No.	Name of District	Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	BALASORE	531	6643	12	8	7194
2.	BARAGARH	50	18	12	1	81
3.	BHADRAK	314	1888	11	0	2213
4.	BOLANGIR	2	2	0	0	4
5.	BOUDH	9	0	0	0	9
6.	CUTTACK	149	787	26	0	962
7.	DHENKANAL	1	1	1	0	3
8.	GAJAPATI	0	0	0	0	0
9.	GANJAM	7	28	16	0	51
10.	JAGATSINGHPUR	118	310	10	6	444
11.	JAJPUR	169	1295	0	0	1464
12.	JHARSUGUDA	47	39	6	0	92
13.	KALAHANDI	3	3	0	0	6
14.	KENDRAPARA	13	159	0	2	174
15.	KEONJHAR	14	42	0	0	56
16.	KHURDA	26	25	13	0	64
17.	MAYURBHANJ	481	704	4	0	1189
18.	NAYAGARH	5	0	6	0	11
19.	NUAPADA	0	0	0	0	0
20.	PURI	29	62	0	0	91
21.	RAYAGADA	11	11	0	0	22
* State Total :		1979	12017	117	17	14130

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

State : ORISSA

(in Ha.)

		Supplementary Irrigation in 1993-94				
Sl. No.	Name of District	Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	BALASORE	0	0	0	0	0
2.	BARAGARH	0	0	0	0	0
3.	BHADRAK	207	12	0	0	219
4.	BOLANGIR	0	0	0	0	0
5.	BOUDH	0	0	0	0	0
6.	CUTTACK	16	4	0	0	20
7.	DHENKANAL	0	0	0	0	0
8.	GAJAPATI	0	0	0	0	0
9.	GANJAM	4	0	0	0	4
10.	JAGATSINGHPUR	39	0	0	0	39
11.	JAJPUR	66	0	0	0	66
12.	JHARSUGUDA	0	0	0	0	0
13.	KALAHANDI	0	0	0	0	0
14.	KENDRAPARA	0	26	0	2	28

15.	KEONJHAR	0	0	0	0	0
16.	KHURDA	0	0	1	0	1
17.	MAYURBHANJ	5	0	0	0	5
18.	NAYAGARH	0	0	6	0	6
19.	NUAPADA	0	0	0	0	0
20.	PURI	8	0	0	0	8
21.	RAYAGADA	0	0	0	0	0
* State Total :		345	42	7	2	396

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : ORISSA

(in Nos.)

Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'nts	Constraints in utilisation of Irri. Pot. Created					Grand Total
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason	Total (5 to 8)	
1	2	3	4	5	6	7	8	9	10
1.	BALASORE	990	0	318	120	174	378	990	990
2.	BARAGARH	14	0	2	0	3	9	14	14
3.	BHADRAK	251	0	107	16	20	108	251	251
4.	BOLANGIR	1	0	0	0	0	1	1	1
5.	BOUDH	1	0	0	0	0	1	1	1
6.	CUTTACK	133	0	85	7	3	38	133	133
7.	DHENKANAL	1	0	0	0	1	0	1	1
8.	GAJAPATI	0	0	0	0	0	0	0	0
9.	GANJAM	5	0	0	0	0	5	5	5
10.	JAGATSINGHPUR	65	0	25	0	1	39	65	65
11.	JAJPUR	189	0	22	7	34	126	189	189
12.	JHARSUGUDA	11	0	0	0	1	10	11	11
13.	KALAHANDI	2	1	1	0	0	0	1	2
14.	KENDRAPARA	20	0	0	2	2	16	20	20
15.	KEONJHAR	4	2	0	0	0	2	2	4
16.	KHURDA	8	4	0	0	1	3	4	8
17.	MAYURBHANJ	148	0	20	4	1	123	148	148
18.	NAYAGARH	2	0	0	0	0	2	2	2
19.	NUAPADA	0	0	0	0	0	0	0	0
20.	PURI	20	6	8	1	0	5	14	20
21.	RAYAGADA	1	0	1	0	0	0	1	1
* State Total :		1866	13	589	157	241	866	1853	1866

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : PONDICHERRY

(in Nos.)

Construction of Deep Tubewells over the years

Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	PONDICHERRY	170	16	29	47	49	39	31	37	418
* State Total :		170	16	29	47	49	39	31	37	418

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : PONDICHERRY

(in Nos.)

Tubewells Owned by

Sl. No.	Name of District	Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	PONDICHERRY	1	0	0	3	0	414	418
* State Total :		1	0	0	3	0	414	418

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : PONDICHERRY

(in Nos.)

According to Farmers' Holding size

Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	PONDICHERRY	0	0	3	0	3
* State Total :		0	0	3	0	3

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : PONDICHERRY		(in Nos.)					
Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	PONDICHERRY	0	0	3	3	415	418
* State Total :		0	0	3	3	415	418

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : PONDICHERRY		(in Nos.)					
Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Not in Use		Total (4 to 7)	Grand Total (3 + 8)
				Dried up	Destroyed Others		
1	2	3	4	5	6	7	8
1.	PONDICHERRY	412	4	1	1	0	418
* State Total :		412	4	1	1	0	418

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : PONDICHERRY		(in Nos.)				
Sl. No.	Name of District	Source of Finance for constructing Tubewells				
		Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others Total (3 to 7)
1	2	3	4	5	6	7
1.	PONDICHERRY	0	238	84	11	84
* State Total :		0	238	84	11	84

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : PONDICHERRY		(in Nos.)					
		According to Water Distribution System					
Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	PONDICHERRY	0	0	355	46	17	418
* State Total :		0	0	355	46	17	418

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : PONDICHERRY		(in Nos.)			
		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	PONDICHERRY	415	0	3	418
* State Total :		415	0	3	418

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : PONDICHERRY		(in Nos.)				
		According to horse power of lifting devices				
Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7

1. PONDICHERRY	1	104	251	62	418
* State Total :	1	104	251	62	418

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : PONDICHERRY		(in Nos.)			
		Location of Tubewells			
Sl. No.	Name of District	On the Command	Outside Command	Augmen- tation	Total (3 to 5)
1	2	3	4	5	6
1.	PONDICHERRY	0	418	0	418
* State Total :		0	418	0	418

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : PONDICHERRY		(in Nos.)						
		According to Average Pumping Hours during peak season						
Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	PONDICHERRY	16	89	131	10	60	112	418
* State Total :		16	89	131	10	60	112	418

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.12 Average length of Water Conveyance Channel

State : PONDICHERRY		(in Mts.)

Total	Average length of channels	
Number	-----	

Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	PONDICHERRY	0	0	0	0	0
* State Total :		0	0	0	0	0

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : PONDICHERRY			(in Nos.)						
Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'tnts	Constraints in utilisation of Irri. Pot. Created				Grand Total	
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason		Total (5 to 8)
1	2	3	4	5	6	7	8	9	10
1.	PONDICHERRY	412	412	0	0	0	0	0	412
* State Total :		412	412	0	0	0	0	0	412

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : PUNJAB		(in Nos.)								
Sl. No.	Name of District	Construction of Deep Tubewells over the years								
		Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	AMRITSAR	1	0	0	0	0	0	0	0	1
2.	BATHINDA	0	0	3	0	2	3	0	1	9
3.	FATEHGARH SAHIB	23	4	1	1	0	0	0	0	29
4.	GURDASPUR	16	1	1	1	0	2	2	8	31
5.	HOSHIARPUR	281	53	36	98	41	6	23	36	574
6.	KAPURTHALA	5	0	1	6	3	0	0	0	15
7.	LUDHIANA	1	1	0	0	0	0	0	0	2
8.	MANSA	12	1	0	0	0	0	2	0	15
9.	PATIALA	84	14	28	74	89	36	40	45	410
10.	ROPAR	64	15	12	21	11	7	14	18	162

11.	SANGRUR	233	109	172	167	141	80	72	55	1029
* State Total :		720	198	254	368	287	134	153	163	2277

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : PUNJAB

(in Nos.)

Sl. No.	Name of District	Tubewells Owned by						Total (3 to 8)
		Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	
1	2	3	4	5	6	7	8	9
1.	AMRITSAR	0	0	0	0	0	1	1
2.	BATHINDA	0	0	0	9	0	0	9
3.	FATEHGARH SAHIB	0	0	0	28	0	1	29
4.	GURDASPUR	12	0	0	19	0	0	31
5.	HOSHIARPUR	104	10	2	125	0	333	574
6.	KAPURTHALA	1	0	0	0	0	14	15
7.	LUDHIANA	0	0	0	2	0	0	2
8.	MANSA	0	0	0	15	0	0	15
9.	PATIALA	7	0	0	401	0	2	410
10.	ROPAR	19	8	0	10	0	125	162
11.	SANGRUR	3	0	0	636	0	390	1029
* State Total :		146	18	2	1245	0	866	2277

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : PUNJAB

(in Nos.)

Sl. No.	Name of District	According to Farmers' Holding size				Total (3 to 6)
		Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	
1	2	3	4	5	6	7
1.	AMRITSAR	0	0	0	0	0
2.	BATHINDA	1	0	2	6	9
3.	FATEHGARH SAHIB	1	3	23	1	28
4.	GURDASPUR	2	1	11	5	19
5.	HOSHIARPUR	12	33	47	33	125
6.	KAPURTHALA	0	0	0	0	0

7.	LUDHIANA	2	0	0	0	2
8.	MANSA	1	0	9	5	15
9.	PATIALA	2	14	273	112	401
10.	ROPAR	0	0	9	1	10
11.	SANGRUR	10	144	356	126	636
* State Total :		31	195	730	289	1245

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : PUNJAB

(in Nos.)

Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	AMRITSAR	0	0	0	0	1	1
2.	BATHINDA	0	0	9	9	0	9
3.	FATEHGARH SAHIB	0	0	28	28	1	29
4.	GURDASPUR	1	0	18	19	12	31
5.	HOSHIARPUR	18	1	106	125	449	574
6.	KAPURTHALA	0	0	0	0	15	15
7.	LUDHIANA	1	1	0	2	0	2
8.	MANSA	1	0	14	15	0	15
9.	PATIALA	0	0	401	401	9	410
10.	ROPAR	0	0	10	10	152	162
11.	SANGRUR	4	1	631	636	393	1029
* State Total :		25	3	1217	1245	1032	2277

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : PUNJAB

(in Nos.)

Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Not in Use		Others	Total (4 to 7)	Grand Total (3 + 8)
				Dried up	Destroyed			
1	2	3	4	5	6	7	8	9
1.	AMRITSAR	1	0	0	0	0	0	1
2.	BATHINDA	9	0	0	0	0	0	9
3.	FATEHGARH SAHIB	27	0	2	0	0	2	29

1.	AMRITSAR	0	0	1	0	0	1
2.	BATHINDA	0	0	9	0	0	9
3.	FATEHGARH SAHIB	0	0	29	0	0	29
4.	GURDASPUR	0	1	11	19	0	31
5.	HOSHIARPUR	37	5	255	277	0	574
6.	KAPURTHALA	1	0	14	0	0	15
7.	LUDHIANA	2	0	0	0	0	2
8.	MANSA	0	0	15	0	0	15
9.	PATIALA	1	0	364	37	8	410
10.	ROPAR	7	3	127	25	0	162
11.	SANGRUR	15	4	1007	0	3	1029
* State Total :		63	13	1832	358	11	2277

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : PUNJAB		(in Nos.)			
		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	AMRITSAR	1	0	0	1
2.	BATHINDA	9	0	0	9
3.	FATEHGARH SAHIB	20	9	0	29
4.	GURDASPUR	20	6	5	31
5.	HOSHIARPUR	439	19	116	574
6.	KAPURTHALA	13	1	1	15
7.	LUDHIANA	2	0	0	2
8.	MANSA	15	0	0	15
9.	PATIALA	388	21	1	410
10.	ROPAR	147	15	0	162
11.	SANGRUR	633	198	198	1029
* State Total :		1687	269	321	2277

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : PUNJAB		(in Nos.)			
		According to horse power of lifting devices			

Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
1.	AMRITSAR	1	0	0	0	1
2.	BATHINDA	8	0	0	1	9
3.	FATEHGARH SAHIB	15	14	0	0	29
4.	GURDASPUR	11	7	0	13	31
5.	HOSHIARPUR	62	61	14	437	574
6.	KAPURTHALA	3	10	2	0	15
7.	LUDHIANA	0	2	0	0	2
8.	MANSA	0	0	1	14	15
9.	PATIALA	2	107	224	77	410
10.	ROPAR	5	73	33	51	162
11.	SANGRUR	775	252	0	2	1029
* State Total :		882	526	274	595	2277

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : PUNJAB		(in Nos.)			
		Location of Tubewells			
Sl. No.	Name of District	On the Command	Outside Command	Augmen-tation	Total (3 to 5)
1	2	3	4	5	6
1.	AMRITSAR	1	0	0	1
2.	BATHINDA	9	0	0	9
3.	FATEHGARH SAHIB	16	13	0	29
4.	GURDASPUR	21	10	0	31
5.	HOSHIARPUR	322	228	24	574
6.	KAPURTHALA	2	13	0	15
7.	LUDHIANA	1	1	0	2
8.	MANSA	15	0	0	15
9.	PATIALA	20	390	0	410
10.	ROPAR	101	60	1	162
11.	SANGRUR	171	788	70	1029
* State Total :		679	1503	95	2277

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : PUNJAB

(in Nos.)

		According to Average Pumping Hours during peak season						
Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	AMRITSAR	0	0	1	0	0	0	1
2.	BATHINDA	0	0	9	0	0	0	9
3.	FATEHGARH SAHIB	0	4	25	0	0	0	29
4.	GURDASPUR	5	8	4	3	8	3	31
5.	HOSHIARPUR	33	278	202	44	15	2	574
6.	KAPURTHALA	0	6	9	0	0	0	15
7.	LUDHIANA	1	0	1	0	0	0	2
8.	MANSA	0	6	9	0	0	0	15
9.	PATIALA	9	50	349	1	1	0	410
10.	ROPAR	7	15	127	2	11	0	162
11.	SANGRUR	39	293	574	122	1	0	1029
* State Total :		94	660	1310	172	36	5	2277

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)**DEEP TUBEWELL (COMPLETED) SCHEDULE A-3****Table 3.12 Average length of Water Conveyance Channel**

State : PUNJAB

(in Mts.)

		Total Number of Schemes	Average length of channels		
Sl. No.	Name of District		Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	AMRITSAR	1	0	560	0
2.	BATHINDA	9	59	420	0
3.	FATEHGARH SAHIB	29	0	320	4
4.	GURDASPUR	31	0	258	199
5.	HOSHIARPUR	574	25	240	176
6.	KAPURTHALA	15	4	246	45
7.	LUDHIANA	2	0	6	256
8.	MANSA	15	0	404	0
9.	PATIALA	410	19	381	41
10.	ROPAR	162	12	254	172
11.	SANGRUR	1029	118	246	26
* State Average:		2277	39	303	114

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.13 Culturable Command Area and Potential Created

State : PUNJAB

(in Ha.)

Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				Total
			Khariif	Rabi	Perenial	Others	
1	2	3	4	5	6	7	8
1.	AMRITSAR	12	12	12	0	0	24
2.	BATHINDA	50	50	50	0	0	100
3.	FATEHGARH SAHIB	130	126	114	6	0	246
4.	GURDASPUR	719	666	677	0	0	1343
5.	HOSHIARPUR	13401	10940	12665	670	183	24459
6.	KAPURTHALA	823	255	773	0	2	1030
7.	LUDHIANA	5	2	7	5	0	14
8.	MANSA	124	117	117	0	0	234
9.	PATIALA	3188	3080	3082	42	276	6480
10.	ROPAR	3311	1769	3016	251	47	5083
11.	SANGRUR	3567	3418	3564	16	12	7010
* State Total :		25330	20436	24077	990	520	46023

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.14 Irrigation Potential Utilised

State : PUNJAB

(in Ha.)

Sl. No.	Name of District	Actual Area Irrigated during 1993-94				Total
		Khariif	Rabi	Perenial	Others	
1	2	3	4	5	6	7
1.	AMRITSAR	10	10	0	0	20
2.	BATHINDA	18	18	0	0	36
3.	FATEHGARH SAHIB	114	102	6	0	222
4.	GURDASPUR	597	548	0	0	1145
5.	HOSHIARPUR	8108	9225	571	79	17983
6.	KAPURTHALA	168	170	0	2	340
7.	LUDHIANA	2	7	5	0	14
8.	MANSA	117	117	0	0	234
9.	PATIALA	3007	2928	40	271	6246
10.	ROPAR	1227	1895	251	29	3402
11.	SANGRUR	3381	3370	4	0	6755
* State Total :		16749	18390	877	381	36397

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

State : PUNJAB		(in Ha.)				
Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perennial	Others	Total
1	2	3	4	5	6	7
1.	AMRITSAR	10	10	0	0	20
2.	BATHINDA	17	17	0	0	34
3.	FATEHGARH SAHIB	0	0	0	0	0
4.	GURDASPUR	0	0	0	0	0
5.	HOSHIARPUR	410	407	7	0	824
6.	KAPURTHALA	0	0	0	0	0
7.	LUDHIANA	0	0	0	0	0
8.	MANSA	69	69	0	0	138
9.	PATIALA	74	67	0	0	141
10.	ROPAR	49	63	0	0	112
11.	SANGRUR	506	505	0	0	1011
* State Total :		1135	1138	7	0	2280

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : PUNJAB		(in Nos.)							
Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'ts	Constraints in utilisation of Irri. Pot. Created				Grand Total (4 + 9)	
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason		Total (5 to 8)
1	2	3	4	5	6	7	8	9	10
1.	AMRITSAR	1	0	1	0	0	0	1	1
2.	BATHINDA	9	0	9	0	0	0	9	9
3.	FATEHGARH SAHIB	27	0	0	0	0	27	27	27
4.	GURDASPUR	30	0	24	0	0	6	30	30
5.	HOSHIARPUR	555	0	299	21	9	226	555	555
6.	KAPURTHALA	15	0	3	0	0	12	15	15
7.	LUDHIANA	2	0	2	0	0	0	2	2
8.	MANSA	15	0	2	0	0	13	15	15
9.	PATIALA	405	0	361	15	0	29	405	405
10.	ROPAR	157	0	126	0	2	29	157	157
11.	SANGRUR	1017	0	577	5	0	435	1017	1017
* State Total :		2233	0	1404	41	11	777	2233	2233

* Data in respect of the remaining 3 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : RAJASTHAN

(in Nos.)

Construction of Deep Tubewells over the years										
Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	AJMER	2	0	0	0	0	0	0	1	3
2.	BARAN	15	12	43	9	28	72	146	173	498
3.	BARMER	0	0	0	0	5	0	0	0	5
4.	BHARATPUR	106	5	49	10	12	37	54	81	354
5.	BHILWARA	0	4	5	8	14	7	9	3	50
6.	BIKANER	0	0	0	0	0	0	1	18	19
7.	BUNDI	6	3	7	0	6	10	21	22	75
8.	CHITTORGARH	273	48	57	34	64	82	161	121	840
9.	CHURU	1	0	0	0	1	1	9	24	36
10.	DAUSA	0	0	0	0	0	0	3	0	3
11.	DUNGARPUR	13	5	0	0	11	3	9	11	52
12.	JAISALMER	0	0	0	0	2	0	0	0	2
13.	JALORE	20	5	13	2	5	5	13	15	78
14.	JHALAWAR	1	4	3	8	6	3	18	30	73
15.	JODHPUR	901	320	544	495	815	922	1032	1068	6097
16.	KOTA	68	15	21	23	44	56	58	44	329
17.	NAGAU	467	174	328	315	513	575	654	667	3693
18.	PALI	36	5	11	12	45	47	88	36	280
19.	RAJSAMAND	0	0	0	6	6	0	1	0	13
20.	SAWAI-MADHOPUR	0	0	3	1	2	2	7	10	25
21.	TONK	6	0	0	0	0	0	0	0	6
22.	UDAIPUR	4	1	10	0	2	0	0	2	19
* State Total :		1919	601	1094	923	1581	1822	2284	2326	12550

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : RAJASTHAN

(in Nos.)

Tubewells Owned by							
Sl. No.	Name of District	Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others Total (3 to 8)

1	2	3	4	5	6	7	8	9
1.	AJMER	0	0	0	2	0	1	3
2.	BARAN	2	0	0	228	1	267	498
3.	BARMER	0	0	0	5	0	0	5
4.	BHARATPUR	1	0	0	241	1	111	354
5.	BHILWARA	0	3	0	26	0	21	50
6.	BIKANER	0	0	0	3	0	16	19
7.	BUNDI	7	0	0	7	1	60	75
8.	CHITTORGARH	55	7	3	532	0	243	840
9.	CHURU	0	0	0	3	0	33	36
10.	DAUSA	0	0	0	3	0	0	3
11.	DUNGARPUR	3	0	0	28	0	21	52
12.	JAISALMER	0	0	0	2	0	0	2
13.	JALORE	3	0	0	43	0	32	78
14.	JHALAWAR	1	0	0	25	0	47	73
15.	JODHPUR	26	4	4	3482	11	2570	6097
16.	KOTA	1	0	0	308	1	19	329
17.	NAGAU	12	4	2	1804	5	1866	3693
18.	PALI	2	0	0	208	1	69	280
19.	RAJSAMAND	0	0	0	2	0	11	13
20.	SAWAI-MADHOPUR	0	0	0	11	0	14	25
21.	TONK	4	0	0	0	0	2	6
22.	UDAIPUR	1	0	0	5	0	13	19
* State Total :		118	18	9	6968	21	5416	12550

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : RAJASTHAN

(in Nos.)

		According to Farmers' Holding size				
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	AJMER	0	1	1	0	2
2.	BARAN	6	21	183	19	229
3.	BARMER	0	0	5	0	5
4.	BHARATPUR	7	8	208	19	242
5.	BHILWARA	1	1	24	0	26
6.	BIKANER	0	0	2	1	3
7.	BUNDI	1	1	4	2	8
8.	CHITTORGARH	39	84	361	48	532
9.	CHURU	1	0	0	2	3
10.	DAUSA	0	0	2	1	3
11.	DUNGARPUR	2	1	16	9	28
12.	JAISALMER	0	0	2	0	2
13.	JALORE	0	0	19	24	43
14.	JHALAWAR	0	0	16	9	25
15.	JODHPUR	84	159	2272	978	3493

16.	KOTA	3	16	207	83	309
17.	NAGAU	47	84	1169	509	1809
18.	PALI	2	6	95	106	209
19.	RAJSAMAND	0	0	2	0	2
20.	SAWAI-MADHOPUR	0	0	8	3	11
21.	TONK	0	0	0	0	0
22.	UDAIPUR	0	1	4	0	5

* State Total :		193	383	4600	1813	6989

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : RAJASTHAN

(in Nos.)

Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	AJMER	0	0	2	2	1	3
2.	BARAN	6	62	161	229	269	498
3.	BARMER	0	0	5	5	0	5
4.	BHARATPUR	6	54	182	242	112	354
5.	BHILWARA	1	0	25	26	24	50
6.	BIKANER	0	0	3	3	16	19
7.	BUNDI	0	2	6	8	67	75
8.	CHITTORGARH	29	7	496	532	308	840
9.	CHURU	1	0	2	3	33	36
10.	DAUSA	0	0	3	3	0	3
11.	DUNGARPUR	1	0	27	28	24	52
12.	JAISALMER	0	0	2	2	0	2
13.	JALORE	3	0	40	43	35	78
14.	JHALAWAR	1	0	24	25	48	73
15.	JODHPUR	296	9	3188	3493	2604	6097
16.	KOTA	36	0	273	309	20	329
17.	NAGAU	143	5	1661	1809	1884	3693
18.	PALI	19	0	190	209	71	280
19.	RAJSAMAND	0	0	2	2	11	13
20.	SAWAI-MADHOPUR	3	0	8	11	14	25
21.	TONK	0	0	0	0	6	6
22.	UDAIPUR	0	0	5	5	14	19

* State Total :		545	139	6305	6989	5561	12550

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : RAJASTHAN		(in Nos.)						
Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Not in Use		----- Others	Total (4 to 7)	Grand Total (3 + 8)
1	2	3	4	5	6	7	8	9
1.	AJMER	3	0	0	0	0	0	3
2.	BARAN	478	18	1	1	0	20	498
3.	BARMER	5	0	0	0	0	0	5
4.	BHARATPUR	271	81	1	1	0	83	354
5.	BHILWARA	49	1	0	0	0	1	50
6.	BIKANER	16	2	1	0	0	3	19
7.	BUNDI	59	16	0	0	0	16	75
8.	CHITTORGARH	788	38	6	2	6	52	840
9.	CHURU	35	1	0	0	0	1	36
10.	DAUSA	3	0	0	0	0	0	3
11.	DUNGARPUR	46	3	0	0	3	6	52
12.	JAISALMER	2	0	0	0	0	0	2
13.	JALORE	70	8	0	0	0	8	78
14.	JHALAWAR	72	0	1	0	0	1	73
15.	JODHPUR	5707	310	47	8	25	390	6097
16.	KOTA	312	14	2	0	1	17	329
17.	NAGAU	3482	172	20	5	14	211	3693
18.	PALI	274	5	0	0	1	6	280
19.	RAJSAMAND	13	0	0	0	0	0	13
20.	SAWAI-MADHOPUR	24	1	0	0	0	1	25
21.	TONK	6	0	0	0	0	0	6
22.	UDAIPUR	11	7	0	1	0	8	19
* State Total :		11726	677	79	18	50	824	12550

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : RAJASTHAN		(in Nos.)					
		Source of Finance for constructing Tubewells					
Sl. No.	Name of District	Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	AJMER	0	3	0	0	0	3
2.	BARAN	9	433	38	0	16	496
3.	BARMER	0	5	0	0	0	5
4.	BHARATPUR	72	239	27	2	13	353
5.	BHILWARA	10	32	8	0	0	50
6.	BIKANER	0	6	11	2	0	19
7.	BUNDI	31	28	9	0	0	68
8.	CHITTORGARH	111	587	65	2	20	785

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : RAJASTHAN

(in Nos.)

Sl. No.	Name of District	According to Water Lifting Devices			
		Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	AJMER	3	0	0	3
2.	BARAN	367	119	12	498
3.	BARMER	5	0	0	5
4.	BHARATPUR	155	198	1	354
5.	BHILWARA	45	0	5	50
6.	BIKANER	17	0	2	19
7.	BUNDI	60	15	0	75
8.	CHITTORGARH	802	28	10	840
9.	CHURU	23	7	6	36
10.	DAUSA	1	2	0	3
11.	DUNGARPUR	49	2	1	52
12.	JAISALMER	2	0	0	2
13.	JALORE	77	1	0	78
14.	JHALAWAR	66	4	3	73
15.	JODHPUR	6032	52	13	6097
16.	KOTA	328	1	0	329
17.	NAGAUR	3653	33	7	3693
18.	PALI	228	25	27	280
19.	RAJSAMAND	13	0	0	13
20.	SAWAI-MADHOPUR	11	2	12	25
21.	TONK	0	6	0	6
22.	UDAIPUR	19	0	0	19
* State Total :		11956	495	99	12550

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : RAJASTHAN

(in Nos.)

Sl. No.	Name of District	According to horse power of lifting devices				
		0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7

1. AJMER	0	3	0	0	3
2. BARAN	362	124	4	8	498
3. BARMER	0	0	0	5	5
4. BHARATPUR	270	41	12	31	354
5. BHILWARA	6	44	0	0	50
6. BIKANER	0	0	0	19	19
7. BUNDI	75	0	0	0	75
8. CHITTORGARH	256	341	54	189	840
9. CHURU	0	4	20	12	36
10. DAUSA	0	3	0	0	3
11. DUNGARPUR	11	4	1	36	52
12. JAISALMER	0	0	0	2	2
13. JALORE	0	15	19	44	78
14. JHALAWAR	16	57	0	0	73
15. JODHPUR	177	724	1392	3804	6097
16. KOTA	4	50	67	208	329
17. NAGAU	122	421	855	2295	3693
18. PALI	9	103	10	158	280
19. RAJSAMAND	2	11	0	0	13
20. SAWAI-MADHOPUR	2	23	0	0	25
21. TONK	4	1	0	1	6
22. UDAIPUR	13	6	0	0	19

* State Total :	1329	1975	2434	6812	12550

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : RAJASTHAN		(in Nos.)			
		Location of Tubewells			
Sl. No.	Name of District	On the Command	Outside Command	Augmen- tation	Total (3 to 5)
1	2	3	4	5	6
1.	AJMER	0	3	0	3
2.	BARAN	113	385	0	498
3.	BARMER	0	5	0	5
4.	BHARATPUR	1	353	0	354
5.	BHILWARA	0	50	0	50
6.	BIKANER	0	19	0	19
7.	BUNDI	17	58	0	75
8.	CHITTORGARH	89	750	1	840
9.	CHURU	0	36	0	36
10.	DAUSA	0	3	0	3
11.	DUNGARPUR	0	52	0	52
12.	JAISALMER	0	2	0	2
13.	JALORE	1	77	0	78
14.	JHALAWAR	0	73	0	73
15.	JODHPUR	30	6052	15	6097
16.	KOTA	1	328	0	329

17.	NAGPUR	19	3666	8	3693
18.	PALI	0	280	0	280
19.	RAJSAMAND	0	13	0	13
20.	SAWAI-MADHOPUR	0	25	0	25
21.	TONK	0	6	0	6
22.	UDAIPUR	0	19	0	19

* State Total : 271 12255 24 12550

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : RAJASTHAN

(in Nos.)

		According to Average Pumping Hours during peak season						Total (3 to 8)
Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	
1	2	3	4	5	6	7	8	9
1.	AJMER	0	1	1	0	0	1	3
2.	BARAN	103	290	100	2	0	3	498
3.	BARMER	0	5	0	0	0	0	5
4.	BHARATPUR	164	173	16	1	0	0	354
5.	BHILWARA	2	2	23	18	4	1	50
6.	BIKANER	2	14	3	0	0	0	19
7.	BUNDI	25	46	4	0	0	0	75
8.	CHITTORGARH	181	555	72	25	6	1	840
9.	CHURU	2	14	14	4	2	0	36
10.	DAUSA	0	1	2	0	0	0	3
11.	DUNGARPUR	5	44	3	0	0	0	52
12.	JAISALMER	0	2	0	0	0	0	2
13.	JALORE	1	66	11	0	0	0	78
14.	JHALAWAR	6	39	21	1	6	0	73
15.	JODHPUR	379	5552	151	7	5	3	6097
16.	KOTA	34	293	1	0	0	1	329
17.	NAGPUR	253	3317	117	3	2	1	3693
18.	PALI	32	216	10	2	2	18	280
19.	RAJSAMAND	0	0	1	0	0	12	13
20.	SAWAI-MADHOPUR	3	22	0	0	0	0	25
21.	TONK	0	2	3	0	1	0	6
22.	UDAIPUR	9	4	4	2	0	0	19
* State Total :		1201	10658	557	65	28	41	12550

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.12 Average length of Water Conveyance Channel

State : RAJASTHAN

(in Mts.)

Sl. No.	Name of District	Total Number of Schemes	Average length of channels		
			Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	AJMER	3	0	33	200
2.	BARAN	498	4	81	0
3.	BARMER	5	0	394	0
4.	BHARATPUR	354	0	107	2
5.	BHILWARA	50	3	106	23
6.	BIKANER	19	64	0	55
7.	BUNDI	75	0	81	0
8.	CHITTORGARH	840	3	319	18
9.	CHURU	36	107	0	0
10.	DAUSA	3	0	140	0
11.	DUNGARPUR	52	1	148	1
12.	JAISALMER	2	0	350	0
13.	JALORE	78	75	148	74
14.	JHALAWAR	73	7	69	1
15.	JODHPUR	6097	45	268	117
16.	KOTA	329	17	277	260
17.	NAGAU	3693	56	215	66
18.	PALI	280	7	191	70
19.	RAJSAMAND	13	0	282	0
20.	SAWAI-MADHOPUR	25	0	196	0
21.	TONK	6	0	868	0
22.	UDAIPUR	19	48	60	25
* State Average:		12550	33	216	70

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)**DEEP TUBEWELL (COMPLETED) SCHEDULE A-3****Table 3.13 Culturable Command Area and Potential Created**

State : RAJASTHAN

(in Ha.)

Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				Total
			Khariif	Rabi	Perenial	Others	
1	2	3	4	5	6	7	8
1.	AJMER	19	4	15	0	0	19
2.	BARAN	2969	301	2959	0	0	3260
3.	BARMER	109	0	109	0	0	109
4.	BHARATPUR	2240	41	2280	9	3	2333
5.	BHILWARA	209	3	210	0	0	213
6.	BIKANER	173	75	146	6	0	227
7.	BUNDI	869	0	869	0	0	869
8.	CHITTORGARH	6119	449	5887	3	86	6425
9.	CHURU	284	112	185	0	2	299

10.	DAUSA	8	0	8	0	0	8
11.	DUNGARPUR	725	24	685	0	22	731
12.	JAISALMER	57	0	57	0	0	57
13.	JALORE	1029	43	1039	0	2	1084
14.	JHALAWAR	562	0	562	0	0	562
15.	JODHPUR	70024	10469	69951	346	1432	82198
16.	KOTA	3895	94	4004	7	2	4107
17.	NAGAU	40873	6849	42695	195	850	50589
18.	PALI	1596	0	2444	0	3	2447
19.	RAJSAMAND	74	6	74	0	0	80
20.	SAWAI-MADHOPUR	132	0	135	0	0	135
21.	TONK	183	0	183	0	0	183
22.	UDAIPUR	32	9	26	0	0	35

* State Total :		132181	18479	134523	566	2402	155970

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : RAJASTHAN

(in Ha.)

		Actual Area Irrigated during 1993-94				
Sl. No.	Name of District	Khariif	Rabi	Perenial	Others	Total

1	2	3	4	5	6	7

1.	AJMER	3	3	0	0	6
2.	BARAN	151	2790	0	0	2941
3.	BARMER	0	109	0	0	109
4.	BHARATPUR	28	2044	2	0	2074
5.	BHILWARA	0	208	0	0	208
6.	BIKANER	58	117	0	0	175
7.	BUNDI	0	837	0	0	837
8.	CHITTORGARH	226	5634	0	124	5984
9.	CHURU	90	194	0	2	286
10.	DAUSA	0	8	0	0	8
11.	DUNGARPUR	12	636	0	8	656
12.	JAISALMER	0	57	0	0	57
13.	JALORE	42	978	0	0	1020
14.	JHALAWAR	0	558	0	0	558
15.	JODHPUR	6912	63583	232	1244	71971
16.	KOTA	53	3730	3	4	3790
17.	NAGAU	4891	39135	129	714	44869
18.	PALI	0	2427	6	0	2433
19.	RAJSAMAND	0	74	0	0	74
20.	SAWAI-MADHOPUR	0	132	3	0	135
21.	TONK	0	183	0	0	183
22.	UDAIPUR	3	14	0	0	17

* State Total :		12469	123451	375	2096	138391

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

State : RAJASTHAN

(in Ha.)

Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perennial	Others	Total
1	2	3	4	5	6	7
1.	AJMER	0	0	0	0	0
2.	BARAN	0	0	0	0	0
3.	BARMER	0	0	0	0	0
4.	BHARATPUR	0	0	0	0	0
5.	BHILWARA	0	0	0	0	0
6.	BIKANER	23	63	0	0	86
7.	BUNDI	0	0	0	0	0
8.	CHITTORGARH	0	0	0	0	0
9.	CHURU	7	14	0	0	21
10.	DAUSA	0	0	0	0	0
11.	DUNGARPUR	0	0	0	0	0
12.	JAISALMER	0	0	0	0	0
13.	JALORE	0	0	0	0	0
14.	JHALAWAR	0	0	0	0	0
15.	JODHPUR	12	0	0	0	12
16.	KOTA	0	0	0	0	0
17.	NAGPUR	6	0	0	0	6
18.	PALI	0	0	0	0	0
19.	RAJSAMAND	0	0	0	0	0
20.	SAWAI-MADHOPUR	0	0	0	0	0
21.	TONK	0	0	0	0	0
22.	UDAIPUR	0	0	0	0	0
* State Total :		48	77	0	0	125

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : RAJASTHAN

(in Nos.)

Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'nts	Constraints in utilisation of Irri. Pot. Created					Grand Total
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason	Total (5 to 8)	
1	2	3	4	5	6	7	8	9	10
1.	AJMER	3	0	0	0	2	1	3	3
2.	BARAN	478	477	0	0	0	1	1	478
3.	BARMER	5	5	0	0	0	0	0	5

4.	BHARATPUR	271	255	12	0	3	1	16	271
5.	BHILWARA	49	49	0	0	0	0	0	49
6.	BIKANER	16	8	7	1	0	0	8	16
7.	BUNDI	59	59	0	0	0	0	0	59
8.	CHITTORGARH	788	573	98	0	113	4	215	788
9.	CHURU	35	29	5	0	0	1	6	35
10.	DAUSA	3	3	0	0	0	0	0	3
11.	DUNGARPUR	46	13	16	0	14	3	33	46
12.	JAISALMER	2	2	0	0	0	0	0	2
13.	JALORE	70	50	7	0	13	0	20	70
14.	JHALAWAR	72	71	0	0	0	1	1	72
15.	JODHPUR	5707	2632	1510	12	1332	221	3075	5707
16.	KOTA	312	85	2	0	224	1	227	312
17.	NAGAU	3482	1679	1047	11	607	138	1803	3482
18.	PALI	274	274	0	0	0	0	0	274
19.	RAJSAMAND	13	13	0	0	0	0	0	13
20.	SAWAI-MADHOPUR	24	24	0	0	0	0	0	24
21.	TONK	6	6	0	0	0	0	0	6
22.	UDAIPUR	11	11	0	0	0	0	0	11

* State Total :		11726	6318	2704	24	2308	372	5408	11726

* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : TAMIL NADU

(in Nos.)

Construction of Deep Tubewells over the years										
Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	COIMBATORE	1714	377	400	483	315	361	266	281	4197
2.	CUDDALORE	3292	1136	799	873	887	396	177	133	7693
3.	DHARMAPURI	100	80	11	16	31	30	51	39	358
4.	DINDIGUL	18	4	1	26	20	11	5	13	98
5.	ERODE	1004	57	67	118	107	42	62	16	1473
6.	KANCHIPURAM	2	0	0	0	0	0	0	0	2
7.	KANNIYAKUMARI	0	0	0	0	0	0	0	3	3
8.	KARUR	105	10	0	3	9	6	14	2	149
9.	MADURAI	4	0	0	0	0	0	0	0	4
10.	NAGAPATTINAM	0	0	0	0	0	0	0	10	10
11.	NAMAKKAL	935	85	166	148	127	511	37	42	2051
12.	PERAMBALUR	356	31	34	82	28	12	14	37	594
13.	PUDUKOTTAI	224	138	57	100	213	170	151	95	1148
14.	RAMNATHAPURAM	54	20	22	1	13	4	19	21	154
15.	SALEM	535	69	61	159	151	128	70	46	1219
16.	SIVAGANGA	52	3	13	10	5	2	1	6	92
17.	THANJAVUR	736	329	439	489	393	340	182	103	3011
18.	THENI	269	4	4	3	1	1	1	0	283
19.	TIRUNELVELI	10	3	3	3	1	10	3	0	33

20.	TIRUVALLUR	174	33	42	6	5	1	1	0	262
21.	TIRUVARUR	245	96	108	157	62	32	36	42	778
22.	TRICHIRAPPALLI	8	0	0	0	0	0	0	0	8
23.	VILLUPURAM	4743	277	457	532	475	248	198	2412	9342
24.	VIRUDHUNAGAR	2	0	0	0	1	1	0	0	4
* State Total :		14582	2752	2684	3209	2844	2306	1288	3301	32966

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : TAMIL NADU

(in Nos.)

Sl. No.	Name of District	Tubewells Owned by						Total (3 to 8)
		Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	
1	2	3	4	5	6	7	8	9
1.	COIMBATORE	0	0	1	11	0	4185	4197
2.	CUDDALORE	10	3	3	2946	0	4731	7693
3.	DHARMAPURI	3	1	0	352	0	2	358
4.	DINDIGUL	0	1	0	18	0	79	98
5.	ERODE	1	2	1	950	0	519	1473
6.	KANCHIPURAM	2	0	0	0	0	0	2
7.	KANNIYAKUMARI	0	0	0	3	0	0	3
8.	KARUR	0	0	0	0	0	149	149
9.	MADURAI	0	0	0	4	0	0	4
10.	NAGAPATTINAM	0	0	0	0	0	10	10
11.	NAMAKKAL	0	0	0	1849	0	202	2051
12.	PERAMBALUR	14	0	14	37	0	529	594
13.	PUDUKOTTAI	4	0	0	23	0	1121	1148
14.	RAMNATHAPURAM	19	3	0	2	0	130	154
15.	SALEM	0	0	0	1219	0	0	1219
16.	SIVAGANGA	16	0	1	12	0	63	92
17.	THANJAVUR	16	0	3	0	0	2992	3011
18.	THENI	0	0	0	283	0	0	283
19.	TIRUNELVELI	4	0	0	4	0	25	33
20.	TIRUVALLUR	0	0	0	262	0	0	262
21.	TIRUVARUR	0	0	0	0	0	778	778
22.	TRICHIRAPPALLI	0	0	0	0	0	8	8
23.	VILLUPURAM	2	0	2	8184	0	1154	9342
24.	VIRUDHUNAGAR	0	0	0	0	0	4	4
* State Total :		91	10	25	16159	0	16681	32966

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : TAMIL NADU		(in Nos.)				
		According to Farmers' Holding size				
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	COIMBATORE	2	5	4	0	11
2.	CUDDALORE	1247	887	764	48	2946
3.	DHARMAPURI	111	154	85	2	352
4.	DINDIGUL	7	3	8	0	18
5.	ERODE	357	365	215	13	950
6.	KANCHIPURAM	0	0	0	0	0
7.	KANNIYAKUMARI	1	2	0	0	3
8.	KARUR	0	0	0	0	0
9.	MADURAI	0	0	0	4	4
10.	NAGAPATTINAM	0	0	0	0	0
11.	NAMAKKAL	589	605	631	24	1849
12.	PERAMBALUR	22	8	2	5	37
13.	PUDUKOTTAI	3	3	13	4	23
14.	RAMNATHAPURAM	2	0	0	0	2
15.	SALEM	409	495	300	15	1219
16.	SIVAGANGA	1	1	7	3	12
17.	THANJAVUR	0	0	0	0	0
18.	THENI	222	46	15	0	283
19.	TIRUNELVELI	3	0	0	1	4
20.	TIRUVALLUR	92	76	89	5	262
21.	TIRUVARUR	0	0	0	0	0
22.	TRICHIRAPPALLI	0	0	0	0	0
23.	VILLUPURAM	3436	2240	2045	463	8184
24.	VIRUDHUNAGAR	0	0	0	0	0
* State Total :		6504	4890	4178	587	16159

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)**DEEP TUBEWELL (COMPLETED) SCHEDULE A-3****Table 3.4 Distribution of Tubewells according to social status**

State : TAMIL NADU		(in Nos.)					
		According to Social Status of farmers				Owned by	Grand
Sl. No.	Name of District	Schedule Caste	Schedule Tribe	Others	Total (3+4+5)	other than ind./group of farmers	Total (6 + 7)
1	2	3	4	5	6	7	8
1.	COIMBATORE	0	0	11	11	4186	4197
2.	CUDDALORE	130	26	2790	2946	4747	7693
3.	DHARMAPURI	3	6	343	352	6	358

4.	DINDIGUL	0	0	18	18	80	98
5.	ERODE	14	3	933	950	523	1473
6.	KANCHIPURAM	0	0	0	0	2	2
7.	KANNIYAKUMARI	0	0	3	3	0	3
8.	KARUR	0	0	0	0	149	149
9.	MADURAI	0	0	4	4	0	4
10.	NAGAPATTINAM	0	0	0	0	10	10
11.	NAMAKKAL	90	11	1748	1849	202	2051
12.	PERAMBALUR	0	0	37	37	557	594
13.	PUDUKOTTAI	3	0	20	23	1125	1148
14.	RAMNATHAPURAM	0	0	2	2	152	154
15.	SALEM	45	68	1106	1219	0	1219
16.	SIVAGANGA	0	0	12	12	80	92
17.	THANJAVUR	0	0	0	0	3011	3011
18.	THENI	12	0	271	283	0	283
19.	TIRUNELVELI	0	0	4	4	29	33
20.	TIRUVALLUR	23	6	233	262	0	262
21.	TIRUVARUR	0	0	0	0	778	778
22.	TRICHIRAPPALLI	0	0	0	0	8	8
23.	VILLUPURAM	633	169	7382	8184	1158	9342
24.	VIRUDHUNAGAR	0	0	0	0	4	4

* State Total :		953	289	14917	16159	16807	32966

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : TAMIL NADU

(in Nos.)

Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Not in Use		----- Others	Total (4 to 7)	Grand Total (3 + 8)
				Dried up	Destroyed			
1	2	3	4	5	6	7	8	9

1.	COIMBATORE	3165	432	66	529	5	1032	4197
2.	CUDDALORE	7250	84	40	236	83	443	7693
3.	DHARMAPURI	136	204	17	1	0	222	358
4.	DINDIGUL	74	18	6	0	0	24	98
5.	ERODE	1294	140	30	8	1	179	1473
6.	KANCHIPURAM	0	0	0	0	2	2	2
7.	KANNIYAKUMARI	3	0	0	0	0	0	3
8.	KARUR	138	10	0	1	0	11	149
9.	MADURAI	4	0	0	0	0	0	4
10.	NAGAPATTINAM	10	0	0	0	0	0	10
11.	NAMAKKAL	1713	98	219	10	11	338	2051
12.	PERAMBALUR	136	198	16	1	243	458	594
13.	PUDUKOTTAI	1113	24	2	8	1	35	1148
14.	RAMNATHAPURAM	146	5	3	0	0	8	154
15.	SALEM	1192	16	7	1	3	27	1219
16.	SIVAGANGA	67	9	2	1	13	25	92
17.	THANJAVUR	2930	16	16	46	3	81	3011
18.	THENI	23	1	1	0	258	260	283

19. TIRUNELVELI	29	0	1	0	3	4	33
20. TIRUVALLUR	250	7	0	0	5	12	262
21. TIRUVARUR	764	14	0	0	0	14	778
22. TRICHIRAPPALLI	6	0	0	0	2	2	8
23. VILLUPURAM	8802	109	337	89	5	540	9342
24. VIRUDHUNAGAR	4	0	0	0	0	0	4
* State Total :	29249	1385	763	931	638	3717	32966

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : TAMIL NADU

(in Nos.)

		Source of Finance for constructing Tubewells					
Sl. No.	Name of District	Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	COIMBATORE	3145	550	65	17	420	4197
2.	CUDDALORE	1182	6167	84	16	234	7683
3.	DHARMAPURI	61	67	109	59	59	355
4.	DINDIGUL	49	30	0	1	18	98
5.	ERODE	1261	136	9	0	66	1472
6.	KANCHIPURAM	0	0	0	0	0	0
7.	KANNIYAKUMARI	3	0	0	0	0	3
8.	KARUR	141	8	0	0	0	149
9.	MADURAI	0	0	4	0	0	4
10.	NAGAPATTINAM	10	0	0	0	0	10
11.	NAMAKKAL	1401	610	22	0	18	2051
12.	PERAMBALUR	502	42	14	20	2	580
13.	PUDUKOTTAI	572	515	27	29	1	1144
14.	RAMNATHAPURAM	35	91	7	0	2	135
15.	SALEM	904	130	85	0	100	1219
16.	SIVAGANGA	44	5	7	3	17	76
17.	THANJAVUR	2521	279	124	30	41	2995
18.	THENI	55	0	5	0	223	283
19.	TIRUNELVELI	23	5	1	0	0	29
20.	TIRUVALLUR	256	1	1	0	4	262
21.	TIRUVARUR	612	82	81	0	3	778
22.	TRICHIRAPPALLI	8	0	0	0	0	8
23.	VILLUPURAM	8107	610	237	12	374	9340
24.	VIRUDHUNAGAR	0	3	0	1	0	4
* State Total :		20892	9331	882	188	1582	32875

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : TAMIL NADU

(in Nos.)

		According to Water Distribution System					
Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	COIMBATORE	129	71	2769	654	574	4197
2.	CUDDALORE	287	25	7103	72	206	7693
3.	DHARMAPURI	0	0	358	0	0	358
4.	DINDIGUL	0	0	67	20	11	98
5.	ERODE	25	14	1314	65	55	1473
6.	KANCHIPURAM	0	0	0	0	2	2
7.	KANNIYAKUMARI	0	0	0	0	3	3
8.	KARUR	0	0	42	97	10	149
9.	MADURAI	0	0	0	4	0	4
10.	NAGAPATTINAM	0	0	10	0	0	10
11.	NAMAKKAL	194	4	1436	45	372	2051
12.	PERAMBALUR	30	38	523	0	3	594
13.	PUDUKOTTAI	28	5	1074	39	2	1148
14.	RAMNATHAPURAM	1	19	129	1	4	154
15.	SALEM	51	6	634	66	462	1219
16.	SIVAGANGA	1	1	70	10	10	92
17.	THANJAVUR	70	22	2894	9	16	3011
18.	THENI	3	0	248	0	32	283
19.	TIRUNELVELI	11	2	16	4	0	33
20.	TIRUVALLUR	67	0	188	2	5	262
21.	TIRUVARUR	0	0	752	26	0	778
22.	TRICHIRAPPALLI	0	0	7	1	0	8
23.	VILLUPURAM	1929	115	6317	289	692	9342
24.	VIRUDHUNAGAR	0	0	3	1	0	4
* State Total :		2826	322	25954	1405	2459	32966

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : TAMIL NADU

(in Nos.)

		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	COIMBATORE	4091	61	45	4197

2. CUDDALORE	2536	1341	3816	7693
3. DHARMAPURI	256	80	22	358
4. DINDIGUL	94	4	0	98
5. ERODE	1047	293	133	1473
6. KANCHIPURAM	0	0	2	2
7. KANNIYAKUMARI	3	0	0	3
8. KARUR	95	54	0	149
9. MADURAI	1	3	0	4
10. NAGAPATTINAM	8	2	0	10
11. NAMAKKAL	1860	68	123	2051
12. PERAMBALUR	289	283	22	594
13. PUDUKOTTAI	973	145	30	1148
14. RAMNATHAPURAM	75	25	54	154
15. SALEM	969	169	81	1219
16. SIVAGANGA	78	6	8	92
17. THANJAVUR	1550	1426	35	3011
18. THENI	251	29	3	283
19. TIRUNELVELI	24	5	4	33
20. TIRUVALLUR	259	2	1	262
21. TIRUVARUR	434	344	0	778
22. TRICHIRAPPALLI	7	1	0	8
23. VILLUPURAM	8343	472	527	9342
24. VIRUDHUNAGAR	3	0	1	4

 * State Total : 23246 4813 4907 32966

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : TAMIL NADU

(in Nos.)

Sl. No.	Name of District	According to horse power of lifting devices				Total (3 to 6)
		0-6 hp	6-12 hp	12-18 hp	Above 18 hp	
1	2	3	4	5	6	7
1. COIMBATORE		2165	1712	310	10	4197
2. CUDDALORE		3720	2496	1148	329	7693
3. DHARMAPURI		338	17	3	0	358
4. DINDIGUL		88	10	0	0	98
5. ERODE		1076	385	7	5	1473
6. KANCHIPURAM		2	0	0	0	2
7. KANNIYAKUMARI		3	0	0	0	3
8. KARUR		146	3	0	0	149
9. MADURAI		4	0	0	0	4
10. NAGAPATTINAM		4	6	0	0	10
11. NAMAKKAL		1847	194	3	7	2051
12. PERAMBALUR		249	296	40	9	594
13. PUDUKOTTAI		542	440	150	16	1148
14. RAMNATHAPURAM		115	36	2	1	154
15. SALEM		1057	153	1	8	1219

16. SIVAGANGA	47	13	26	6	92
17. THANJAVUR	2142	736	109	24	3011
18. THENI	278	5	0	0	283
19. TIRUNELVELI	31	1	0	1	33
20. TIRUVALLUR	144	116	2	0	262
21. TIRUVARUR	770	5	0	3	778
22. TRICHIRAPPALLI	7	0	0	1	8
23. VILLUPURAM	2720	3855	2604	163	9342
24. VIRUDHUNAGAR	4	0	0	0	4

* State Total :	17499	10479	4405	583	32966

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : TAMIL NADU (in Nos.)

Sl. No. Name of District		Location of Tubewells			
		On the Command	Outside Command	Augmen- tation	Total (3 to 5)
1	2	3	4	5	6

1. COIMBATORE		493	3700	4	4197
2. CUDDALORE		3827	3865	1	7693
3. DHARMAPURI		46	305	7	358
4. DINDIGUL		10	88	0	98
5. ERODE		573	900	0	1473
6. KANCHIPURAM		2	0	0	2
7. KANNIYAKUMARI		3	0	0	3
8. KARUR		2	142	5	149
9. MADURAI		4	0	0	4
10. NAGAPATTINAM		0	10	0	10
11. NAMAKKAL		110	1940	1	2051
12. PERAMBALUR		0	594	0	594
13. PUDUKOTTAI		177	911	60	1148
14. RAMNATHAPURAM		28	126	0	154
15. SALEM		20	1199	0	1219
16. SIVAGANGA		33	59	0	92
17. THANJAVUR		2347	624	40	3011
18. THENI		256	27	0	283
19. TIRUNELVELI		0	33	0	33
20. TIRUVALLUR		92	170	0	262
21. TIRUVARUR		778	0	0	778
22. TRICHIRAPPALLI		6	2	0	8
23. VILLUPURAM		1201	8140	1	9342
24. VIRUDHUNAGAR		1	3	0	4

* State Total :		10009	22838	119	32966

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : TAMIL NADU

(in Nos.)

		According to Average Pumping Hours during peak season						
Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	COIMBATORE	1926	2006	175	27	42	21	4197
2.	CUDDALORE	616	2321	2184	596	1201	775	7693
3.	DHARMAPURI	199	155	4	0	0	0	358
4.	DINDIGUL	13	76	9	0	0	0	98
5.	ERODE	398	790	283	1	0	1	1473
6.	KANCHIPURAM	2	0	0	0	0	0	2
7.	KANNIYAKUMARI	0	3	0	0	0	0	3
8.	KARUR	108	39	2	0	0	0	149
9.	MADURAI	4	0	0	0	0	0	4
10.	NAGAPATTINAM	2	8	0	0	0	0	10
11.	NAMAKKAL	1687	139	180	20	6	19	2051
12.	PERAMBALUR	296	105	161	11	18	3	594
13.	PUDUKOTTAI	135	471	291	99	125	27	1148
14.	RAMNATHAPURAM	23	6	7	20	48	50	154
15.	SALEM	957	184	57	17	3	1	1219
16.	SIVAGANGA	22	31	20	3	0	16	92
17.	THANJAVUR	295	1094	1533	41	44	4	3011
18.	THENI	266	8	8	1	0	0	283
19.	TIRUNELVELI	27	5	1	0	0	0	33
20.	TIRUVALLUR	63	148	46	3	0	2	262
21.	TIRUVARUR	160	389	202	7	20	0	778
22.	TRICHIRAPPALLI	3	0	0	0	1	4	8
23.	VILLUPURAM	831	3580	3552	1234	38	107	9342
24.	VIRUDHUNAGAR	4	0	0	0	0	0	4
* State Total :		8037	11558	8715	2080	1546	1030	32966

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.12 Average length of Water Conveyance Channel

State : TAMIL NADU

(in Mts.)

		Total Number of Schemes	Average length of channels		
Sl. No.	Name of District		Pucca Channel	Kuccha Channel	Under ground Channel

1	2	3	4	5	6
1.	COIMBATORE	4197	2	10	8
2.	CUDDALORE	7693	12	64	6
3.	DHARMAPURI	358	3	29	56
4.	DINDIGUL	98	22	26	32
5.	ERODE	1473	14	19	13
6.	KANCHIPURAM	2	0	0	0
7.	KANNIYAKUMARI	3	63	0	0
8.	KARUR	149	0	10	58
9.	MADURAI	4	0	0	143
10.	NAGAPATTINAM	10	0	21	0
11.	NAMAKKAL	2051	21	13	10
12.	PERAMBALUR	594	22	20	3
13.	PUDUKOTTAI	1148	55	84	20
14.	RAMNATHAPURAM	154	30	60	0
15.	SALEM	1219	27	16	15
16.	SIVAGANGA	92	151	28	3
17.	THANJAVUR	3011	42	62	0
18.	THENI	283	8	8	1
19.	TIRUNELVELI	33	36	13	7
20.	TIRUVALLUR	262	11	67	48
21.	TIRUVARUR	778	17	53	0
22.	TRICHIRAPPALLI	8	31	13	100
23.	VILLUPURAM	9342	36	51	24
24.	VIRUDHUNAGAR	4	43	0	3
* State Average:		32966	32	33	30

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.13 Culturable Command Area and Potential Created

State : TAMIL NADU

(in Ha.)

Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				Total
			Khariif	Rabi	Perenial	Others	
1	2	3	4	5	6	7	8
1.	COIMBATORE	4662	2733	875	1398	81	5087
2.	CUDDALORE	14656	8523	7221	778	1058	17580
3.	DHARMAPURI	1310	814	159	180	205	1358
4.	DINDIGUL	204	89	151	89	12	341
5.	ERODE	1513	1168	1276	45	463	2952
6.	KANCHIPURAM	0	0	0	0	0	0
7.	KANNIYAKUMARI	1	0	0	1	0	1
8.	KARUR	96	69	44	2	0	115
9.	MADURAI	4	0	0	4	0	4
10.	NAGAPATTINAM	61	61	0	0	0	61
11.	NAMAKKAL	2087	2023	44	40	20	2127
12.	PERAMBALUR	6211	1386	5173	63	1	6623
13.	PUDUKOTTAI	2587	1785	983	295	177	3240

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

State : TAMIL NADU

(in Ha.)

Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perennial	Others	Total
1	2	3	4	5	6	7
1.	COIMBATORE	132	4	202	41	379
2.	CUDDALORE	1540	1309	106	162	3117
3.	DHARMAPURI	0	0	0	0	0
4.	DINDIGUL	0	2	3	0	5
5.	ERODE	609	85	16	9	719
6.	KANCHIPURAM	0	0	0	0	0
7.	KANNIYAKUMARI	0	0	0	0	0
8.	KARUR	0	0	0	0	0
9.	MADURAI	0	0	0	0	0
10.	NAGAPATTINAM	61	0	0	0	61
11.	NAMAKKAL	613	3	1	1	618
12.	PERAMBALUR	38	53	0	0	91
13.	PUDUKOTTAI	396	74	109	13	592
14.	RAMNATHAPURAM	36	15	0	0	51
15.	SALEM	697	0	0	0	697
16.	SIVAGANGA	1	209	46	1	257
17.	THANJAVUR	636	987	267	6	1896
18.	THENI	0	0	0	0	0
19.	TIRUNELVELI	0	0	0	0	0
20.	TIRUVALLUR	52	17	0	0	69
21.	TIRUVARUR	561	589	47	6	1203
22.	TRICHIRAPPALLI	0	0	0	0	0
23.	VILLUPURAM	1169	723	134	47	2073
24.	VIRUDHUNAGAR	0	0	0	0	0
* State Total :		6541	4070	931	286	11828

* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : TAMIL NADU

(in Nos.)

		Total No. of T'wells	No. of T'wells	Constraints in utilisation of Irri. Pot. Created					Grand Total
Sl. No.	Name of District	T'wells in use	with no cons'nts	Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason	Total (5 to 8)	(4 + 9)

1	2	3	4	5	6	7	8	9	10
1.	COIMBATORE	3165	0	35	2	2988	140	3165	3165
2.	CUDDALORE	7250	0	294	60	124	6772	7250	7250
3.	DHARMAPURI	136	0	0	0	136	0	136	136
4.	DINDIGUL	74	0	14	0	60	0	74	74
5.	ERODE	1294	0	6	2	83	1203	1294	1294
6.	KANCHIPURAM	0	0	0	0	0	0	0	0
7.	KANNIYAKUMARI	3	0	0	0	0	3	3	3
8.	KARUR	138	110	21	0	7	0	28	138
9.	MADURAI	4	0	0	0	0	4	4	4
10.	NAGAPATTINAM	10	0	9	0	0	1	10	10
11.	NAMAKKAL	1713	0	2	0	1	1710	1713	1713
12.	PERAMBALUR	136	0	5	0	2	129	136	136
13.	PUDUKOTTAI	1113	0	262	4	43	804	1113	1113
14.	RAMNATHAPURAM	146	0	27	1	0	118	146	146
15.	SALEM	1192	4	0	0	9	1179	1188	1192
16.	SIVAGANGA	67	0	0	0	1	66	67	67
17.	THANJAVUR	2930	11	191	2	6	2720	2919	2930
18.	THENI	23	0	0	0	0	23	23	23
19.	TIRUNELVELI	29	0	1	0	15	13	29	29
20.	TIRUVALLUR	250	0	50	12	11	177	250	250
21.	TIRUVARUR	764	663	56	0	7	38	101	764
22.	TRICHIRAPPALLI	6	0	0	0	0	6	6	6
23.	VILLUPURAM	8802	0	623	338	159	7682	8802	8802
24.	VIRUDHUNAGAR	4	0	0	0	3	1	4	4
* State Total :		29249	788	1596	421	3655	22789	28461	29249
* Data in respect of the remaining 5 Districts are NIL.									

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : TRIPURA		(in Nos.)								
		Construction of Deep Tubewells over the years								
Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	DHALAI	1	1	0	0	0	0	0	0	2
2.	NORTH	6	0	0	0	1	1	0	1	9
3.	SOUTH	19	3	0	1	5	1	2	8	39
4.	WEST	39	4	6	3	6	11	8	4	81
State Total :		65	8	6	4	12	13	10	13	131

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : TRIPURA

(in Nos.)

Tubewells Owned by								
Sl. No.	Name of District	Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	DHALAI	2	0	0	0	0	0	2
2.	NORTH	9	0	0	0	0	0	9
3.	SOUTH	38	0	1	0	0	0	39
4.	WEST	80	1	0	0	0	0	81
State Total :		129	1	1	0	0	0	131

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : TRIPURA

(in Nos.)

		According to Farmers' Holding size				
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	DHALAI	0	0	0	0	0
2.	NORTH	0	0	0	0	0
3.	SOUTH	0	0	0	0	0
4.	WEST	0	0	0	0	0
State Total :		0	0	0	0	0

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : TRIPURA

(in Nos.)

		According to Social Status of farmers	Owned by other than	Grand Total
Sl. No.	Name of District	1	2	3

Sl. No.	Name of District	Schedule Caste	Schedule Tribe	Others	Total (3+4+5)	ind./group of farmers	(6 + 7)
1	2	3	4	5	6	7	8
1.	DHALAI	0	0	0	0	2	2
2.	NORTH	0	0	0	0	9	9
3.	SOUTH	0	0	0	0	39	39
4.	WEST	0	0	0	0	81	81
State Total :		0	0	0	0	131	131

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : UTTAR PRADESH

(in Nos.)

Construction of Deep Tubewells over the years										
Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	AGRA	300	20	18	45	110	41	0	0	534
2.	ALIGARH	50	0	2	5	2	1	0	0	60
3.	ALLAHABAD	355	40	31	39	7	6	2	20	500
4.	AMBEDKAR NAGAR	99	0	3	0	1	0	1	0	104
5.	AZAMGARH	41	0	0	0	0	0	0	1	42
6.	BADAUN	599	17	23	23	17	7	4	6	696
7.	BAHRAICH	208	17	10	31	11	12	1	1	291
8.	BALLIA	499	27	16	12	5	5	1	4	569
9.	BANDA	108	6	7	16	22	6	12	9	186
10.	BAREILLY	517	21	25	88	12	7	4	22	696
11.	BIJNOR	278	36	14	11	4	6	14	24	387
12.	DEHRADUN	46	3	2	4	11	0	1	1	68
13.	DEORIA	394	18	16	23	3	5	5	6	470
14.	ETAH	15	3	4	4	0	0	0	1	27
15.	ETAWAH	176	22	27	17	8	14	7	10	281
16.	FAIZABAD	167	24	3	12	1	0	0	1	208
17.	FARUKHABAD	25	0	1	6	4	1	0	0	37
18.	FATEHPUR	87	14	40	18	33	16	6	59	273
19.	FIROZABAD	105	0	0	0	2	0	1	0	108
20.	GHAZIABAD	223	13	2	1	2	2	0	0	243
21.	GHAZIPUR	9	10	99	170	56	5	0	0	349
22.	GONDA	269	13	5	25	7	9	53	7	388

23.	GORAKHPUR	418	158	6	7	2	2	0	0	593
24.	HAMIRPUR	43	4	13	17	18	16	22	27	160
25.	HARDOI	46	0	2	3	1	1	0	1	54
26.	HARDWAR	11	0	0	0	0	0	0	0	11
27.	JALAUN	176	52	27	32	45	29	41	34	436
28.	JAUNPUR	111	2	2	4	1	2	0	3	125
29.	JHANSI	0	0	0	0	0	0	0	2	2
30.	KANPUR DEHAT	294	22	21	31	48	36	26	71	549
31.	KANPUR NAGAR	8	0	0	0	0	0	0	0	8
32.	KHIRI	154	4	9	8	0	0	0	0	175
33.	KUSHI NAGAR	39	1	0	0	0	0	0	2	42
34.	LUCKNOW	26	1	4	2	0	0	0	0	33
35.	MAHRAJGANJ	22	0	12	4	8	0	0	1	47
36.	MEEERUT	212	4	2	1	1	3	1	1	225
37.	MIRZAPUR	157	9	14	16	11	3	5	19	234
38.	MORADABAD	15	4	18	19	4	0	0	8	68
39.	MUZAFFER NAGAR	259	1	0	1	7	1	0	1	270
40.	NAINITAL	56	4	10	2	1	4	0	0	77
41.	PAURI GARHWAL	2	0	0	0	0	0	0	0	2
42.	PILIBHIT	4	26	1	0	0	1	0	0	32
43.	RAEBARELY	14	0	0	0	0	0	0	0	14
44.	RAMPUR	125	25	45	0	0	0	0	0	195
45.	SANT RAVIDAS NAGAR	412	4	5	5	5	3	2	1	437
46.	SHAHJAHANPUR	63	3	6	20	2	0	1	2	97
47.	SITAPUR	101	1	1	2	0	0	2	6	113
48.	SULTANPUR	69	3	10	3	2	0	2	2	91
49.	UDHAMSINGH NAGAR	212	33	30	24	11	13	10	7	340
50.	VARANASI	550	16	28	56	10	6	7	5	678
* State Total :		8169	681	614	807	495	263	231	365	11625

* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : UTTAR PRADESH

(in Nos.)

Sl. No.	Name of District	Tubewells Owned by						Total (3 to 8)
		Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	
1	2	3	4	5	6	7	8	9
1.	AGRA	317	1	0	0	0	216	534
2.	ALIGARH	57	0	0	0	0	3	60
3.	ALLAHABAD	399	0	0	50	0	51	500
4.	AMBEDKAR NAGAR	4	0	0	0	0	100	104
5.	AZAMGARH	42	0	0	0	0	0	42
6.	BADAUN	638	0	0	0	0	58	696
7.	BAHRAICH	0	0	0	0	0	291	291
8.	BALLIA	552	1	0	2	0	14	569
9.	BANDA	27	1	2	27	0	129	186
10.	BAREILLY	619	4	0	2	0	71	696
11.	BIJNOR	281	0	31	2	0	73	387

12.	DEHRADUN	61	0	0	6	0	1	68
13.	DEORIA	446	0	2	3	0	19	470
14.	ETAH	16	1	1	0	0	9	27
15.	ETAWAH	85	2	18	2	0	174	281
16.	FAIZABAD	0	0	0	0	0	208	208
17.	FARUKHABAD	8	0	0	0	0	29	37
18.	FATEHPUR	230	2	0	3	0	38	273
19.	FIROZABAD	103	0	0	3	0	2	108
20.	GHAZIABAD	243	0	0	0	0	0	243
21.	GHAZIPUR	11	0	1	2	0	335	349
22.	GONDA	0	0	0	0	0	388	388
23.	GORAKHPUR	593	0	0	0	0	0	593
24.	HAMIRPUR	92	0	0	1	0	67	160
25.	HARDOI	42	0	0	0	0	12	54
26.	HARDWAR	4	0	0	7	0	0	11
27.	JALAUN	300	0	0	47	0	89	436
28.	JAUNPUR	98	0	0	2	0	25	125
29.	JHANSI	2	0	0	0	0	0	2
30.	KANPUR DEHAT	99	0	221	113	0	116	549
31.	KANPUR NAGAR	0	0	0	0	0	8	8
32.	KHIRI	145	0	0	0	0	30	175
33.	KUSHI NAGAR	38	0	0	0	0	4	42
34.	LUCKNOW	28	0	0	3	0	2	33
35.	MAHRAJGANJ	37	0	0	1	0	9	47
36.	MEEERUT	221	0	0	0	0	4	225
37.	MIRZAPUR	222	0	1	0	0	11	234
38.	MORADABAD	13	0	0	0	0	55	68
39.	MUZAFFER NAGAR	244	1	0	9	0	16	270
40.	NAINITAL	67	10	0	0	0	0	77
41.	PAURI GARHWAL	2	0	0	0	0	0	2
42.	PILIBHIT	18	1	0	1	0	12	32
43.	RAEBARELY	10	0	0	0	0	4	14
44.	RAMPUR	175	0	0	20	0	0	195
45.	SANT RAVIDAS NAGAR	410	3	1	0	0	23	437
46.	SHAHJAHANPUR	92	0	1	2	0	2	97
47.	SITAPUR	97	1	0	2	0	13	113
48.	SULTANPUR	0	0	0	0	0	91	91
49.	UDHAMSINGH NAGAR	232	10	0	5	0	93	340
50.	VARANASI	586	19	2	1	0	70	678

* State Total :	8006	57	281	316	0	2965	11625
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* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : UTTAR PRADESH

(in Nos.)

		According to Farmers' Holding size				
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7

1.	AGRA	0	0	0	0	0
2.	ALIGARH	0	0	0	0	0
3.	ALLAHABAD	20	1	10	19	50
4.	AMBEDKAR NAGAR	0	0	0	0	0
5.	AZAMGARH	0	0	0	0	0
6.	BADAUN	0	0	0	0	0
7.	BAHRAICH	0	0	0	0	0
8.	BALLIA	1	0	1	0	2
9.	BANDA	10	0	6	11	27
10.	BAREILLY	0	0	0	2	2
11.	BIJNOR	0	0	0	2	2
12.	DEHRADUN	6	0	0	0	6
13.	DEORIA	0	0	0	3	3
14.	ETAH	0	0	0	0	0
15.	ETAWAH	0	0	2	0	2
16.	FAIZABAD	0	0	0	0	0
17.	FARUKHABAD	0	0	0	0	0
18.	FATEHPUR	1	1	0	1	3
19.	FIROZABAD	0	0	0	3	3
20.	GHAZIABAD	0	0	0	0	0
21.	GHAZIPUR	0	1	1	0	2
22.	GONDA	0	0	0	0	0
23.	GORAKHPUR	0	0	0	0	0
24.	HAMIRPUR	0	1	0	0	1
25.	HARDOI	0	0	0	0	0
26.	HARDWAR	1	0	0	6	7
27.	JALAUN	0	0	15	32	47
28.	JAUNPUR	0	0	0	2	2
29.	JHANSI	0	0	0	0	0
30.	KANPUR DEHAT	6	18	83	6	113
31.	KANPUR NAGAR	0	0	0	0	0
32.	KHIRI	0	0	0	0	0
33.	KUSHI NAGAR	0	0	0	0	0
34.	LUCKNOW	0	1	0	2	3
35.	MAHRAJGANJ	0	1	0	0	1
36.	MEERUT	0	0	0	0	0
37.	MIRZAPUR	0	0	0	0	0
38.	MORADABAD	0	0	0	0	0
39.	MUZAFFER NAGAR	1	0	2	6	9
40.	NAINITAL	0	0	0	0	0
41.	PAURI GARHWAL	0	0	0	0	0
42.	PILIBHIT	0	0	0	1	1
43.	RAEBARELY	0	0	0	0	0
44.	RAMPUR	0	0	0	20	20
45.	SANT RAVIDAS NAGAR	0	0	0	0	0
46.	SHAHJAHANPUR	0	0	1	1	2
47.	SITAPUR	2	0	0	0	2
48.	SULTANPUR	0	0	0	0	0
49.	UDHAMSINGH NAGAR	0	0	5	0	5
50.	VARANASI	1	0	0	0	1
* State Total :		49	24	126	117	316

* Data in respect of the remaining 18 Districts are NIL.

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : UTTAR PRADESH

(in Nos.)

Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	AGRA	0	0	0	0	534	534
2.	ALIGARH	0	0	0	0	60	60
3.	ALLAHABAD	5	0	45	50	450	500
4.	AMBEDKAR NAGAR	0	0	0	0	104	104
5.	AZAMGARH	0	0	0	0	42	42
6.	BADAUN	0	0	0	0	696	696
7.	BAHRAICH	0	0	0	0	291	291
8.	BALLIA	1	0	1	2	567	569
9.	BANDA	2	0	25	27	159	186
10.	BAREILLY	0	0	2	2	694	696
11.	BIJNOR	0	0	2	2	385	387
12.	DEHRADUN	0	0	6	6	62	68
13.	DEORIA	3	0	0	3	467	470
14.	ETAH	0	0	0	0	27	27
15.	ETAWAH	1	0	1	2	279	281
16.	FAIZABAD	0	0	0	0	208	208
17.	FARUKHABAD	0	0	0	0	37	37
18.	FATEHPUR	0	0	3	3	270	273
19.	FIROZABAD	0	0	3	3	105	108
20.	GHAZIABAD	0	0	0	0	243	243
21.	GHAZIPUR	0	0	2	2	347	349
22.	GONDA	0	0	0	0	388	388
23.	GORAKHPUR	0	0	0	0	593	593
24.	HAMIRPUR	0	0	1	1	159	160
25.	HARDOI	0	0	0	0	54	54
26.	HARDWAR	1	0	6	7	4	11
27.	JALAUN	0	0	47	47	389	436
28.	JAUNPUR	0	0	2	2	123	125
29.	JHANSI	0	0	0	0	2	2
30.	KANPUR DEHAT	2	1	110	113	436	549
31.	KANPUR NAGAR	0	0	0	0	8	8
32.	KHIRI	0	0	0	0	175	175
33.	KUSHI NAGAR	0	0	0	0	42	42
34.	LUCKNOW	0	1	2	3	30	33
35.	MAHRAJGANJ	1	0	0	1	46	47
36.	MEERUT	0	0	0	0	225	225
37.	MIRZAPUR	0	0	0	0	234	234
38.	MORADABAD	0	0	0	0	68	68
39.	MUZAFFER NAGAR	0	0	9	9	261	270
40.	NAINITAL	0	0	0	0	77	77
41.	PAURI GARHWAL	0	0	0	0	2	2
42.	PILIBHIT	0	0	1	1	31	32
43.	RAEBARELY	0	0	0	0	14	14
44.	RAMPUR	0	0	20	20	175	195
45.	SANT RAVIDAS NAGAR	0	0	0	0	437	437
46.	SHAHJAHANPUR	0	0	2	2	95	97
47.	SITAPUR	2	0	0	2	111	113

48.	SULTANPUR	0	0	0	0	91	91
49.	UDHAMSINGH NAGAR	0	0	5	5	335	340
50.	VARANASI	0	0	1	1	677	678
* State Total :		18	2	296	316	11309	11625

* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : UTTAR PRADESH

(in Nos.)

Sl. No.	Name of District	T'wells In Use	----- Temporary	Tubewells Not in Use Dried up	Destroyed	----- Others	Total (4 to 7)	Grand Total (3 + 8)
		3	4	5	6	7	8	9
1.	AGRA	534	0	0	0	0	0	534
2.	ALIGARH	58	1	1	0	0	2	60
3.	ALLAHABAD	485	7	3	0	5	15	500
4.	AMBEDKAR NAGAR	19	0	0	0	85	85	104
5.	AZAMGARH	42	0	0	0	0	0	42
6.	BADAUN	696	0	0	0	0	0	696
7.	BAHRAICH	280	2	0	0	9	11	291
8.	BALLIA	553	6	1	7	2	16	569
9.	BANDA	186	0	0	0	0	0	186
10.	BAREILLY	687	0	0	8	1	9	696
11.	BIJNOR	368	9	1	7	2	19	387
12.	DEHRADUN	60	2	0	0	6	8	68
13.	DEORIA	432	25	3	3	7	38	470
14.	ETAH	25	0	2	0	0	2	27
15.	ETAWAH	265	9	5	0	2	16	281
16.	FAIZABAD	90	15	0	0	103	118	208
17.	FARUKHABAD	37	0	0	0	0	0	37
18.	FATEHPUR	260	7	5	1	0	13	273
19.	FIROZABAD	108	0	0	0	0	0	108
20.	GHAZIABAD	243	0	0	0	0	0	243
21.	GHAZIPUR	346	1	2	0	0	3	349
22.	GONDA	306	4	5	4	69	82	388
23.	GORAKHPUR	584	4	1	4	0	9	593
24.	HAMIRPUR	158	1	0	0	1	2	160
25.	HARDOI	54	0	0	0	0	0	54
26.	HARDWAR	11	0	0	0	0	0	11
27.	JALAUN	430	1	1	1	3	6	436
28.	JAUNPUR	119	1	2	1	2	6	125
29.	JHANSI	2	0	0	0	0	0	2
30.	KANPUR DEHAT	545	2	0	0	2	4	549
31.	KANPUR NAGAR	8	0	0	0	0	0	8
32.	KHIRI	172	0	3	0	0	3	175
33.	KUSHI NAGAR	38	0	1	0	3	4	42
34.	LUCKNOW	33	0	0	0	0	0	33
35.	MAHRAJGANJ	43	1	0	1	2	4	47
36.	MEERUT	205	14	5	1	0	20	225
37.	MIRZAPUR	228	2	1	1	2	6	234

38. MORADABAD	68	0	0	0	0	0	68
39. MUZAFFER NAGAR	262	4	0	1	3	8	270
40. NAINITAL	71	4	2	0	0	6	77
41. PAURI GARHWAL	2	0	0	0	0	0	2
42. PILIBHIT	30	1	0	0	1	2	32
43. RAEBARELY	13	0	0	1	0	1	14
44. RAMPUR	195	0	0	0	0	0	195
45. SANT RAVIDAS NAGAR	428	5	2	0	2	9	437
46. SHAHJAHANPUR	95	2	0	0	0	2	97
47. SITAPUR	111	1	0	1	0	2	113
48. SULTANPUR	67	24	0	0	0	24	91
49. UDHAMSINGH NAGAR	328	3	3	1	5	12	340
50. VARANASI	672	3	1	0	2	6	678
* State Total :	11052	161	50	43	319	573	11625

* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : UTTAR PRADESH

(in Nos.)

		Source of Finance for constructing Tubewells					
Sl. No.	Name of District	Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	AGRA	17	178	19	3	0	217
2.	ALIGARH	3	0	0	0	0	3
3.	ALLAHABAD	88	8	5	0	0	101
4.	AMBEDKAR NAGAR	93	6	1	0	0	100
5.	AZAMGARH	0	0	0	0	0	0
6.	BADAUN	21	13	22	0	2	58
7.	BAHRAICH	265	5	16	5	0	291
8.	BALLIA	15	0	1	0	1	17
9.	BANDA	114	15	8	22	0	159
10.	BAREILLY	46	9	14	0	8	77
11.	BIJNOR	23	67	15	0	1	106
12.	DEHRADUN	6	1	0	0	0	7
13.	DEORIA	19	1	1	0	3	24
14.	ETAH	1	9	0	1	0	11
15.	ETAWAH	136	39	8	12	1	196
16.	FAIZABAD	128	50	11	0	19	208
17.	FARUKHABAD	27	0	1	1	0	29
18.	FATEHPUR	8	31	3	1	0	43
19.	FIROZABAD	5	0	0	0	0	5
20.	GHAZIABAD	0	0	0	0	0	0
21.	GHAZIPUR	2	8	100	165	63	338
22.	GONDA	320	62	3	0	3	388
23.	GORAKHPUR	0	0	0	0	0	0
24.	HAMIRPUR	3	38	8	18	1	68
25.	HARDOI	10	0	0	2	0	12
26.	HARDWAR	7	0	0	0	0	7

27.	JALAUN	18	77	13	25	3	136
28.	JAUNPUR	27	0	0	0	0	27
29.	JHANSI	0	0	0	0	0	0
30.	KANPUR DEHAT	198	148	101	1	2	450
31.	KANPUR NAGAR	8	0	0	0	0	8
32.	KHIRI	29	0	0	1	0	30
33.	KUSHI NAGAR	4	0	0	0	0	4
34.	LUCKNOW	4	0	1	0	0	5
35.	MAHRAJGANJ	4	0	1	4	1	10
36.	MEERUT	3	1	0	0	0	4
37.	MIRZAPUR	5	1	5	1	0	12
38.	MORADABAD	55	0	0	0	0	55
39.	MUZAFFER NAGAR	22	4	0	0	0	26
40.	NAINITAL	10	0	0	0	0	10
41.	PAURI GARHWAL	0	0	0	0	0	0
42.	PILIBHIT	14	0	0	0	0	14
43.	RAEBARELY	4	0	0	0	0	4
44.	RAMPUR	20	0	0	0	0	20
45.	SANT RAVIDAS NAGAR	23	0	2	2	0	27
46.	SHAHJAHANPUR	3	2	0	0	0	5
47.	SITAPUR	15	0	1	0	0	16
48.	SULTANPUR	91	0	0	0	0	91
49.	UDHAMSINGH NAGAR	15	86	3	1	3	108
50.	VARANASI	80	2	1	0	9	92

* State Total :		2009	861	364	265	120	3619

* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : UTTAR PRADESH

(in Nos.)

According to Water Distribution System							

Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	Total (3 to 7)

1	2	3	4	5	6	7	8

1.	AGRA	5	1	220	169	139	534
2.	ALIGARH	9	1	40	10	0	60
3.	ALLAHABAD	19	9	359	109	4	500
4.	AMBEDKAR NAGAR	0	10	46	48	0	104
5.	AZAMGARH	1	0	38	2	1	42
6.	BADAUN	24	3	552	115	2	696
7.	BAHRAICH	0	0	134	157	0	291
8.	BALLIA	58	4	402	88	17	569
9.	BANDA	19	2	130	35	0	186
10.	BAREILLY	45	9	407	235	0	696
11.	BIJNOR	13	1	335	35	3	387
12.	DEHRADUN	0	0	63	3	2	68
13.	DEORIA	8	5	303	144	10	470
14.	ETAH	4	0	21	2	0	27
15.	ETAWAH	14	2	164	98	3	281

16.	FAIZABAD	0	0	158	50	0	208
17.	FARUKHABAD	1	1	23	12	0	37
18.	FATEHPUR	2	1	173	88	9	273
19.	FIROZABAD	7	0	82	18	1	108
20.	GHAZIABAD	0	0	231	10	2	243
21.	GHAZIPUR	5	2	342	0	0	349
22.	GONDA	8	5	223	150	2	388
23.	GORAKHPUR	13	2	390	186	2	593
24.	HAMIRPUR	15	2	116	4	23	160
25.	HARDOI	11	0	34	9	0	54
26.	HARDWAR	1	0	10	0	0	11
27.	JALAUN	9	2	361	58	6	436
28.	JAUNPUR	0	1	90	29	5	125
29.	JHANSI	0	0	0	2	0	2
30.	KANPUR DEHAT	14	0	503	32	0	549
31.	KANPUR NAGAR	0	0	7	1	0	8
32.	KHIRI	5	1	42	127	0	175
33.	KUSHI NAGAR	0	0	39	2	1	42
34.	LUCKNOW	9	1	18	5	0	33
35.	MAHRAJGANJ	1	3	18	23	2	47
36.	MEERUT	2	3	207	13	0	225
37.	MIRZAPUR	3	0	193	34	4	234
38.	MORADABAD	0	3	65	0	0	68
39.	MUZAFFER NAGAR	10	0	220	35	5	270
40.	NAINITAL	1	0	73	3	0	77
41.	PAURI GARHWAL	0	0	2	0	0	2
42.	PILIBHIT	0	0	4	27	1	32
43.	RAEBARELY	0	0	6	8	0	14
44.	RAMPUR	0	0	105	90	0	195
45.	SANT RAVIDAS NAGAR	10	7	339	79	2	437
46.	SHAHJAHANPUR	3	1	43	50	0	97
47.	SITAPUR	5	5	77	26	0	113
48.	SULTANPUR	0	0	44	47	0	91
49.	UDHAMSINGH NAGAR	5	13	216	104	2	340
50.	VARANASI	37	0	540	98	3	678

* State Total :		396	100	8208	2670	251	11625

* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : UTTAR PRADESH		(in Nos.)			
		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	AGRA	318	88	128	534
2.	ALIGARH	37	9	14	60
3.	ALLAHABAD	368	132	0	500
4.	AMBEDKAR NAGAR	81	2	21	104

5. AZAMGARH	31	7	4	42
6. BADAUN	596	83	17	696
7. BAHRAICH	120	120	51	291
8. BALLIA	365	157	47	569
9. BANDA	131	51	4	186
10. BAREILLY	637	44	15	696
11. BIJNOR	324	53	10	387
12. DEHRADUN	32	32	4	68
13. DEORIA	331	77	62	470
14. ETAH	23	4	0	27
15. ETAWAH	171	53	57	281
16. FAIZABAD	146	52	10	208
17. FARUKHABAD	33	3	1	37
18. FATEHPUR	234	39	0	273
19. FIROZABAD	106	0	2	108
20. GHAZIABAD	70	173	0	243
21. GHAZIPUR	225	123	1	349
22. GONDA	169	196	23	388
23. GORAKHPUR	474	88	31	593
24. HAMIRPUR	129	16	15	160
25. HARDOI	16	33	5	54
26. HARDWAR	7	2	2	11
27. JALAUN	359	38	39	436
28. JAUNPUR	93	19	13	125
29. JHANSI	2	0	0	2
30. KANPUR DEHAT	461	59	29	549
31. KANPUR NAGAR	8	0	0	8
32. KHIRI	117	47	11	175
33. KUSHI NAGAR	28	11	3	42
34. LUCKNOW	20	13	0	33
35. MAHRAJGANJ	17	8	22	47
36. MEERUT	144	26	55	225
37. MIRZAPUR	174	41	19	234
38. MORADABAD	55	13	0	68
39. MUZAFFER NAGAR	214	32	24	270
40. NAINITAL	62	15	0	77
41. PAURI GARHWAL	0	0	2	2
42. PILIBHIT	30	1	1	32
43. RAEBARELY	14	0	0	14
44. RAMPUR	165	0	30	195
45. SANT RAVIDAS NAGAR	388	35	14	437
46. SHAHJAHANPUR	76	18	3	97
47. SITAPUR	91	14	8	113
48. SULTANPUR	82	5	4	91
49. UDHAMSINGH NAGAR	227	65	48	340
50. VARANASI	620	39	19	678

* State Total :	8621	2136	868	11625

* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : UTTAR PRADESH

(in Nos.)

According to horse power of lifting devices						
Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
1.	AGRA	3	208	0	323	534
2.	ALIGARH	6	4	45	5	60
3.	ALLAHABAD	4	14	64	418	500
4.	AMBEDKAR NAGAR	0	3	96	5	104
5.	AZAMGARH	1	4	33	4	42
6.	BADAUN	16	206	354	120	696
7.	BAHRAICH	8	29	233	21	291
8.	BALLIA	16	102	321	130	569
9.	BANDA	5	63	28	90	186
10.	BAREILLY	17	139	488	52	696
11.	BIJNOR	10	135	88	154	387
12.	DEHRADUN	3	18	6	41	68
13.	DEORIA	16	66	297	91	470
14.	ETAH	7	3	14	3	27
15.	ETAWAH	10	83	26	162	281
16.	FAIZABAD	10	2	121	75	208
17.	FARUKHABAD	4	0	3	30	37
18.	FATEHPUR	1	13	37	222	273
19.	FIROZABAD	7	3	6	92	108
20.	GHAZIABAD	0	1	216	26	243
21.	GHAZIPUR	226	112	9	2	349
22.	GONDA	7	190	128	63	388
23.	GORAKHPUR	22	21	345	205	593
24.	HAMIRPUR	0	46	54	60	160
25.	HARDOI	1	33	17	3	54
26.	HARDWAR	1	2	3	5	11
27.	JALAUN	3	101	66	266	436
28.	JAUNPUR	3	9	23	90	125
29.	JHANSI	0	2	0	0	2
30.	KANPUR DEHAT	4	107	178	260	549
31.	KANPUR NAGAR	0	0	0	8	8
32.	KHIRI	3	19	144	9	175
33.	KUSHI NAGAR	2	1	38	1	42
34.	LUCKNOW	0	14	10	9	33
35.	MAHRAJGANJ	4	2	40	1	47
36.	MEERUT	1	38	129	57	225
37.	MIRZAPUR	1	22	26	185	234
38.	MORADABAD	0	3	65	0	68
39.	MUZAFFER NAGAR	6	9	102	153	270
40.	NAINITAL	0	1	0	76	77
41.	PAURI GARHWAL	0	0	0	2	2
42.	PILIBHIT	0	1	31	0	32
43.	RAEBARELY	0	0	3	11	14
44.	RAMPUR	5	0	65	125	195
45.	SANT RAVIDAS NAGAR	15	7	58	357	437
46.	SHAHJAHANPUR	5	27	42	23	97
47.	SITAPUR	1	24	57	31	113
48.	SULTANPUR	6	2	11	72	91
49.	UDHAMSINGH NAGAR	71	69	174	26	340
50.	VARANASI	26	37	76	539	678
* State Total :		557	1995	4370	4703	11625

* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : UTTAR PRADESH		(in Nos.)			
		Location of Tubewells			
Sl. No.	Name of District	On the Command	Outside Command	Augmen- tation	Total (3 to 5)
1	2	3	4	5	6
1.	AGRA	2	532	0	534
2.	ALIGARH	12	47	1	60
3.	ALLAHABAD	146	354	0	500
4.	AMBEDKAR NAGAR	49	55	0	104
5.	AZAMGARH	8	34	0	42
6.	BADAUN	108	587	1	696
7.	BAHRAICH	38	253	0	291
8.	BALLIA	188	344	37	569
9.	BANDA	86	100	0	186
10.	BAREILLY	73	623	0	696
11.	BIJNOR	145	242	0	387
12.	DEHRADUN	8	60	0	68
13.	DEORIA	159	311	0	470
14.	ETAH	2	24	1	27
15.	ETAWAH	158	123	0	281
16.	FAIZABAD	76	132	0	208
17.	FARUKHABAD	19	18	0	37
18.	FATEHPUR	51	222	0	273
19.	FIROZABAD	51	57	0	108
20.	GHAZIABAD	0	243	0	243
21.	GHAZIPUR	15	333	1	349
22.	GONDA	212	176	0	388
23.	GORAKHPUR	257	336	0	593
24.	HAMIRPUR	32	128	0	160
25.	HARDOI	18	36	0	54
26.	HARDWAR	6	5	0	11
27.	JALAUN	145	291	0	436
28.	JAUNPUR	50	75	0	125
29.	JHANSI	1	1	0	2
30.	KANPUR DEHAT	286	263	0	549
31.	KANPUR NAGAR	8	0	0	8
32.	KHIRI	53	122	0	175
33.	KUSHI NAGAR	19	23	0	42
34.	LUCKNOW	7	26	0	33
35.	MAHRAJGANJ	0	47	0	47
36.	MEERUT	94	131	0	225
37.	MIRZAPUR	91	143	0	234
38.	MORADABAD	60	8	0	68
39.	MUZAFFER NAGAR	35	235	0	270
40.	NAINITAL	11	66	0	77
41.	PAURI GARHWAL	0	2	0	2

42.	PILIBHIT	3	29	0	32
43.	RAEBARELY	5	9	0	14
44.	RAMPUR	15	180	0	195
45.	SANT RAVIDAS NAGAR	186	251	0	437
46.	SHAHJAHANPUR	16	80	1	97
47.	SITAPUR	49	64	0	113
48.	SULTANPUR	11	80	0	91
49.	UDHAMSINGH NAGAR	80	260	0	340
50.	VARANASI	375	303	0	678

* State Total :		3519	8064	42	11625

* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : UTTAR PRADESH

(in Nos.)

According to Average Pumping Hours during peak season								

Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)

1	2	3	4	5	6	7	8	9

1.	AGRA	56	326	146	2	4	0	534
2.	ALIGARH	23	27	9	1	0	0	60
3.	ALLAHABAD	18	238	156	67	21	0	500
4.	AMBEDKAR NAGAR	4	29	69	2	0	0	104
5.	AZAMGARH	0	24	15	3	0	0	42
6.	BADAUN	13	325	297	52	9	0	696
7.	BAHRAICH	12	72	161	22	24	0	291
8.	BALLIA	65	180	253	50	15	6	569
9.	BANDA	48	117	16	4	1	0	186
10.	BAREILLY	8	245	420	8	10	5	696
11.	BIJNOR	37	300	38	8	3	1	387
12.	DEHRADUN	6	23	13	7	19	0	68
13.	DEORIA	24	233	153	35	25	0	470
14.	ETAH	3	14	10	0	0	0	27
15.	ETAWAH	43	129	71	24	14	0	281
16.	FAIZABAD	59	54	93	1	1	0	208
17.	FARUKHABAD	0	17	17	3	0	0	37
18.	FATEHPUR	4	154	110	1	2	2	273
19.	FIROZABAD	15	19	71	3	0	0	108
20.	GHAZIABAD	2	241	0	0	0	0	243
21.	GHAZIPUR	1	42	141	72	66	27	349
22.	GONDA	97	140	116	23	8	4	388
23.	GORAKHPUR	21	181	367	23	1	0	593
24.	HAMIRPUR	12	27	69	43	9	0	160
25.	HARDOI	21	23	7	3	0	0	54
26.	HARDWAR	3	2	6	0	0	0	11
27.	JALAUN	16	165	120	92	43	0	436
28.	JAUNPUR	3	61	52	8	1	0	125
29.	JHANSI	0	2	0	0	0	0	2
30.	KANPUR DEHAT	13	239	200	74	22	1	549

31.	KANPUR NAGAR	0	0	8	0	0	0	8
32.	KHIRI	8	114	45	6	2	0	175
33.	KUSHI NAGAR	7	27	4	2	2	0	42
34.	LUCKNOW	3	9	11	9	1	0	33
35.	MAHRAJGANJ	1	31	15	0	0	0	47
36.	MEEERUT	32	93	94	5	1	0	225
37.	MIRZAPUR	16	117	90	5	2	4	234
38.	MORADABAD	0	21	23	0	24	0	68
39.	MUZAFFER NAGAR	11	226	33	0	0	0	270
40.	NAINITAL	2	1	11	24	39	0	77
41.	PAURI GARHWAL	0	0	0	2	0	0	2
42.	PILIBHIT	0	28	3	1	0	0	32
43.	RAEBARELY	0	5	5	3	1	0	14
44.	RAMPUR	0	165	30	0	0	0	195
45.	SANT RAVIDAS NAGAR	6	132	279	20	0	0	437
46.	SHAHJAHANPUR	15	51	26	5	0	0	97
47.	SITAPUR	28	68	10	1	3	3	113
48.	SULTANPUR	8	48	30	5	0	0	91
49.	UDHAMSINGH NAGAR	6	135	102	65	31	1	340
50.	VARANASI	17	240	274	117	25	5	678

* State Total : 787 5160 4289 901 429 59 11625

* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.12 Average length of Water Conveyance Channel

State : UTTAR PRADESH

(in Mts.)

Sl. No.	Name of District	Total Number of Schemes	Average length of channels		
			Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	AGRA	534	200	191	364
2.	ALIGARH	60	111	113	79
3.	ALLAHABAD	500	190	183	47
4.	AMBEDKAR NAGAR	104	168	129	30
5.	AZAMGARH	42	426	224	10
6.	BADAUN	696	237	189	214
7.	BAHRAICH	291	139	138	102
8.	BALLIA	569	140	132	44
9.	BANDA	186	46	209	178
10.	BAREILLY	696	275	127	251
11.	BIJNOR	387	222	219	55
12.	DEHRADUN	68	193	208	1
13.	DEORIA	470	134	130	50
14.	ETAH	27	54	170	11
15.	ETAWAH	281	98	133	208
16.	FAIZABAD	208	273	111	22
17.	FARUKHABAD	37	184	135	113
18.	FATEHPUR	273	89	332	99
19.	FIROZABAD	108	279	206	152

20.	GHAZIABAD	243	664	9	120
21.	GHAZIPUR	349	264	111	0
22.	GONDA	388	140	125	65
23.	GORAKHPUR	593	171	126	74
24.	HAMIRPUR	160	66	173	34
25.	HARDOI	54	473	232	243
26.	HARDWAR	11	205	210	0
27.	JALAUN	436	106	87	64
28.	JAUNPUR	125	323	271	62
29.	JHANSI	2	0	0	300
30.	KANPUR DEHAT	549	105	239	95
31.	KANPUR NAGAR	8	158	129	76
32.	KHIRI	175	125	199	112
33.	KUSHI NAGAR	42	355	208	46
34.	LUCKNOW	33	326	154	107
35.	MAHRAJGANJ	47	162	197	247
36.	MEERUT	225	197	66	47
37.	MIRZAPUR	234	246	150	138
38.	MORADABAD	68	166	203	49
39.	MUZAFFER NAGAR	270	239	146	23
40.	NAINITAL	77	543	284	47
41.	PAURI GARHWAL	2	2	0	0
42.	PILIBHIT	32	119	171	118
43.	RAEBARELY	14	179	234	289
44.	RAMPUR	195	114	71	192
45.	SANT RAVIDAS NAGAR	437	249	237	47
46.	SHAHJAHANPUR	97	154	121	147
47.	SITAPUR	113	212	181	123
48.	SULTANPUR	91	87	70	143
49.	UDHAMSINGH NAGAR	340	136	269	261
50.	VARANASI	678	257	203	52

* State Average:		11625	204	169	113

* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.13 Culturable Command Area and Potential Created

State : UTTAR PRADESH		(in Ha.)					
Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				
			Khariif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7	8
1.	AGRA	48350	13865	45152	3224	2599	64840
2.	ALIGARH	2133	1137	1713	256	106	3212
3.	ALLAHABAD	28757	22675	14754	3269	1156	41854
4.	AMBEDKAR NAGAR	2290	4479	3656	700	298	9133
5.	AZAMGARH	2948	1100	2199	528	448	4275
6.	BADAUN	55680	29232	28536	0	0	57768
7.	BAHRAICH	22944	11631	24853	1637	1318	39439
8.	BALLIA	42113	17544	26829	1565	4995	50933
9.	BANDA	22731	4452	17695	360	283	22790

10.	BAREILLY	56931	34966	34112	6342	2992	78412
11.	BIJNOR	13336	7404	7390	5909	526	21229
12.	DEHRADUN	6007	3784	3701	365	664	8514
13.	DEORIA	34529	15355	20368	7753	1964	45440
14.	ETAH	151	197	256	121	15	589
15.	ETAWAH	20588	8565	10633	1124	265	20587
16.	FAIZABAD	11075	13440	12843	6080	1776	34139
17.	FARUKHABAD	185	111	74	0	0	185
18.	FATEHPUR	13625	6875	7987	801	778	16441
19.	FIROZABAD	12478	3305	8392	799	2327	14823
20.	GHAZIABAD	16510	8057	8869	0	6570	23496
21.	GHAZIPUR	1579	1535	2343	22	53	3953
22.	GONDA	22138	9453	13931	5339	1162	29885
23.	GORAKHPUR	28486	12856	20726	14938	1095	49615
24.	HAMIRPUR	6093	678	5926	20	25	6649
25.	HARDOI	1435	817	1465	1203	59	3544
26.	HARDWAR	233	153	148	61	0	362
27.	JALAUN	24441	4514	21301	452	300	26567
28.	JAUNPUR	8365	4009	5350	575	390	10324
29.	JHANSI	250	50	200	0	0	250
30.	KANPUR DEHAT	22207	6181	16049	6904	1110	30244
31.	KANPUR NAGAR	1592	490	782	150	170	1592
32.	KHIRI	16690	6610	7677	4889	1077	20253
33.	KUSHI NAGAR	3173	1688	1766	876	233	4563
34.	LUCKNOW	1422	415	815	120	182	1532
35.	MAHRAJGANJ	4012	1695	1911	1003	274	4883
36.	MEERUT	33250	13212	12131	7045	864	33252
37.	MIRZAPUR	14335	3785	8422	1650	479	14336
38.	MORADABAD	3434	3177	3635	1242	578	8632
39.	MUZAFFER NAGAR	17943	9365	9917	7080	3070	29432
40.	NAINITAL	3857	2729	2780	61	23	5593
41.	PAURI GARHWAL	143	120	178	0	0	298
42.	PILIBHIT	2489	1540	1560	839	10	3949
43.	RAEBARELY	660	217	537	292	14	1060
44.	RAMPUR	20850	8875	9425	2900	2450	23650
45.	SANT RAVIDAS NAGAR	24045	9455	17015	1985	3409	31864
46.	SHAHJAHANPUR	9528	6009	6978	451	2383	15821
47.	SITAPUR	11720	5713	6942	3030	892	16577
48.	SULTANPUR	12451	4989	5174	2021	268	12452
49.	UDHAMSINGH NAGAR	17934	10613	10886	2705	510	24714
50.	VARANASI	41316	21204	25834	4720	2985	54743
* State Total :		769432	360321	501816	113406	53145	1028688

* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : UTTAR PRADESH

(in Ha.)

Sl. No.	Name of District	Actual Area Irrigated during 1993-94				
		Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7

1.	AGRA	9664	28501	3038	2416	43619
2.	ALIGARH	1088	1080	41	57	2266
3.	ALLAHABAD	7856	11835	2048	931	22670
4.	AMBEDKAR NAGAR	484	451	128	47	1110
5.	AZAMGARH	648	1250	421	113	2432
6.	BADAUN	27840	27144	0	0	54984
7.	BAHRAICH	8402	20926	1323	806	31457
8.	BALLIA	14376	22741	932	1024	39073
9.	BANDA	4452	17695	360	283	22790
10.	BAREILLY	26927	27484	2271	357	57039
11.	BIJNOR	6661	6540	5221	452	18874
12.	DEHRADUN	2321	2570	347	542	5780
13.	DEORIA	10873	14259	3407	773	29312
14.	ETAH	81	159	89	11	340
15.	ETAWAH	7347	9351	988	214	17900
16.	FAIZABAD	5511	3471	1267	618	10867
17.	FARUKHABAD	111	74	0	0	185
18.	FATEHPUR	2711	6332	979	550	10572
19.	FIROZABAD	2634	7752	473	764	11623
20.	GHAZIABAD	5849	6621	0	726	13196
21.	GHAZIPUR	0	0	10	0	10
22.	GONDA	5613	9277	3534	795	19219
23.	GORAKHPUR	10654	18637	13243	894	43428
24.	HAMIRPUR	290	5132	18	19	5459
25.	HARDOI	555	873	801	23	2252
26.	HARDWAR	140	119	60	0	319
27.	JALAUN	3292	18908	273	136	22609
28.	JAUNPUR	3106	4258	472	319	8155
29.	JHANSI	40	180	0	0	220
30.	KANPUR DEHAT	5542	15185	5436	496	26659
31.	KANPUR NAGAR	490	782	150	170	1592
32.	KHIRI	4863	5482	2813	566	13724
33.	KUSHI NAGAR	622	667	293	43	1625
34.	LUCKNOW	224	446	74	24	768
35.	MAHRAJGANJ	1397	1617	487	157	3658
36.	MEERUT	9224	8372	5185	713	23494
37.	MIRZAPUR	3139	6640	1394	326	11499
38.	MORADABAD	2573	3035	1006	578	7192
39.	MUZAFFER NAGAR	8468	7586	5381	332	21767
40.	NAINITAL	2247	2178	55	23	4503
41.	PAURI GARHWAL	104	187	0	0	291
42.	PILIBHIT	1145	1165	594	10	2914
43.	RAEBARELY	93	327	210	8	638
44.	RAMPUR	7250	7775	1950	2175	19150
45.	SANT RAVIDAS NAGAR	6666	13488	1372	1263	22789
46.	SHAHJAHANPUR	4572	5415	444	1375	11806
47.	SITAPUR	3242	5003	1969	576	10790
48.	SULTANPUR	1614	2211	1842	147	5814
49.	UDHAMSINGH NAGAR	9647	10127	2615	462	22851
50.	VARANASI	17224	21665	3726	2433	45048

* State Total :		259872	392973	78740	24747	756332

* Data in respect of the remaining 18 Districts are NIL.

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

State : UTTAR PRADESH

(in Ha.)

Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perennial	Others	Total
1	2	3	4	5	6	7
1.	AGRA	3	0	0	2	5
2.	ALIGARH	0	0	0	0	0
3.	ALLAHABAD	273	345	170	61	849
4.	AMBEDKAR NAGAR	0	0	0	0	0
5.	AZAMGARH	6	7	13	0	26
6.	BADAUN	0	0	0	0	0
7.	BAHRAICH	60	35	60	0	155
8.	BALLIA	329	743	50	81	1203
9.	BANDA	150	225	0	10	385
10.	BAREILLY	0	0	0	0	0
11.	BIJNOR	11	15	20	10	56
12.	DEHRADUN	104	142	0	10	256
13.	DEORIA	1739	2606	107	33	4485
14.	ETAH	0	0	0	0	0
15.	ETAWAH	361	475	292	60	1188
16.	FAIZABAD	0	0	0	0	0
17.	FARUKHABAD	0	0	0	0	0
18.	FATEHPUR	6	3	0	0	9
19.	FIROZABAD	2220	5945	425	717	9307
20.	GHAZIABAD	0	0	0	0	0
21.	GHAZIPUR	0	0	0	0	0
22.	GONDA	309	360	181	0	850
23.	GORAKHPUR	707	1304	888	19	2918
24.	HAMIRPUR	2	1759	0	0	1761
25.	HARDOI	45	117	4	10	176
26.	HARDWAR	70	62	5	0	137
27.	JALAUN	236	5866	46	21	6169
28.	JAUNPUR	265	440	2	44	751
29.	JHANSI	0	0	0	0	0
30.	KANPUR DEHAT	1184	1777	257	180	3398
31.	KANPUR NAGAR	0	0	0	0	0
32.	KHIRI	263	94	104	1	462
33.	KUSHI NAGAR	166	158	83	2	409
34.	LUCKNOW	21	30	7	6	64
35.	MAHRAJGANJ	4	0	0	0	4
36.	MEERUT	2464	1764	695	142	5065
37.	MIRZAPUR	955	1775	375	46	3151
38.	MORADABAD	360	440	560	140	1500
39.	MUZAFFER NAGAR	4	3	0	0	7
40.	NAINITAL	0	0	0	0	0
41.	PAURI GARHWAL	0	0	0	0	0
42.	PILIBHIT	50	40	20	0	110
43.	RAEBARELY	0	0	0	0	0
44.	RAMPUR	0	0	0	0	0
45.	SANT RAVIDAS NAGAR	491	1001	197	83	1772
46.	SHAHJAHANPUR	0	0	0	0	0
47.	SITAPUR	137	344	289	20	790
48.	SULTANPUR	566	825	431	247	2069

49.	UDHAMSINGH NAGAR	123	110	183	0	416
50.	VARANASI	2245	3183	414	145	5987

* State Total :	15929	31993	5878	2090	55890
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* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : UTTAR PRADESH

(in Nos.)

Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'nts	Constraints in utilisation of Irri. Pot. Created					Grand Total
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason	Total (5 to 8)	
1	2	3	4	5	6	7	8	9	10
1.	AGRA	534	0	138	95	11	290	534	534
2.	ALIGARH	58	0	17	0	0	41	58	58
3.	ALLAHABAD	485	0	140	29	60	256	485	485
4.	AMBEDKAR NAGAR	19	19	0	0	0	0	0	19
5.	AZAMGARH	42	0	27	4	0	11	42	42
6.	BADAUN	696	0	0	0	0	696	696	696
7.	BAHRAICH	280	174	57	0	4	45	106	280
8.	BALLIA	553	0	175	22	7	349	553	553
9.	BANDA	186	0	84	7	40	55	186	186
10.	BAREILLY	687	0	41	2	0	644	687	687
11.	BIJNOR	368	0	59	3	9	297	368	368
12.	DEHRADUN	60	0	8	5	9	38	60	60
13.	DEORIA	432	0	15	0	0	417	432	432
14.	ETAH	25	0	1	0	0	24	25	25
15.	ETAWAH	265	0	18	1	0	246	265	265
16.	FAIZABAD	90	28	0	22	40	0	62	90
17.	FARUKHABAD	37	0	4	0	0	33	37	37
18.	FATEHPUR	260	0	124	6	0	130	260	260
19.	FIROZABAD	108	0	50	1	9	48	108	108
20.	GHAZIABAD	243	0	243	0	0	0	243	243
21.	GHAZIPUR	346	334	12	0	0	0	12	346
22.	GONDA	306	134	72	58	9	33	172	306
23.	GORAKHPUR	584	0	541	2	4	37	584	584
24.	HAMIRPUR	158	0	95	11	0	52	158	158
25.	HARDOI	54	0	2	0	0	52	54	54
26.	HARDWAR	11	1	0	0	0	10	10	11
27.	JALAUN	430	0	83	42	62	243	430	430
28.	JAUNPUR	119	0	55	6	1	57	119	119
29.	JHANSI	2	0	0	1	1	0	2	2
30.	KANPUR DEHAT	545	0	515	11	4	15	545	545
31.	KANPUR NAGAR	8	0	8	0	0	0	8	8
32.	KHIRI	172	0	49	1	1	121	172	172
33.	KUSHI NAGAR	38	0	7	0	0	31	38	38
34.	LUCKNOW	33	0	5	2	1	25	33	33
35.	MAHRAJGANJ	43	0	2	0	0	41	43	43
36.	MEERUT	205	1	186	0	2	16	204	205

37.	MIRZAPUR	228	0	158	4	1	65	228	228
38.	MORADABAD	68	0	7	0	0	61	68	68
39.	MUZAFFER NAGAR	262	0	212	1	0	49	262	262
40.	NAINITAL	71	0	15	0	10	46	71	71
41.	PAURI GARHWAL	2	0	1	0	0	1	2	2
42.	PILIBHIT	30	0	1	0	0	29	30	30
43.	RAEBARELY	13	0	12	1	0	0	13	13
44.	RAMPUR	195	0	60	50	0	85	195	195
45.	SANT RAVIDAS NAGAR	428	0	377	8	4	39	428	428
46.	SHAHJAHANPUR	95	41	24	1	0	29	54	95
47.	SITAPUR	111	0	37	4	1	69	111	111
48.	SULTANPUR	67	44	6	11	1	5	23	67
49.	UDHAMSINGH NAGAR	328	0	28	4	24	272	328	328
50.	VARANASI	672	0	393	58	9	212	672	672

* State Total :		11052	776	4164	473	324	5315	10276	11052

* Data in respect of the remaining 18 Districts are NIL.

MINOR IRRIGATION CENSUS (1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.1 Construction of Deep Tubewells over the year

State : WEST BENGAL

(in Nos.)

Construction of Deep Tubewells over the years										
Sl. No.	Name of District	Upto 1986-87	During 1987-88	During 1988-89	During 1989-90	During 1990-91	During 1991-92	During 1992-93	During 1993-94	Total (3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	BANKURA	73	1	3	3	4	4	6	9	103
2.	BIRBHUM	51	0	0	1	3	12	7	8	82
3.	BURDWAN	340	11	12	10	22	27	32	58	512
4.	COOCHBEHAR	44	1	4	1	6	1	0	16	73
5.	DAKSHIN DINAJPUR	56	0	4	4	0	12	4	20	100
6.	DARJEELING	6	5	3	0	1	1	0	4	20
7.	HOOGLY	344	7	8	4	5	5	21	37	431
8.	HOWRAH	106	5	0	3	0	2	2	29	147
9.	JALPAIGURI	52	3	5	19	11	5	6	13	114
10.	MALDA	136	22	3	4	9	34	33	30	271
11.	MIDNAPORE	278	21	13	14	19	27	22	47	441
12.	MURSHIDABAD	412	19	13	8	11	17	35	30	545
13.	NADIA	572	17	7	4	22	18	28	45	713
14.	NORTH 24 PARGANAS	235	9	2	5	5	5	11	10	282
15.	SOUTH 24 PARGANAS	6	0	0	0	2	5	6	12	31
16.	UTTAR DINAJPUR	76	4	5	0	2	20	28	39	174

* State Total :		2787	125	82	80	122	195	241	407	4039

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.2 Distribution according to ownership

State : WEST BENGAL

(in Nos.)

Sl. No.	Name of District	Tubewells Owned by						Total (3 to 8)
		Govt. Owned	Coop. Societies	Panchayat Owned	Group of farmers	Individual farmers	Others	
1	2	3	4	5	6	7	8	9
1.	BANKURA	103	0	0	0	0	0	103
2.	BIRBHUM	82	0	0	0	0	0	82
3.	BURDWAN	512	0	0	0	0	0	512
4.	COOCHBEHAR	73	0	0	0	0	0	73
5.	DAKSHIN DINAJPUR	100	0	0	0	0	0	100
6.	DARJEELING	1	0	0	0	0	19	20
7.	HOOGLY	431	0	0	0	0	0	431
8.	HOWRAH	147	0	0	0	0	0	147
9.	JALPAIGURI	48	0	5	1	0	60	114
10.	MALDA	271	0	0	0	0	0	271
11.	MIDNAPORE	441	0	0	0	0	0	441
12.	MURSHIDABAD	545	0	0	0	0	0	545
13.	NADIA	713	0	0	0	0	0	713
14.	NORTH 24 PARGANAS	282	0	0	0	0	0	282
15.	SOUTH 24 PARGANAS	31	0	0	0	0	0	31
16.	UTTAR DINAJPUR	174	0	0	0	0	0	174
* State Total :		3954	0	5	1	0	79	4039

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.3 Distribution of Tubewells according to the holding size

State : WEST BENGAL

(in Nos.)

According to Farmers' Holding size						
Sl. No.	Name of District	Marginal (0-1 ha)	Small (1-2 ha)	Medium (2-10 ha)	Big (>10 ha)	Total (3 to 6)
1	2	3	4	5	6	7
1.	BANKURA	0	0	0	0	0
2.	BIRBHUM	0	0	0	0	0
3.	BURDWAN	0	0	0	0	0
4.	COOCHBEHAR	0	0	0	0	0
5.	DAKSHIN DINAJPUR	0	0	0	0	0
6.	DARJEELING	0	0	0	0	0
7.	HOOGLY	0	0	0	0	0
8.	HOWRAH	0	0	0	0	0
9.	JALPAIGURI	0	0	0	1	1
10.	MALDA	0	0	0	0	0

11.	MIDNAPORE	0	0	0	0	0
12.	MURSHIDABAD	0	0	0	0	0
13.	NADIA	0	0	0	0	0
14.	NORTH 24 PARGANAS	0	0	0	0	0
15.	SOUTH 24 PARGANAS	0	0	0	0	0
16.	UTTAR DINAJPUR	0	0	0	0	0

 * State Total : 0 0 0 1 1

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.4 Distribution of Tubewells according to social status

State : WEST BENGAL

(in Nos.)

Sl. No.	Name of District	According to Social Status of farmers				Owned by other than ind./group of farmers	Grand Total (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	BANKURA	0	0	0	0	103	103
2.	BIRBHUM	0	0	0	0	82	82
3.	BURDWAN	0	0	0	0	512	512
4.	COOCHBEHAR	0	0	0	0	73	73
5.	DAKSHIN DINAJPUR	0	0	0	0	100	100
6.	DARJEELING	0	0	0	0	20	20
7.	HOOGLY	0	0	0	0	431	431
8.	HOWRAH	0	0	0	0	147	147
9.	JALPAIGURI	0	0	1	1	113	114
10.	MALDA	0	0	0	0	271	271
11.	MIDNAPORE	0	0	0	0	441	441
12.	MURSHIDABAD	0	0	0	0	545	545
13.	NADIA	0	0	0	0	713	713
14.	NORTH 24 PARGANAS	0	0	0	0	282	282
15.	SOUTH 24 PARGANAS	0	0	0	0	31	31
16.	UTTAR DINAJPUR	0	0	0	0	174	174
* State Total :		0	0	1	1	4038	4039

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.5 Distribution of Tubewells by its status

State : WEST BENGAL

(in Nos.)

Sl. No.	Name of District	T'wells In Use	Tubewells Not in Use			Total (4 to 7)	Grand Total (3 + 8)
			Temporary	Dried up	Destroyed Others		

1	2	3	4	5	6	7	8	9
1.	BANKURA	82	15	1	3	2	21	103
2.	BIRBHUM	44	36	0	1	1	38	82
3.	BURDWAN	476	26	8	0	2	36	512
4.	COOCHBEHAR	45	28	0	0	0	28	73
5.	DAKSHIN DINAJPUR	89	8	1	0	2	11	100
6.	DARJEELING	19	0	0	1	0	1	20
7.	HOOGLY	402	10	5	6	8	29	431
8.	HOWRAH	135	10	0	0	2	12	147
9.	JALPAIGURI	104	8	0	0	2	10	114
10.	MALDA	242	26	0	0	3	29	271
11.	MIDNAPORE	354	63	2	8	14	87	441
12.	MURSHIDABAD	451	76	14	4	0	94	545
13.	NADIA	646	48	0	3	16	67	713
14.	NORTH 24 PARGANAS	265	14	2	1	0	17	282
15.	SOUTH 24 PARGANAS	22	8	1	0	0	9	31
16.	UTTAR DINAJPUR	133	35	0	0	6	41	174
* State Total :		3509	411	34	27	58	530	4039

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.6 Distribution of Tubewells according to Finance source

State : WEST BENGAL

(in Nos.)

		Source of Finance for constructing Tubewells					
Sl. No.	Name of District	Govt. Funds	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	BANKURA	0	0	0	0	0	0
2.	BIRBHUM	0	0	0	0	0	0
3.	BURDWAN	0	0	0	0	0	0
4.	COOCHBEHAR	0	0	0	0	0	0
5.	DAKSHIN DINAJPUR	0	0	0	0	0	0
6.	DARJEELING	0	0	0	0	19	19
7.	HOOGLY	0	0	0	0	0	0
8.	HOWRAH	0	0	0	0	0	0
9.	JALPAIGURI	9	9	2	0	46	66
10.	MALDA	0	0	0	0	0	0
11.	MIDNAPORE	0	0	0	0	0	0
12.	MURSHIDABAD	0	0	0	0	0	0
13.	NADIA	0	0	0	0	0	0
14.	NORTH 24 PARGANAS	0	0	0	0	0	0
15.	SOUTH 24 PARGANAS	0	0	0	0	0	0
16.	UTTAR DINAJPUR	0	0	0	0	0	0
* State Total :		9	9	2	0	65	85

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.7 Tubewells according to water distribution system

State : WEST BENGAL		(in Nos.)					
		According to Water Distribution System					
Sl. No.	Name of District	Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	Others	Total (3 to 7)
1	2	3	4	5	6	7	8
1.	BANKURA	0	0	11	92	0	103
2.	BIRBHUM	0	0	10	72	0	82
3.	BURDWAN	0	1	39	472	0	512
4.	COOCHBEHAR	1	0	2	70	0	73
5.	DAKSHIN DINAJPUR	0	0	7	89	4	100
6.	DARJEELING	19	0	1	0	0	20
7.	HOOGLY	4	0	19	407	1	431
8.	HOWRAH	0	0	3	144	0	147
9.	JALPAIGURI	35	0	10	68	1	114
10.	MALDA	0	0	4	267	0	271
11.	MIDNAPORE	1	1	53	385	1	441
12.	MURSHIDABAD	0	0	8	536	1	545
13.	NADIA	1	55	63	593	1	713
14.	NORTH 24 PARGANAS	0	0	27	254	1	282
15.	SOUTH 24 PARGANAS	0	0	3	28	0	31
16.	UTTAR DINAJPUR	0	0	8	166	0	174
* State Total :		61	57	268	3643	10	4039

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.8 Distribution of Tubewells according to lifting device

State : WEST BENGAL		(in Nos.)			
		According to Water Lifting Devices			
Sl. No.	Name of District	Submersible Pumps	Turbine Pumps	Others	Total (3+4+5)
1	2	3	4	5	6
1.	BANKURA	82	12	9	103
2.	BIRBHUM	82	0	0	82
3.	BURDWAN	485	18	9	512
4.	COOCHBEHAR	63	10	0	73
5.	DAKSHIN DINAJPUR	94	6	0	100
6.	DARJEELING	16	0	4	20
7.	HOOGLY	337	87	7	431
8.	HOWRAH	146	1	0	147

9. JALPAIGURI	63	48	3	114
10. MALDA	244	19	8	271
11. MIDNAPORE	392	29	20	441
12. MURSHIDABAD	367	163	15	545
13. NADIA	523	189	1	713
14. NORTH 24 PARGANAS	217	56	9	282
15. SOUTH 24 PARGANAS	26	0	5	31
16. UTTAR DINAJPUR	174	0	0	174

* State Total :	3311	638	90	4039

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.9 Distribution of Tubewells according to horse power

State : WEST BENGAL		(in Nos.)				
		According to horse power of lifting devices				
Sl. No.	Name of District	0-6 hp	6-12 hp	12-18 hp	Above 18 hp	Total (3 to 6)
1	2	3	4	5	6	7
1.	BANKURA	0	2	79	22	103
2.	BIRBHUM	0	1	70	11	82
3.	BURDWAN	0	6	251	255	512
4.	COOCHBEHAR	0	0	17	56	73
5.	DAKSHIN DINAJPUR	0	0	58	42	100
6.	DARJEELING	0	0	1	19	20
7.	HOOGLY	0	0	219	212	431
8.	HOWRAH	0	0	107	40	147
9.	JALPAIGURI	0	0	40	74	114
10.	MALDA	0	0	147	124	271
11.	MIDNAPORE	0	4	179	258	441
12.	MURSHIDABAD	0	0	318	227	545
13.	NADIA	0	6	502	205	713
14.	NORTH 24 PARGANAS	0	0	146	136	282
15.	SOUTH 24 PARGANAS	0	0	26	5	31
16.	UTTAR DINAJPUR	0	0	65	109	174
* State Total :		0	19	2225	1795	4039

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.10 Deep Tubewells in the Major/Medium Irri. Command

State : WEST BENGAL		(in Nos.)			

		Location of Tubewells			

Sl. No.	Name of District	On the Command	Outside Command	Augmen- tation	Total (3 to 5)

1	2	3	4	5	6
1.	BANKURA	3	100	0	103
2.	BIRBHUM	4	78	0	82
3.	BURDWAN	55	457	0	512
4.	COOCHBEHAR	27	46	0	73
5.	DAKSHIN DINAJPUR	1	99	0	100
6.	DARJEELING	0	20	0	20
7.	HOOGLY	10	421	0	431
8.	HOWRAH	3	144	0	147
9.	JALPAIGURI	8	106	0	114
10.	MALDA	0	271	0	271
11.	MIDNAPORE	29	412	0	441
12.	MURSHIDABAD	226	319	0	545
13.	NADIA	92	621	0	713
14.	NORTH 24 PARGANAS	24	258	0	282
15.	SOUTH 24 PARGANAS	3	28	0	31
16.	UTTAR DINAJPUR	3	171	0	174
* State Total :		488	3551	0	4039

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.11 Distribution of Tubewells according to Average Pumping Hours

State : WEST BENGAL

(in Nos.)

		According to Average Pumping Hours during peak season							
Sl. No.	Name of District	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (3 to 8)	
1	2	3	4	5	6	7	8	9	
1.	BANKURA	5	55	40	2	1	0	103	
2.	BIRBHUM	0	34	38	4	6	0	82	
3.	BURDWAN	31	120	211	115	35	0	512	
4.	COOCHBEHAR	3	32	38	0	0	0	73	
5.	DAKSHIN DINAJPUR	2	3	57	24	14	0	100	
6.	DARJEELING	2	12	6	0	0	0	20	
7.	HOOGLY	6	69	151	114	91	0	431	
8.	HOWRAH	4	39	82	10	12	0	147	
9.	JALPAIGURI	1	32	63	11	6	1	114	
10.	MALDA	11	71	95	82	12	0	271	
11.	MIDNAPORE	3	40	260	88	49	1	441	
12.	MURSHIDABAD	3	45	389	48	60	0	545	
13.	NADIA	15	81	456	153	8	0	713	
14.	NORTH 24 PARGANAS	8	83	126	52	12	1	282	
15.	SOUTH 24 PARGANAS	0	2	16	12	1	0	31	
16.	UTTAR DINAJPUR	0	7	143	24	0	0	174	
* State Total :		94	725	2171	739	307	3	4039	

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.12 Average length of Water Conveyance Channel

State : WEST BENGAL		(in Mts.)			
Sl. No.	Name of District	Total Number of Schemes	Average length of channels		
			Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	BANKURA	103	29	189	698
2.	BIRBHUM	82	1	1168	1760
3.	BURDWAN	512	29	238	1375
4.	COOCHBEHAR	73	85	856	1670
5.	DAKSHIN DINAJPUR	100	7	293	1657
6.	DARJEELING	20	34	325	250
7.	HOOGLY	431	15	120	1546
8.	HOWRAH	147	1	180	1732
9.	JALPAIGURI	114	864	731	1039
10.	MALDA	271	5	432	2070
11.	MIDNAPORE	441	13	247	1155
12.	MURSHIDABAD	545	2	33	1730
13.	NADIA	713	21	267	1539
14.	NORTH 24 PARGANAS	282	107	409	1398
15.	SOUTH 24 PARGANAS	31	63	130	1403
16.	UTTAR DINAJPUR	174	18	85	1659
* State Average:		4039	80	356	1417

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)
DEEP TUBEWELL (COMPLETED) SCHEDULE A-3
Table 3.13 Culturable Command Area and Potential Created

State : WEST BENGAL		(in Ha.)					
Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				
			Kharrif	Rabi	Perennial	Others	Total
1	2	3	4	5	6	7	8
1.	BANKURA	2607	1959	1938	299	795	4991
2.	BIRBHUM	1959	1373	1420	160	454	3407
3.	BURDWAN	19054	18441	11554	885	3785	34665
4.	COOCHBEHAR	2674	2293	2173	0	249	4715
5.	DAKSHIN DINAJPUR	3796	2835	2224	563	1294	6916
6.	DARJEELING	1544	370	271	1213	39	1893
7.	HOOGLY	16143	15646	10115	103	5934	31798
8.	HOWRAH	4588	5196	2348	184	1229	8957
9.	JALPAIGURI	9546	1305	1562	1721	6255	10843
10.	MALDA	10547	7659	4282	918	3171	16030

11.	MIDNAPORE	14610	10518	9187	171	4736	24612
12.	MURSHIDABAD	20255	14396	11330	514	2901	29141
13.	NADIA	29259	25554	17642	1401	6084	50681
14.	NORTH 24 PARGANAS	10155	7783	4865	137	4214	16999
15.	SOUTH 24 PARGANAS	739	175	599	35	174	983
16.	UTTAR DINAJPUR	6589	5750	4011	255	1545	11561

* State Total : 154065 121253 85521 8559 42859 258192

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.14 Irrigation Potential Utilised

State : WEST BENGAL

(in Ha.)

Sl. No.	Name of District	Actual Area Irrigated during 1993-94				
		Kharif	Rabi	Perennial	Others	Total
1	2	3	4	5	6	7
1.	BANKURA	1249	1301	192	482	3224
2.	BIRBHUM	654	436	12	248	1350
3.	BURDWAN	11543	6663	815	3785	22806
4.	COOCHBEHAR	932	767	5	77	1781
5.	DAKSHIN DINAJPUR	1800	1486	66	1055	4407
6.	DARJEELING	0	0	1135	0	1135
7.	HOOGLY	7123	5199	118	5086	17526
8.	HOWRAH	1897	1564	19	830	4310
9.	JALPAIGURI	196	537	1494	5107	7334
10.	MALDA	3397	2321	150	1890	7758
11.	MIDNAPORE	3522	4507	66	2796	10891
12.	MURSHIDABAD	7439	6537	180	1610	15766
13.	NADIA	7672	8257	491	3792	20212
14.	NORTH 24 PARGANAS	3105	2600	85	2014	7804
15.	SOUTH 24 PARGANAS	15	202	15	107	339
16.	UTTAR DINAJPUR	1451	1461	208	655	3775
* State Total :		51995	43838	5051	29534	130418

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.15 Irrigation through supplementary sources

State : WEST BENGAL

(in Ha.)

Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perennial	Others	Total
1	2	3	4	5	6	7
1.	BANKURA	0	0	0	0	0

2.	BIRBHUM	38	3	1	1	43
3.	BURDWAN	480	21	4	59	564
4.	COOCHBEHAR	0	0	0	0	0
5.	DAKSHIN DINAJPUR	2	2	2	2	8
6.	DARJEELING	0	0	0	0	0
7.	HOOGLY	162	27	2	46	237
8.	HOWRAH	4	0	0	0	4
9.	JALPAIGURI	20	48	8	161	237
10.	MALDA	0	0	0	0	0
11.	MIDNAPORE	60	93	0	4	157
12.	MURSHIDABAD	0	0	0	8	8
13.	NADIA	29	0	0	0	29
14.	NORTH 24 PARGANAS	20	26	0	4	50
15.	SOUTH 24 PARGANAS	0	0	0	0	0
16.	UTTAR DINAJPUR	0	0	0	0	0

* State Total :		815	220	17	285	1337

* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

DEEP TUBEWELL (COMPLETED) SCHEDULE A-3

Table 3.16 Tubewells according to the constraints

State : WEST BENGAL

(in Nos.)

Sl. No.	Name of District	Total No. of T'wells in use	No. of T'wells with no cons'tnts	Constraints in utilisation of Irri. Pot. Created					Grand Total (4 + 9)
				Inadequate Powers	Mechanical Break down	Less Water Discharge	Other Reason	Total (5 to 8)	
1	2	3	4	5	6	7	8	9	10
1.	BANKURA	82	0	23	10	3	46	82	82
2.	BIRBHUM	44	0	13	6	14	11	44	44
3.	BURDWAN	476	0	85	11	79	301	476	476
4.	COOCHBEHAR	45	0	3	18	1	23	45	45
5.	DAKSHIN DINAJPUR	89	0	67	3	0	19	89	89
6.	DARJEELING	19	0	1	0	0	18	19	19
7.	HOOGLY	402	0	21	4	62	315	402	402
8.	HOWRAH	135	0	13	0	22	100	135	135
9.	JALPAIGURI	104	0	11	1	4	88	104	104
10.	MALDA	242	0	57	9	10	166	242	242
11.	MIDNAPORE	354	0	51	8	65	230	354	354
12.	MURSHIDABAD	451	0	37	28	3	383	451	451
13.	NADIA	646	0	174	32	75	365	646	646
14.	NORTH 24 PARGANAS	265	0	42	35	46	142	265	265
15.	SOUTH 24 PARGANAS	22	0	6	1	0	15	22	22
16.	UTTAR DINAJPUR	133	0	34	1	3	95	133	133

* State Total :		3509	0	638	167	387	2317	3509	3509

* Data in respect of the remaining 1 District is NIL.