

REPORT ON CENSUS OF MINOR IRRIGATION SCHEMES 1993-94

PART- III

II. SHALLOW TUBEWELLS

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : ANDHRA PRADESH

(in Nos.)

Construction of 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	1048	465	795	922	1172	1264	923	676	7265
2.	ANANTHAPUR	3667	1497	1895	2911	3311	3400	2647	1973	21301
3.	CHITTOOR	3033	509	906	945	1067	1325	1291	1062	10138
4.	CUDDAPAH	4028	811	959	1611	1850	1766	1190	594	12809
5.	EAST GODAVARI	12515	1903	1226	1712	1149	1077	749	516	20847
6.	GUNTUR	8606	1452	1310	1458	916	841	760	577	15920
7.	KARIMNAGAR	325	59	45	76	82	129	114	160	990
8.	KHAMMAM	1317	307	292	347	361	290	500	420	3834
9.	KRISHNA	8103	728	708	784	720	720	489	443	12695
10.	KURNOOL	1368	484	764	1121	1354	1652	1231	768	8742
11.	MAHABOOB NAGAR	2348	570	1117	1641	2532	3806	4925	4489	21428
12.	MEDAK	3451	1922	2269	3206	5147	6242	5199	3470	30906
13.	NALGONDA	2052	718	1148	1660	1839	2354	2102	1846	13719
14.	NELLORE	17189	3335	2630	2498	1882	1291	752	617	30194
15.	NIZAMABAD	9274	3062	4087	5811	8125	6617	5607	3624	46207
16.	PRAKASAM	1444	873	975	2126	1839	1770	1037	898	10962
17.	RANGA REDDY	2745	810	1697	2226	2414	2280	2395	1887	16454
18.	SRIKAKULUM	3119	452	549	422	400	290	264	187	5683
19.	VIJAYA NAGARAM	1723	278	329	511	428	418	245	196	4128
20.	VISAKHAPATNAM	3111	237	510	387	259	239	360	285	5388
21.	WARANGAL	675	148	258	370	570	462	546	482	3511
22.	WEST GODAVARI	7293	846	1057	1133	1307	1241	644	555	14076
* State Total :		98434	21466	25526	33878	38724	39474	33970	25725	317197

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 Distribution according to ownership

State : ANDHRA 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.	ADILABAD	46	0	0	75	7144	0	7265
2.	ANANTHAPUR	123	38	10	1222	19901	7	21301
3.	CHITTOOR	0	1	1	684	9451	1	10138
4.	CUDDAPAH	1	4	0	1186	11617	1	12809
5.	EAST GODAVARI	19	8	16	312	20459	33	20847
6.	GUNTUR	52	7	1	1296	14563	1	15920
7.	KARIMNAGAR	37	0	0	110	840	3	990
8.	KHAMMAM	0	75	7	96	3458	198	3834
9.	KRISHNA	7	141	0	639	11907	1	12695
10.	KURNOOL	7	25	2	238	8464	6	8742
11.	MAHABOOB NAGAR	29	21	26	1189	20143	20	21428
12.	MEDAK	25	8	16	369	30466	22	30906
13.	NALGONDA	3	0	5	811	12899	1	13719
14.	NELLORE	41	37	17	1318	28747	34	30194
15.	NIZAMABAD	12	69	15	2188	43876	47	46207
16.	PRAKASAM	0	0	0	2246	8716	0	10962
17.	RANGA REDDY	0	0	0	819	15632	3	16454
18.	SRIKAKULUM	116	11	0	178	5378	0	5683
19.	VIJAYA NAGARAM	238	55	3	194	3633	5	4128
20.	VISAKHAPATNAM	2	7	6	218	5155	0	5388
21.	WARANGAL	62	12	1	108	3326	2	3511
22.	WEST GODAVARI	4	0	0	148	13922	2	14076
* State Total :		824	519	126	15644	299697	387	317197

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell 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	1323	2874	2904	118	7219
2.	ANANTHAPUR	2332	5677	11404	1710	21123
3.	CHITTOOR	2410	4061	3519	145	10135
4.	CUDDAPAH	3001	5220	4405	177	12803
5.	EAST GODAVARI	9077	6660	4918	116	20771
6.	GUNTUR	7589	5240	2970	60	15859
7.	KARIMNAGAR	296	310	327	17	950
8.	KHAMMAM	684	1053	1750	67	3554
9.	KRISHNA	3687	4352	4373	134	12546
10.	KURNOOL	649	2377	4918	758	8702
11.	MAHABOOB NAGAR	2925	5819	10981	1607	21332
12.	MEDAK	14470	10680	5506	179	30835
13.	NALGONDA	4246	4403	4529	532	13710
14.	NELLORE	10799	11555	7526	185	30065
15.	NIZAMABAD	17849	19215	8800	200	46064
16.	PRAKASAM	946	2764	6980	272	10962
17.	RANGA REDDY	3382	6100	6422	547	16451
18.	SRIKAKULUM	2015	2002	1478	61	5556
19.	VIJAYA NAGARAM	1063	1583	1127	54	3827
20.	VISAKHAPATNAM	1790	2183	1221	179	5373
21.	WARANGAL	732	1503	1130	69	3434
22.	WEST GODAVARI	5048	3914	4960	148	14070
* State Total :		96313	109545	102148	7335	315341

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell 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	697	472	6050	7219	46	7265
2.	ANANTHAPUR	833	416	19874	21123	178	21301
3.	CHITTOOR	577	194	9364	10135	3	10138
4.	CUDDAPAH	829	165	11809	12803	6	12809
5.	EAST GODAVARI	1304	217	19250	20771	76	20847

6.	GUNTUR	1575	154	14130	15859	61	15920
7.	KARIMNAGAR	105	11	834	950	40	990
8.	KHAMMAM	44	208	3302	3554	280	3834
9.	KRISHNA	796	86	11664	12546	149	12695
10.	KURNOOL	426	129	8147	8702	40	8742
11.	MAHABOOB NAGAR	1217	994	19121	21332	96	21428
12.	MEDAK	2105	1889	26841	30835	71	30906
13.	NALGONDA	1172	736	11802	13710	9	13719
14.	NELLORE	3388	840	25837	30065	129	30194
15.	NIZAMABAD	4463	2740	38861	46064	143	46207
16.	PRAKASAM	764	435	9763	10962	0	10962
17.	RANGA REDDY	1144	655	14652	16451	3	16454
18.	SRIKAKULUM	342	45	5169	5556	127	5683
19.	VIJAYA NAGARAM	158	109	3560	3827	301	4128
20.	VISAKHAPATNAM	124	62	5187	5373	15	5388
21.	WARANGAL	211	292	2931	3434	77	3511
22.	WEST GODAVARI	491	785	12794	14070	6	14076

* State Total : 22765 11634 280942 315341 1856 317197

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : ANDHRA PRADESH (in Nos.)

Sl. No.	Name of District	Type of Tubewells				Total (3 to 6)
		Shallow	Filter	Borewell	Others	
1	2	3	4	5	6	7
1.	ADILABAD	6559	91	542	73	7265
2.	ANANTHAPUR	13385	1594	6226	96	21301
3.	CHITTOOR	7910	616	1601	11	10138
4.	CUDDAPAH	7302	3695	1764	48	12809
5.	EAST GODAVARI	9960	9471	1235	181	20847
6.	GUNTUR	9442	4294	2178	6	15920
7.	KARIMNAGAR	741	96	150	3	990
8.	KHAMMAM	2856	505	451	22	3834
9.	KRISHNA	10688	1130	775	102	12695
10.	KURNOOL	6656	340	1733	13	8742
11.	MAHABOOB NAGAR	15465	1681	4220	62	21428
12.	MEDAK	19915	1448	9300	243	30906
13.	NALGONDA	8853	1266	3471	129	13719
14.	NELLORE	17937	10848	1141	268	30194
15.	NIZAMABAD	39691	2166	4166	184	46207

16.	PRAKASAM	6018	2062	2773	109	10962
17.	RANGA REDDY	12592	504	3324	34	16454
18.	SRIKAKULUM	5202	310	152	19	5683
19.	VIJAYA NAGARAM	3832	125	148	23	4128
20.	VISAKHAPATNAM	5033	178	161	16	5388
21.	WARANGAL	2386	590	443	92	3511
22.	WEST GODAVARI	11265	728	2046	37	14076

* State Total :		223688	43738	48000	1771	317197

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : ANDHRA PRADESH

(in Nos.)

Sl. No.	Name of District	T'Wells	----- Tubewells Not in Use -----				Total (4 to 8)	Grand Total (3 + 9)	
		In Use	Temporary	Abandoned (Salinity)	Dried up	Destroyed			Others
1	2	3	4	5	6	7	8	9	10
1.	ADILABAD	7084	66	5	78	4	28	181	7265
2.	ANANTHAPUR	20356	479	33	386	25	22	945	21301
3.	CHITTOOR	9835	247	18	26	8	4	303	10138
4.	CUDDAPAH	12264	183	14	332	4	12	545	12809
5.	EAST GODAVARI	20471	278	13	38	20	27	376	20847
6.	GUNTUR	15760	89	9	43	6	13	160	15920
7.	KARIMNAGAR	869	112	0	3	4	2	121	990
8.	KHAMMAM	3455	331	11	11	13	13	379	3834
9.	KRISHNA	12178	145	220	7	1	144	517	12695
10.	KURNOOL	8368	185	34	128	13	14	374	8742
11.	MAHABOOB NAGAR	19684	1209	89	385	29	32	1744	21428
12.	MEDAK	29231	1262	52	282	58	21	1675	30906
13.	NALGONDA	13102	537	4	74	0	2	617	13719
14.	NELLORE	29475	335	35	296	36	17	719	30194
15.	NIZAMABAD	45528	602	33	29	10	5	679	46207
16.	PRAKASAM	10537	330	20	27	25	23	425	10962
17.	RANGA REDDY	14864	690	17	791	9	83	1590	16454
18.	SRIKAKULUM	5595	38	4	17	22	7	88	5683
19.	VIJAYA NAGARAM	3880	164	10	40	17	17	248	4128
20.	VISAKHAPATNAM	5303	21	4	27	5	28	85	5388
21.	WARANGAL	3402	94	7	4	1	3	109	3511
22.	WEST GODAVARI	13117	897	19	37	2	4	959	14076
* State Total :		304358	8294	651	3061	312	521	12839	317197

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : ANDHRA PRADESH

(in Nos.)

Source of Finance for constructing Tubewell								
Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	ADILABAD	4592	1721	317	410	178	1	7219
2.	ANANTHAPUR	5694	12228	2513	436	267	40	21178
3.	CHITTOOR	970	8759	173	215	19	2	10138
4.	CUDDAPAH	11790	440	251	289	28	10	12808
5.	EAST GODAVARI	17019	2239	982	374	212	2	20828
6.	GUNTUR	9226	4169	530	924	1009	10	15868
7.	KARIMNAGAR	782	70	13	31	57	0	953
8.	KHAMMAM	3135	194	295	184	21	5	3834
9.	KRISHNA	9678	2060	445	262	242	1	12688
10.	KURNOOL	6082	1968	213	240	208	24	8735
11.	MAHABOOB NAGAR	17547	2593	467	678	109	5	21399
12.	MEDAK	25085	3144	1077	295	1188	92	30881
13.	NALGONDA	12004	1220	201	169	121	1	13716
14.	NELLORE	8970	17759	1890	454	647	433	30153
15.	NIZAMABAD	34264	8119	953	594	2239	26	46195
16.	PRAKASAM	7782	1301	1079	698	101	1	10962
17.	RANGA REDDY	13147	2382	546	252	90	37	16454
18.	SRIKAKULUM	4295	647	391	174	59	1	5567
19.	VIJAYA NAGARAM	2617	474	464	241	94	0	3890
20.	VISAKHAPATNAM	4010	532	378	130	335	1	5386
21.	WARANGAL	3146	107	62	123	10	1	3449
22.	WEST GODAVARI	8329	3078	1000	1416	248	1	14072
* State Total :		210164	75204	14240	8589	7482	694	316373

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell 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	166	4	4052	2465	578	7265
2.	ANANTHAPUR	159	89	14791	5690	572	21301
3.	CHITTOOR	79	50	7742	2182	85	10138
4.	CUDDAPAH	109	42	11561	894	203	12809
5.	EAST GODAVARI	3	6	19769	217	852	20847
6.	GUNTUR	27	23	15157	2	711	15920
7.	KARIMNAGAR	1	1	587	304	97	990
8.	KHAMMAM	15	4	3549	137	129	3834
9.	KRISHNA	21	9	12449	20	196	12695
10.	KURNOOL	81	33	4957	3085	586	8742
11.	MAHABOOB NAGAR	181	63	14913	5671	600	21428
12.	MEDAK	173	66	20823	8353	1491	30906
13.	NALGONDA	55	34	10205	3376	49	13719
14.	NELLORE	557	447	26028	2252	910	30194
15.	NIZAMABAD	370	90	30838	14434	475	46207
16.	PRAKASAM	1864	36	8581	421	60	10962
17.	RANGA REDDY	163	336	11841	2979	1135	16454
18.	SRIKAKULUM	39	7	5373	3	261	5683
19.	VIJAYA NAGARAM	11	31	3763	191	132	4128
20.	VISAKHAPATNAM	40	9	5252	3	84	5388
21.	WARANGAL	76	12	2734	564	125	3511
22.	WEST GODAVARI	104	55	13704	42	171	14076
* State Total :		4294	1447	248669	53285	9502	317197

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : ANDHRA PRADESH		(in Nos.)						
		According to Water Lifting Devices for Tubewell						
Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	ADILABAD	7224	37	1	2	1	0	7265
2.	ANANTHAPUR	21038	233	6	16	7	1	21301

3. CHITTOOR	10097	37	0	2	2	0	10138
4. CUDDAPAH	12505	254	0	4	36	10	12809
5. EAST GODAVARI	13606	7204	11	15	4	7	20847
6. GUNTUR	14063	1831	5	5	16	0	15920
7. KARIMNAGAR	980	0	2	0	8	0	990
8. KHAMMAM	3526	304	0	0	4	0	3834
9. KRISHNA	10908	1767	8	1	11	0	12695
10. KURNOOL	8513	193	1	25	10	0	8742
11. MAHABOOB NAGAR	21139	206	4	32	38	9	21428
12. MEDAK	30574	16	21	1	142	152	30906
13. NALGONDA	13693	7	3	2	14	0	13719
14. NELLORE	29603	493	21	4	1	72	30194
15. NIZAMABAD	45560	71	4	9	520	43	46207
16. PRAKASAM	9521	611	3	1	1	825	10962
17. RANGA REDDY	16392	18	38	0	4	2	16454
18. SRIKAKULUM	5032	463	1	12	175	0	5683
19. VIJAYA NAGARAM	3707	248	7	1	164	1	4128
20. VISAKHAPATNAM	4981	314	8	0	81	4	5388
21. WARANGAL	3489	14	7	0	1	0	3511
22. WEST GODAVARI	10083	3949	0	1	43	0	14076

* State Total :	296234	18270	151	133	1283	1126	317197

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : ANDHRA PRADESH

(in Nos.)

		According to horse power of lifting devices							
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
1.	ADILABAD	2	1397	5845	6	11	3	1	7265
2.	ANANTHAPUR	106	181	16060	4464	407	76	7	21301
3.	CHITTOOR	15	1828	6141	1856	264	32	2	10138
4.	CUDDAPAH	13	490	7249	2650	2016	355	36	12809
5.	EAST GODAVARI	323	127	14149	2648	2542	1054	4	20847
6.	GUNTUR	80	7265	8192	298	53	16	16	15920
7.	KARIMNAGAR	2	465	469	20	21	5	8	990
8.	KHAMMAM	3	958	2675	139	46	9	4	3834
9.	KRISHNA	4	2120	10179	253	101	27	11	12695
10.	KURNOOL	3	294	7283	896	215	41	10	8742
11.	MAHABOOB NAGAR	9	1360	19562	372	62	25	38	21428

12.	MEDAK	156	3830	25796	925	38	19	142	30906
13.	NALGONDA	9	5285	8209	146	25	31	14	13719
14.	NELLORE	114	6209	22278	1331	215	46	1	30194
15.	NIZAMABAD	30	1639	43685	245	4	84	520	46207
16.	PRAKASAM	11	672	8937	995	327	19	1	10962
17.	RANGA REDDY	131	2546	13384	354	28	7	4	16454
18.	SRIKAKULUM	159	493	4501	239	97	19	175	5683
19.	VIJAYA NAGARAM	4	443	3372	46	90	9	164	4128
20.	VISAKHAPATNAM	62	257	4480	390	72	46	81	5388
21.	WARANGAL	9	2213	1197	67	19	5	1	3511
22.	WEST GODAVARI	40	172	10040	1708	1644	429	43	14076

* State Total :		1285	40244	243683	20048	8297	2357	1283	317197

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : ANDHRA PRADESH

(in Nos.)

Sl. No.	Name of District	Location of Tubewell			According to Average Pumping Hours during peak season						
		On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	ADILABAD	11	7254	7265	1483	3999	1584	87	103	9	7265
2.	ANANTHAPUR	1531	19770	21301	4621	11150	3864	788	268	610	21301
3.	CHITTOOR	93	10045	10138	3040	4772	1718	463	87	58	10138
4.	CUDDAPAH	726	12083	12809	2921	6698	2631	403	152	4	12809
5.	EAST GODAVARI	8735	12112	20847	1004	10959	6550	1350	897	87	20847
6.	GUNTUR	3230	12690	15920	1473	8379	5027	552	449	40	15920
7.	KARIMNAGAR	50	940	990	391	499	49	2	46	3	990
8.	KHAMMAM	44	3790	3834	622	2494	613	36	2	67	3834
9.	KRISHNA	6224	6471	12695	776	7489	3247	726	392	65	12695
10.	KURNOOL	171	8571	8742	2148	4587	1499	160	319	29	8742
11.	MAHABOOB NAGAR	236	21192	21428	8784	7264	3456	854	512	558	21428
12.	MEDAK	389	30517	30906	8210	11967	7773	1780	767	409	30906
13.	NALGONDA	479	13240	13719	3504	5811	3527	421	145	311	13719
14.	NELLORE	11759	18435	30194	1527	16401	8008	3907	287	64	30194
15.	NIZAMABAD	11647	34560	46207	5336	20757	18382	1297	356	79	46207
16.	PRAKASAM	466	10496	10962	1107	7632	1857	271	88	7	10962
17.	RANGA REDDY	384	16070	16454	5713	7531	2039	775	334	62	16454
18.	SRIKAKULUM	2646	3037	5683	1201	3124	1100	122	16	120	5683
19.	VIJAYA NAGARAM	218	3910	4128	1527	1992	584	22	0	3	4128
20.	VISAKHAPATNAM	728	4660	5388	1632	2958	736	51	7	4	5388

21.	WARANGAL	17	3494	3511	1178	1827	309	85	73	39	3511
22.	WEST GODAVARI	4905	9171	14076	2638	3737	6236	972	492	1	14076

* State Total :		54689	262508	317197	60836	152027	80789	15124	5792	2629	317197

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 Average length of Water Conveyance Channel

State : ANDHRA 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.	ADILABAD	7265	2	51	25
2.	ANANTHAPUR	21301	5	32	34
3.	CHITTOOR	10138	2	65	38
4.	CUDDAPAH	12809	11	75	23
5.	EAST GODAVARI	20847	1	82	1
6.	GUNTUR	15920	6	77	7
7.	KARIMNAGAR	990	1	50	75
8.	KHAMMAM	3834	6	83	8
9.	KRISHNA	12695	8	124	4
10.	KURNOOL	8742	6	58	53
11.	MAHABOOB NAGAR	21428	1	40	50
12.	MEDAK	30906	2	39	33
13.	NALGONDA	13719	1	16	34
14.	NELLORE	30194	3	83	21
15.	NIZAMABAD	46207	2	60	38
16.	PRAKASAM	10962	4	104	20
17.	RANGA REDDY	16454	7	46	25
18.	SRIKAKULUM	5683	6	30	1
19.	VIJAYA NAGARAM	4128	1	53	1
20.	VISAKHAPATNAM	5388	1	49	0
21.	WARANGAL	3511	1	65	21
22.	WEST GODAVARI	14076	3	130	5

* State Average:		317197	3	64	24

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

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.13 Culturable Command Area and Potential Created

State : ANDHRA PRADESH

(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.	ADILABAD	10249	8879	7472	40	25	16416
2.	ANANTHAPUR	39447	27548	18680	7559	119	53906
3.	CHITTOOR	15552	11010	11229	40	12	22291
4.	CUDDAPAH	24189	21835	15419	336	26	37616
5.	EAST GODAVARI	53168	27457	27141	16624	910	72132
6.	GUNTUR	21777	10378	2606	10591	43	23618
7.	KARIMNAGAR	1638	1556	1367	34	0	2957
8.	KHAMMAM	9181	5511	4155	101	26	9793
9.	KRISHNA	24391	12129	3063	2302	9674	27168
10.	KURNOOL	18701	17008	12896	382	9	30295
11.	MAHABOOB NAGAR	30536	25210	17997	793	344	44344
12.	MEDAK	34674	29515	18031	4301	368	52215
13.	NALGONDA	14936	12136	10037	997	111	23281
14.	NELLORE	47564	29497	30211	5972	159	65839
15.	NIZAMABAD	67777	63711	38613	2303	277	104904
16.	PRAKASAM	24405	21072	12290	1995	28	35385
17.	RANGA REDDY	25275	20339	14367	2040	121	36867
18.	SRIKAKULUM	9190	5117	5656	660	53	11486
19.	VIJAYA NAGARAM	6162	2758	2868	1581	71	7278
20.	VISAKHAPATNAM	11534	5235	2697	5284	23	13239
21.	WARANGAL	5419	4581	2595	1	8	7185
22.	WEST GODAVARI	36678	16739	21101	8893	3747	50480
* State Total :		532443	379221	280491	72829	16154	748695

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

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.14 Irrigation Potential Utilised

State : ANDHRA 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.	ADILABAD	7302	5635	34	21	12992
2.	ANANTHAPUR	20572	13588	7788	135	42083
3.	CHITTOOR	8478	9207	49	7	17741
4.	CUDDAPAH	19264	12615	219	126	32224
5.	EAST GODAVARI	21295	21276	16100	837	59508
6.	GUNTUR	9876	2330	10538	44	22788
7.	KARIMNAGAR	1146	864	28	0	2038
8.	KHAMMAM	4519	3570	37	0	8126
9.	KRISHNA	12485	2643	2177	7499	24804
10.	KURNOOL	14843	10915	444	8	26210
11.	MAHABOOB NAGAR	16113	11059	616	224	28012
12.	MEDAK	23777	13237	3671	296	40981
13.	NALGONDA	8419	6465	934	84	15902
14.	NELLORE	28005	28101	5899	121	62126
15.	NIZAMABAD	55415	31324	2697	1267	90703
16.	PRAKASAM	18527	9965	2165	27	30684
17.	RANGA REDDY	13412	8750	1897	87	24146
18.	SRIKAKULUM	4574	4888	649	50	10161
19.	VIJAYA NAGARAM	2472	2142	1510	62	6186
20.	VISAKHAPATNAM	4673	2328	4706	48	11755
21.	WARANGAL	3943	2034	1	12	5990
22.	WEST GODAVARI	14797	15474	9228	3319	42818
* State Total :		313907	218410	71387	14274	617978

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 Irrigation through supplementary sources

State : ANDHRA PRADESH

(in Ha.)

		Supplementary Irrigation in 1993-94				
Sl. No.	Name of District	Kharif	Rabi	Perennial	Others	Total
1	2	3	4	5	6	7
1.	ADILABAD	1	1	0	0	2
2.	ANANTHAPUR	1034	371	305	0	1710
3.	CHITTOOR	33	14	0	0	47
4.	CUDDAPAH	614	5	0	0	619
5.	EAST GODAVARI	10245	5972	3767	28	20012
6.	GUNTUR	2823	21	44	0	2888
7.	KARIMNAGAR	15	0	0	0	15

8.	KHAMMAM	20	0	0	0	20
9.	KRISHNA	7628	492	393	1202	9715
10.	KURNOOL	73	56	0	0	129
11.	MAHABOOB NAGAR	15	113	0	0	128
12.	MEDAK	14	3	2	0	19
13.	NALGONDA	226	159	2	3	390
14.	NELLORE	10610	6981	416	35	18042
15.	NIZAMABAD	3241	192	71	31	3535
16.	PRAKASAM	200	235	5	0	440
17.	RANGA REDDY	10	23	0	0	33
18.	SRIKAKULUM	2785	714	126	6	3631
19.	VIJAYA NAGARAM	84	102	23	0	209
20.	VISAKHAPATNAM	169	32	77	0	278
21.	WARANGAL	0	0	0	0	0
22.	WEST GODAVARI	2538	2858	1271	155	6822

* State Total :		42378	18344	6502	1460	68684

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : ANDHRA PRADESH

(in Nos.)

Sl. No.	Name of District	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.	ADILABAD	7084	3830	1494	269	1447	44	3254	7084
2.	ANANTHAPUR	20356	8725	3147	266	7513	705	11631	20356
3.	CHITTOOR	9835	4594	2256	121	2682	182	5241	9835
4.	CUDDAPAH	12264	8383	668	35	2997	181	3881	12264
5.	EAST GODAVARI	20471	14895	175	52	291	5058	5576	20471
6.	GUNTUR	15760	15187	9	15	279	270	573	15760
7.	KARIMNAGAR	869	477	3	1	211	177	392	869
8.	KHAMMAM	3455	2860	12	27	535	21	595	3455
9.	KRISHNA	12178	11106	37	21	295	719	1072	12178
10.	KURNOOL	8368	5502	138	41	2263	424	2866	8368
11.	MAHABOOB NAGAR	19684	280	6525	339	11499	1041	19404	19684
12.	MEDAK	29231	8953	9644	685	4591	5358	20278	29231
13.	NALGONDA	13102	4639	169	11	8239	44	8463	13102
14.	NELLORE	29475	27217	480	30	693	1055	2258	29475
15.	NIZAMABAD	45528	26409	10010	1279	5941	1889	19119	45528
16.	PRAKASAM	10537	6969	363	19	2792	394	3568	10537

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 Distribution according to ownership

State : ASSAM

(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.	BARPETA	99	6	0	6	2252	0	2363
2.	BONGAIGAON	26	0	0	2	824	0	852
3.	CACHAR	1	0	0	0	0	0	1
4.	DARRANG	335	0	0	153	1762	1	2251
5.	DHEMAJI	8	0	0	67	642	0	717
6.	DHUBRI	90	5	0	27	2366	0	2488
7.	DIBRUGARH	265	0	0	3	1193	0	1461
8.	GOALPARA	30	0	0	16	335	0	381
9.	GOLAGHAT	40	0	0	3	452	0	495
10.	HAILAKANDI	80	0	0	0	0	0	80
11.	JORHAT	392	0	0	6	1092	0	1490
12.	KAMRUP	93	27	0	301	847	0	1268
13.	KARBI ANGLONG	26	0	0	1	54	0	81
14.	KARIMGANJ	84	0	0	0	0	0	84
15.	KOKRAJHAR	0	0	0	22	736	0	758
16.	LAKHIMPUR	154	0	0	0	1012	0	1166
17.	MARIGAON	178	0	0	0	1217	0	1395
18.	NAGAON	144	0	0	0	3113	0	3257
19.	NALBARI	148	0	0	22	1247	0	1417
20.	SIBSAGAR	1	0	0	1	786	0	788
21.	SONITPUR	183	0	0	85	2598	1	2867
22.	TINSUKIA	66	0	0	7	1339	0	1412
* State Total :		2443	38	0	722	23867	2	27072

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell according to the holding size

State : ASSAM

(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.	BARPETA	43	390	1811	14	2258
2.	BONGAIGAON	0	178	646	2	826
3.	CACHAR	0	0	0	0	0
4.	DARRANG	10	238	1662	5	1915
5.	DHEMAJI	11	65	630	3	709
6.	DHUBRI	19	530	1834	10	2393
7.	DIBRUGARH	19	128	1049	0	1196
8.	GOALPARA	0	31	319	1	351
9.	GOLAGHAT	6	74	372	3	455
10.	HAILAKANDI	0	0	0	0	0
11.	JORHAT	0	323	775	0	1098
12.	KAMRUP	65	226	851	6	1148
13.	KARBI ANGLONG	0	1	53	1	55
14.	KARIMGANJ	0	0	0	0	0
15.	KOKRAJHAR	25	98	634	1	758
16.	LAKHIMPUR	3	59	948	2	1012
17.	MARIGAON	2	32	1183	0	1217
18.	NAGAON	1	180	2927	5	3113
19.	NALBARI	2	234	1020	13	1269
20.	SIBSAGAR	17	86	684	0	787
21.	SONITPUR	37	287	2356	3	2683
22.	TINSUKIA	240	458	646	2	1346
* State Total :		500	3618	20400	71	24589

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell 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	62	270	1926	2258	105	2363

2.	BONGAIGAON	177	172	477	826	26	852
3.	CACHAR	0	0	0	0	1	1
4.	DARRANG	101	366	1448	1915	336	2251
5.	DHEMAJI	93	368	248	709	8	717
6.	DHUBRI	106	118	2169	2393	95	2488
7.	DIBRUGARH	111	214	871	1196	265	1461
8.	GOALPARA	42	71	238	351	30	381
9.	GOLAGHAT	46	132	277	455	40	495
10.	HAILAKANDI	0	0	0	0	80	80
11.	JORHAT	94	385	619	1098	392	1490
12.	KAMRUP	49	122	977	1148	120	1268
13.	KARBI ANGLONG	6	1	48	55	26	81
14.	KARIMGANJ	0	0	0	0	84	84
15.	KOKRAJHAR	12	555	191	758	0	758
16.	LAKHIMPUR	51	341	620	1012	154	1166
17.	MARIGAON	136	282	799	1217	178	1395
18.	NAGAON	253	355	2505	3113	144	3257
19.	NALBARI	81	297	891	1269	148	1417
20.	SIBSAGAR	15	32	740	787	1	788
21.	SONITPUR	225	433	2025	2683	184	2867
22.	TINSUKIA	59	376	911	1346	66	1412

* State Total :		1719	4890	17980	24589	2483	27072

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : ASSAM		(in Nos.)				
		Type of Tubewells				
Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7
1.	BARPETA	2358	2	2	1	2363
2.	BONGAIGAON	851	0	0	1	852
3.	CACHAR	1	0	0	0	1
4.	DARRANG	2247	1	1	2	2251
5.	DHEMAJI	709	3	3	2	717
6.	DHUBRI	2482	4	2	0	2488
7.	DIBRUGARH	1423	23	0	15	1461
8.	GOALPARA	381	0	0	0	381
9.	GOLAGHAT	450	8	1	36	495
10.	HAILAKANDI	80	0	0	0	80

11.	JORHAT	1480	5	0	5	1490
12.	KAMRUP	1265	2	0	1	1268
13.	KARBI ANGLONG	70	2	9	0	81
14.	KARIMGANJ	84	0	0	0	84
15.	KOKRAJHAR	758	0	0	0	758
16.	LAKHIMPUR	1160	1	0	5	1166
17.	MARIGAON	1392	2	0	1	1395
18.	NAGAON	3245	8	1	3	3257
19.	NALBARI	1415	0	0	2	1417
20.	SIBSAGAR	786	0	0	2	788
21.	SONITPUR	2721	146	0	0	2867
22.	TINSUKIA	1401	2	3	6	1412

* State Total :		26759	209	22	82	27072

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : ASSAM

(in Nos.)

Sl. No.	Name of District	T'Wells In Use	----- Tubewells Not in Use -----				Others	Total (4 to 8)	Grand Total (3 + 9)
			Temporary	Abandoned (Salinity)	Dried up	Destroyed			
1	2	3	4	5	6	7	8	9	10

1.	BARPETA	1675	445	24	94	47	78	688	2363
2.	BONGAIGAON	593	259	0	0	0	0	259	852
3.	CACHAR	1	0	0	0	0	0	0	1
4.	DARRANG	1613	637	1	0	0	0	638	2251
5.	DHEMAJI	424	291	2	0	0	0	293	717
6.	DHUBRI	1869	612	1	0	1	5	619	2488
7.	DIBRUGARH	1055	406	0	0	0	0	406	1461
8.	GOALPARA	265	116	0	0	0	0	116	381
9.	GOLAGHAT	176	277	0	27	10	5	319	495
10.	HAILAKANDI	80	0	0	0	0	0	0	80
11.	JORHAT	1468	22	0	0	0	0	22	1490
12.	KAMRUP	892	334	0	0	20	22	376	1268
13.	KARBI ANGLONG	80	0	1	0	0	0	1	81
14.	KARIMGANJ	84	0	0	0	0	0	0	84
15.	KOKRAJHAR	613	144	1	0	0	0	145	758
16.	LAKHIMPUR	627	535	1	3	0	0	539	1166
17.	MARIGAON	1114	280	1	0	0	0	281	1395
18.	NAGAON	2500	757	0	0	0	0	757	3257
19.	NALBARI	1038	283	6	61	20	9	379	1417
20.	SIBSAGAR	752	34	0	1	0	1	36	788
21.	SONITPUR	1931	668	10	5	136	117	936	2867

22. TINSUKIA	1308	87	0	2	1	14	104	1412
* State Total :	20158	6187	48	193	235	251	6914	27072

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : ASSAM

(in Nos.)

		Source of Finance for constructing Tubewell						Total (3 to 8)
Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	
1	2	3	4	5	6	7	8	9
1.	BARPETA	22	243	62	1082	855	0	2264
2.	BONGAIGAON	0	85	1	354	385	1	826
3.	CACHAR	0	0	0	0	0	0	0
4.	DARRANG	1	53	4	779	1079	0	1916
5.	DHEMAJI	0	44	0	1	664	0	709
6.	DHUBRI	44	871	15	510	958	0	2398
7.	DIBRUGARH	0	22	0	163	1010	1	1196
8.	GOALPARA	0	94	18	103	136	0	351
9.	GOLAGHAT	0	8	2	69	376	0	455
10.	HAILAKANDI	0	0	0	0	0	0	0
11.	JORHAT	2	16	3	165	912	0	1098
12.	KAMRUP	24	5	2	162	982	0	1175
13.	KARBI ANGLONG	0	24	0	5	26	0	55
14.	KARIMGANJ	0	0	0	0	0	0	0
15.	KOKRAJHAR	0	9	294	1	454	0	758
16.	LAKHIMPUR	0	49	0	132	831	0	1012
17.	MARIGAON	0	232	0	0	985	0	1217
18.	NAGAON	0	311	1	0	2800	1	3113
19.	NALBARI	2	4	8	165	1090	0	1269
20.	SIBSAGAR	0	0	0	76	710	1	787
21.	SONITPUR	4	75	8	488	2106	3	2684
22.	TINSUKIA	0	5	4	1188	133	16	1346
* State Total :		99	2150	422	5443	16492	23	24629

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

MINOR IRRIGATION CENSUS(1993-94)

Table 2.8 Tubewell according to water distribution system

Table 2.8 Tubewell according to water distribution system

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

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting deviceP

State : ASSAM		(in Nos.)						
		According to Water Lifting Devices for Tubewell						
Sl.	Name of District	Electric	Diesel	Wind	Solar	Man/Ani.	Others	Total

No.		Pumps	Pumps	Mills	Pumps	operated	(3 to 8)	
1	2	3	4	5	6	7	8	9
1.	BARPETA	0	2362	0	1	0	0	2363
2.	BONGAIGAON	0	852	0	0	0	0	852
3.	CACHAR	0	1	0	0	0	0	1
4.	DARRANG	184	2067	0	0	0	0	2251
5.	DHEMAJI	0	717	0	0	0	0	717
6.	DHUBRI	0	2487	1	0	0	0	2488
7.	DIBRUGARH	0	1461	0	0	0	0	1461
8.	GOALPARA	0	381	0	0	0	0	381
9.	GOLAGHAT	4	491	0	0	0	0	495
10.	HAILAKANDI	3	77	0	0	0	0	80
11.	JORHAT	32	1456	0	0	2	0	1490
12.	KAMRUP	2	1265	0	0	0	1	1268
13.	KARBI ANGLONG	0	81	0	0	0	0	81
14.	KARIMGANJ	0	84	0	0	0	0	84
15.	KOKRAJHAR	0	758	0	0	0	0	758
16.	LAKHIMPUR	0	1166	0	0	0	0	1166
17.	MARIGAON	99	1296	0	0	0	0	1395
18.	NAGAON	10	3247	0	0	0	0	3257
19.	NALBARI	68	1349	0	0	0	0	1417
20.	SIBSAGAR	1	787	0	0	0	0	788
21.	SONITPUR	0	2867	0	0	0	0	2867
22.	TINSUKIA	7	1405	0	0	0	0	1412
* State Total :		410	26657	1	1	2	1	27072

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : ASSAM

(in Nos.)

		According to horse power of lifting devices							
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
1.	BARPETA	1	1	2359	0	0	2	0	2363
2.	BONGAIGAON	0	0	852	0	0	0	0	852
3.	CACHAR	0	0	1	0	0	0	0	1
4.	DARRANG	1	151	2056	42	0	1	0	2251
5.	DHEMAJI	0	0	714	0	0	3	0	717

6.	DHUBRI	3	2	2469	4	8	2	0	2488
7.	DIBRUGARH	0	0	1459	0	0	2	0	1461
8.	GOALPARA	0	0	380	0	0	1	0	381
9.	GOLAGHAT	0	0	494	0	0	1	0	495
10.	HAILAKANDI	0	3	76	0	1	0	0	80
11.	JORHAT	1	0	1474	2	0	11	2	1490
12.	KAMRUP	0	0	1259	0	0	9	0	1268
13.	KARBI ANGLONG	0	0	81	0	0	0	0	81
14.	KARIMGANJ	0	1	83	0	0	0	0	84
15.	KOKRAJHAR	0	0	757	0	0	1	0	758
16.	LAKHIMPUR	0	0	1166	0	0	0	0	1166
17.	MARIGAON	2	116	1276	1	0	0	0	1395
18.	NAGAON	0	0	3246	0	0	11	0	3257
19.	NALBARI	0	69	1347	0	0	1	0	1417
20.	SIBSAGAR	0	0	788	0	0	0	0	788
21.	SONITPUR	1	3	2858	0	0	5	0	2867
22.	TINSUKIA	0	0	1412	0	0	0	0	1412

* State Total :		9	346	26607	49	9	50	2	27072

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : ASSAM

(in Nos.)

Sl. No.	Name of District	Location of Tubewell			According to Average Pumping Hours during peak season						
		On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	BARPETA	0	2363	2363	1829	534	0	0	0	0	2363
2.	BONGAIGAON	0	852	852	355	483	14	0	0	0	852
3.	CACHAR	0	1	1	1	0	0	0	0	0	1
4.	DARRANG	0	2251	2251	721	1510	20	0	0	0	2251
5.	DHEMAJI	0	717	717	639	78	0	0	0	0	717
6.	DHUBRI	0	2488	2488	799	1651	37	1	0	0	2488
7.	DIBRUGARH	0	1461	1461	1029	432	0	0	0	0	1461
8.	GOALPARA	0	381	381	149	232	0	0	0	0	381
9.	GOLAGHAT	0	495	495	415	78	2	0	0	0	495
10.	HAILAKANDI	0	80	80	1	79	0	0	0	0	80
11.	JORHAT	0	1490	1490	346	887	257	0	0	0	1490
12.	KAMRUP	0	1268	1268	928	319	21	0	0	0	1268
13.	KARBI ANGLONG	0	81	81	3	70	8	0	0	0	81
14.	KARIMGANJ	0	84	84	3	81	0	0	0	0	84

15.	KOKRAJHAR	0	758	758	369	389	0	0	0	0	758
16.	LAKHIMPUR	0	1166	1166	1100	66	0	0	0	0	1166
17.	MARIGAON	0	1395	1395	1114	281	0	0	0	0	1395
18.	NAGAON	0	3257	3257	2537	712	8	0	0	0	3257
19.	NALBARI	0	1417	1417	860	557	0	0	0	0	1417
20.	SIBSAGAR	0	788	788	183	605	0	0	0	0	788
21.	SONITPUR	0	2867	2867	1713	1143	11	0	0	0	2867
22.	TINSUKIA	0	1412	1412	318	1094	0	0	0	0	1412

* State Total :		0	27072	27072	15412	11281	378	1	0	0	27072

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 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	2363	0	145	0
2.	BONGAIGAON	852	0	36	0
3.	CACHAR	1	0	0	0
4.	DARRANG	2251	0	27	0
5.	DHEMAJI	717	1	90	0
6.	DHUBRI	2488	0	140	0
7.	DIBRUGARH	1461	0	29	0
8.	GOALPARA	381	0	278	0
9.	GOLAGHAT	495	0	62	2
10.	HAILAKANDI	80	0	39	0
11.	JORHAT	1490	3	63	0
12.	KAMRUP	1268	0	45	0
13.	KARBI ANGLONG	81	10	70	0
14.	KARIMGANJ	84	0	0	0
15.	KOKRAJHAR	758	0	76	0
16.	LAKHIMPUR	1166	0	53	2
17.	MARIGAON	1395	0	57	0
18.	NAGAON	3257	1	89	0
19.	NALBARI	1417	0	71	0
20.	SIBSAGAR	788	0	90	0
21.	SONITPUR	2867	0	60	0
22.	TINSUKIA	1412	0	83	0

* State Average: 27072 3 80 2

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : ASSAM

(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.	BARPETA	4790	4294	3343	2	62	7701
2.	BONGAIGAON	1849	1704	1110	0	459	3273
3.	CACHAR	4	4	1	0	0	5
4.	DARRANG	5332	4998	3443	8	331	8780
5.	DHEMAJI	1437	1329	702	0	78	2109
6.	DHUBRI	5172	4286	3702	72	633	8693
7.	DIBRUGARH	3861	3466	2275	0	30	5771
8.	GOALPARA	892	829	549	3	36	1417
9.	GOLAGHAT	1165	1041	692	0	31	1764
10.	HAILAKANDI	260	236	89	0	0	325
11.	JORHAT	3656	2496	3122	0	1	5619
12.	KAMRUP	3003	2592	1161	16	94	3863
13.	KARBI ANGLONG	304	200	125	10	20	355
14.	KARIMGANJ	396	226	261	0	0	487
15.	KOKRAJHAR	1879	1669	1203	0	2	2874
16.	LAKHIMPUR	2999	2664	1659	2	114	4439
17.	MARIGAON	3172	2842	1810	1	155	4808
18.	NAGAON	6056	5527	3350	4	174	9055
19.	NALBARI	2643	2424	1697	0	117	4238
20.	SIBSAGAR	2089	1921	1139	1	159	3220
21.	SONITPUR	6021	5356	3921	3	152	9432
22.	TINSUKIA	2334	2171	702	1	11	2885
* State Total :		59314	52275	36056	123	2659	91113

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : ASSAM

(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.	BARPETA	1891	1107	1	23	3022
2.	BONGAIGAON	806	456	0	182	1444
3.	CACHAR	4	1	0	0	5
4.	DARRANG	2378	1411	5	120	3914
5.	DHEMAJI	475	195	0	36	706
6.	DHUBRI	1761	1590	13	222	3586
7.	DIBRUGARH	2003	975	0	7	2985
8.	GOALPARA	411	251	0	8	670
9.	GOLAGHAT	274	157	0	7	438
10.	HAILAKANDI	174	53	0	0	227
11.	JORHAT	666	1284	0	0	1950
12.	KAMRUP	1525	492	7	32	2056
13.	KARBI ANGLONG	170	101	6	16	293
14.	KARIMGANJ	217	252	0	0	469
15.	KOKRAJHAR	1223	792	0	0	2015
16.	LAKHIMPUR	1169	650	0	33	1852
17.	MARIGAON	1513	735	0	57	2305
18.	NAGAON	2846	1042	0	90	3978
19.	NALBARI	807	553	0	11	1371
20.	SIBSAGAR	1382	706	0	6	2094
21.	SONITPUR	2991	1671	1	40	4703
22.	TINSUKIA	1737	416	0	4	2157
* State Total :		26423	14890	33	894	42240

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

MINOR IRRIGATION CENSUS(1993-94)**SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2****Table 2.15 Irrigation through supplementary sources**

State : ASSAM

(in Ha.)

Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Khariif	Rabi	Perenial	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.	SIBSAGAR	0	0	0	0	0
21.	SONITPUR	0	0	0	0	0
22.	TINSUKIA	0	0	0	0	0

* State Total :		0	0	0	0	0

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : ASSAM

(in Nos.)

Sl. No.	Name of District	No. of T'wells in use	No. of T'wells with no cons'nts	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.	BARPETA	1675	0	39	58	1336	242	1675	1675
2.	BONGAIGAON	593	0	0	8	122	463	593	593
3.	CACHAR	1	0	0	0	0	1	1	1
4.	DARRANG	1613	0	0	20	1111	482	1613	1613
5.	DHEMAJI	424	0	1	5	10	408	424	424
6.	DHUBRI	1869	0	67	114	1470	218	1869	1869
7.	DIBRUGARH	1055	0	1	15	3	1036	1055	1055
8.	GOALPARA	265	0	0	2	96	167	265	265
9.	GOLAGHAT	176	0	0	0	0	176	176	176
10.	HAILAKANDI	80	0	1	0	2	77	80	80

11.	JORHAT	1468	0	0	979	164	325	1468	1468
12.	KAMRUP	892	0	4	59	244	585	892	892
13.	KARBI ANGLONG	80	0	0	0	3	77	80	80
14.	KARIMGANJ	84	0	0	0	1	83	84	84
15.	KOKRAJHAR	613	0	0	0	4	609	613	613
16.	LAKHIMPUR	627	0	0	5	56	566	627	627
17.	MARIGAON	1114	0	225	294	532	63	1114	1114
18.	NAGAON	2500	0	0	192	257	2051	2500	2500
19.	NALBARI	1038	0	5	223	374	436	1038	1038
20.	SIBSAGAR	752	0	2	45	473	232	752	752
21.	SONITPUR	1931	0	1	149	436	1345	1931	1931
22.	TINSUKIA	1308	0	1	2	2	1303	1308	1308
* State Total :		20158	0	347	2170	6696	10945	20158	20158

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : BIHAR

(in Nos.)

		Construction of 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.	ARARIA	3676	696	1674	2049	1617	1489	1518	372	13091	
2.	AURANGABAD	2125	442	665	1069	1383	1378	1018	697	8777	
3.	BANKA	1750	526	623	902	896	467	466	295	5925	
4.	BEGUSARAI	3491	2262	3792	4375	4523	1623	958	499	21523	
5.	BHABUA	2947	1142	1277	1665	1674	1293	893	750	11641	
6.	BHAGALPUR	2287	958	1361	1371	1488	1141	1257	735	10598	
7.	BHOJPUR	3554	1204	1426	2045	2111	2108	1592	765	14805	
8.	BUXAR	3740	1584	1312	1307	1646	1293	1087	1057	13026	
9.	CHAMPARAN EAST	4771	2614	3078	3931	5109	5241	3318	2545	30607	
10.	CHAMPARAN WEST	2352	1162	2176	3060	4647	3530	2369	1862	21158	
11.	CHATRA	45	15	38	12	11	12	5	4	142	
12.	DARBHANGA	2749	921	1198	1967	2156	1327	1145	421	11884	
13.	DEOGHAR	0	0	0	0	0	0	1	0	1	
14.	DHANBAD	4	0	1	0	0	0	0	0	5	
15.	GAYA	8890	2185	2516	2976	2957	2056	1708	1409	24697	
16.	GIRIDIH	70	12	56	94	49	46	16	26	369	
17.	GODDA	318	21	53	48	61	33	36	44	614	
18.	GOPALGANJ	4736	1724	1902	2075	1830	2611	1615	687	17180	

19.	HAZARIBAG	2	0	1	0	0	0	0	0	3
20.	JAMUI	296	278	456	551	595	512	286	179	3153
21.	JEHANABAD	3331	1560	1912	2811	2858	2379	1708	1266	17825
22.	KATIHAR	2589	2112	2672	3344	4342	4064	2995	2400	24518
23.	KHAGARIA	1456	703	961	1320	1720	2015	1436	1097	10708
24.	KISHANGANJ	258	212	396	1966	1181	1861	1593	1480	8947
25.	KODARMA	91	34	28	24	16	10	8	3	214
26.	LAKHISARAI	671	173	232	699	861	836	483	481	4436
27.	MADHEPURA	3795	1339	2091	2240	1172	1607	1549	381	14174
28.	MADHUBANI	5991	1370	1487	1570	1253	1315	709	699	14394
29.	MUNGER	748	137	458	479	384	397	306	192	3101
30.	MUZAFFARPUR	7605	2713	3241	4193	5150	3296	2882	1816	30896
31.	NALANDA	4666	1836	1976	1913	2003	1801	1326	1088	16609
32.	NAWADA	3674	1680	2240	1662	2395	1712	1360	1178	15901
33.	PAKUR	39	51	24	7	9	34	26	11	201
34.	PATNA	5301	1993	3017	2511	3245	3241	2635	1506	23449
35.	PURNIA	2795	1635	2978	4147	3510	3498	2918	2603	24084
36.	RANCHI	11	60	5	0	4	7	0	3	90
37.	ROHTAS	5284	1369	1605	2161	2593	1427	1639	1231	17309
38.	SAHARSA	1273	232	2067	2177	911	1151	1651	349	9811
39.	SAHEBGANJ	89	8	195	803	306	194	150	19	1764
40.	SAMASTIPUR	10402	3261	3556	3870	3434	2257	1659	1401	29840
41.	SARAN	7435	3359	3172	2691	2499	2107	1752	1376	24391
42.	SHEIKHPURA	687	458	397	708	1735	707	236	418	5346
43.	SHEOHAR	1061	391	329	424	570	544	693	444	4456
44.	SINGHBHUM EAST	189	52	248	79	194	172	132	212	1278
45.	SINGHBHUM WEST	7	0	0	0	0	1	4	3	15
46.	SITAMARHI	4214	805	964	1594	1390	1776	2629	1540	14912
47.	SIWAN	9057	2048	2030	3878	3600	2978	2048	1238	26877
48.	SUPAUL	2681	967	1805	2187	1277	2024	1710	687	13338
49.	VAISHALI	5737	2029	2238	2358	3108	2432	2368	1166	21436
* State Total :		138940	50333	65929	81313	84473	72003	57893	38635	589519

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 Distribution according to ownership

State : BIHAR		(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.	ARARIA	72	1	1	98	12903	16	13091
2.	AURANGABAD	45	1	0	23	8708	0	8777
3.	BANKA	3	0	0	0	5922	0	5925
4.	BEGUSARAI	307	11	1	0	21144	60	21523
5.	BHABUA	347	18	78	16	11164	18	11641
6.	BHAGALPUR	3	0	1	9	10585	0	10598
7.	BHOJPUR	61	8	6	1	14729	0	14805
8.	BUXAR	26	12	17	0	12971	0	13026
9.	CHAMPARAN EAST	2	0	1	6	30597	1	30607
10.	CHAMPARAN WEST	42	0	0	3	21106	7	21158
11.	CHATRA	0	0	0	0	142	0	142
12.	DARBHANGA	40	1	3	9	11827	4	11884
13.	DEOGHAR	0	0	0	0	1	0	1
14.	DHANBAD	1	0	0	0	4	0	5
15.	GAYA	571	6	73	49	23996	2	24697
16.	GIRIDIH	9	0	0	1	358	1	369
17.	GODDA	30	0	1	2	581	0	614
18.	GOPALGANJ	435	194	66	8	16378	99	17180
19.	HAZARIBAG	3	0	0	0	0	0	3
20.	JAMUI	13	0	0	4	3135	1	3153
21.	JEHANABAD	73	0	0	3	17749	0	17825
22.	KATIHAR	42	105	191	5	24174	1	24518
23.	KHAGARIA	2	0	0	2	10702	2	10708
24.	KISHANGANJ	1	0	0	1	8945	0	8947
25.	KODARMA	0	0	0	0	214	0	214
26.	LAKHISARAI	0	0	0	1	4435	0	4436
27.	MADHEPURA	2	0	0	4	14168	0	14174
28.	MADHUBANI	36	0	0	2	14304	52	14394
29.	MUNGER	1	0	0	1	3099	0	3101
30.	MUZAFFARPUR	8	1	24	26	30809	28	30896
31.	NALANDA	160	6	5	29	16408	1	16609
32.	NAWADA	50	9	24	11	15807	0	15901
33.	PAKUR	0	0	0	0	201	0	201
34.	PATNA	52	8	9	20	23359	1	23449
35.	PURNIA	1	0	0	23	24050	10	24084
36.	RANCHI	2	0	0	0	88	0	90
37.	ROHTAS	237	5	17	31	16876	143	17309
38.	SAHARSA	0	0	0	3	9802	6	9811
39.	SAHEBGANJ	42	0	0	1	1721	0	1764
40.	SAMASTIPUR	365	56	4	63	29314	38	29840
41.	SARAN	178	5	0	2	24204	2	24391
42.	SHEIKHPURA	13	0	0	0	5331	2	5346
43.	SHEOHAR	0	0	0	1	4455	0	4456
44.	SINGHBHUM EAST	26	0	0	3	1249	0	1278
45.	SINGHBHUM WEST	4	0	0	0	11	0	15
46.	SITAMARHI	8	7	1	15	14870	11	14912
47.	SIWAN	8	0	0	0	26869	0	26877
48.	SUPAUL	1	0	0	0	13336	1	13338
49.	VAISHALI	527	108	26	12	20605	158	21436
----- * State Total : -----		3849	562	549	488	583406	665	589519

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell according to the holding size

State : BIHAR

(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.	ARARIA	7446	3724	1683	148	13001
2.	AURANGABAD	2794	2716	2929	292	8731
3.	BANKA	2537	1836	1451	98	5922
4.	BEGUSARAI	10945	6480	3390	329	21144
5.	BHABUA	2359	3576	4905	340	11180
6.	BHAGALPUR	4522	3102	2728	242	10594
7.	BHOJPUR	5040	5418	3968	304	14730
8.	BUXAR	3408	4204	4888	471	12971
9.	CHAMPARAN EAST	12293	10386	7449	475	30603
10.	CHAMPARAN WEST	9205	6335	4770	799	21109
11.	CHATRA	27	65	48	2	142
12.	DARBHANGA	5230	4186	2200	220	11836
13.	DEOGHAR	0	1	0	0	1
14.	DHANBAD	4	0	0	0	4
15.	GAYA	7716	9609	6346	374	24045
16.	GIRIDIH	125	164	55	15	359
17.	GODDA	242	228	87	26	583
18.	GOPALGANJ	6835	5824	3282	445	16386
19.	HAZARIBAG	0	0	0	0	0
20.	JAMUI	1295	1319	437	88	3139
21.	JEHANABAD	6740	6225	4559	228	17752
22.	KATIHAR	7556	8795	6904	924	24179
23.	KHAGARIA	5158	3103	2012	431	10704
24.	KISHANGANJ	5770	2729	347	100	8946
25.	KODARMA	23	67	123	1	214
26.	LAKHISARAI	2117	1603	550	166	4436
27.	MADHEPURA	7669	4355	1744	404	14172
28.	MADHUBANI	8985	3707	1485	129	14306
29.	MUNGER	2288	608	182	22	3100
30.	MUZAFFARPUR	9827	11395	9157	456	30835
31.	NALANDA	5752	5966	4409	310	16437
32.	NAWADA	4521	6396	4556	345	15818
33.	PAKUR	51	96	50	4	201

34.	PATNA	9253	8794	4805	527	23379
35.	PURNIA	10742	7220	5688	423	24073
36.	RANCHI	79	9	0	0	88
37.	ROHTAS	5317	4449	6466	675	16907
38.	SAHARSA	6294	1848	1645	18	9805
39.	SAHEBGANJ	967	565	169	21	1722
40.	SAMASTIPUR	13465	9833	5430	649	29377
41.	SARAN	10445	10334	3067	360	24206
42.	SHEIKHPURA	2619	1845	844	23	5331
43.	SHEOHAR	1503	1599	1248	106	4456
44.	SINGHBHUM EAST	293	643	307	9	1252
45.	SINGHBHUM WEST	4	5	2	0	11
46.	SITAMARHI	5962	5158	3513	252	14885
47.	SIWAN	12575	8934	5089	271	26869
48.	SUPAUL	7944	3310	1931	151	13336
49.	VAISHALI	10942	6850	2691	134	20617

* State Total : 246884 195614 129589 11807 583894

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell according to social status

State : BIHAR

(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.	ARARIA	2430	265	10306	13001	90	13091
2.	AURANGABAD	1081	119	7531	8731	46	8777
3.	BANKA	399	17	5506	5922	3	5925
4.	BEGUSARAI	2156	106	18882	21144	379	21523
5.	BHABUA	905	60	10215	11180	461	11641
6.	BHAGALPUR	395	540	9659	10594	4	10598
7.	BHOJPUR	1126	175	13429	14730	75	14805
8.	BUXAR	732	157	12082	12971	55	13026
9.	CHAMPARAN EAST	2872	100	27631	30603	4	30607
10.	CHAMPARAN WEST	2569	264	18276	21109	49	21158
11.	CHATRA	6	0	136	142	0	142
12.	DARBHANGA	1272	51	10513	11836	48	11884
13.	DEOGHAR	0	0	1	1	0	1
14.	DHANBAD	0	1	3	4	1	5
15.	GAYA	2474	182	21389	24045	652	24697

16.	GIRIDIH	14	0	345	359	10	369
17.	GODDA	86	27	470	583	31	614
18.	GOPALGANJ	1501	175	14710	16386	794	17180
19.	HAZARIBAG	0	0	0	0	3	3
20.	JAMUI	238	63	2838	3139	14	3153
21.	JEHANABAD	1865	155	15732	17752	73	17825
22.	KATIHAR	866	1683	21630	24179	339	24518
23.	KHAGARIA	707	18	9979	10704	4	10708
24.	KISHANGANJ	1019	345	7582	8946	1	8947
25.	KODARMA	4	0	210	214	0	214
26.	LAKHISARAI	296	10	4130	4436	0	4436
27.	MADHEPURA	2214	203	11755	14172	2	14174
28.	MADHUBANI	2560	158	11588	14306	88	14394
29.	MUNGER	169	12	2919	3100	1	3101
30.	MUZAFFARPUR	2401	81	28353	30835	61	30896
31.	NALANDA	892	307	15238	16437	172	16609
32.	NAWADA	1251	158	14409	15818	83	15901
33.	PAKUR	3	21	177	201	0	201
34.	PATNA	1543	115	21721	23379	70	23449
35.	PURNIA	2622	1356	20095	24073	11	24084
36.	RANCHI	3	66	19	88	2	90
37.	ROHTAS	1212	71	15624	16907	402	17309
38.	SAHARSA	2763	97	6945	9805	6	9811
39.	SAHEBGANJ	126	117	1479	1722	42	1764
40.	SAMASTIPUR	2632	250	26495	29377	463	29840
41.	SARAN	1495	141	22570	24206	185	24391
42.	SHEIKHPURA	346	11	4974	5331	15	5346
43.	SHEOHAR	197	14	4245	4456	0	4456
44.	SINGHBHUM EAST	65	670	517	1252	26	1278
45.	SINGHBHUM WEST	0	1	10	11	4	15
46.	SITAMARHI	1198	74	13613	14885	27	14912
47.	SIWAN	2429	133	24307	26869	8	26877
48.	SUPAUL	1628	175	11533	13336	2	13338
49.	VAISHALI	1587	112	18918	20617	819	21436
* State Total :		54349	8856	520689	583894	5625	589519

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : BIHAR

(in Nos.)

Sl. No.	Name of District	Type of Tubewells				Total (3 to 6)
		Shallow	Filter	Borewell	Others	

1	2	3	4	5	6	7
1.	ARARIA	12527	52	336	176	13091
2.	AURANGABAD	7965	96	670	46	8777
3.	BANKA	4789	339	781	16	5925
4.	BEGUSARAI	19407	1193	331	592	21523
5.	BHABUA	8707	156	2689	89	11641
6.	BHAGALPUR	9478	139	917	64	10598
7.	BHOJPUR	13869	359	471	106	14805
8.	BUXAR	11275	733	843	175	13026
9.	CHAMPARAN EAST	29939	321	233	114	30607
10.	CHAMPARAN WEST	20459	90	366	243	21158
11.	CHATRA	100	2	40	0	142
12.	DARBHANGA	10974	233	627	50	11884
13.	DEOGHAR	1	0	0	0	1
14.	DHANBAD	4	1	0	0	5
15.	GAYA	19934	174	4320	269	24697
16.	GIRIDIH	193	2	174	0	369
17.	GODDA	585	11	15	3	614
18.	GOPALGANJ	16208	330	565	77	17180
19.	HAZARIBAG	0	2	1	0	3
20.	JAMUI	2420	122	535	76	3153
21.	JEHANABAD	16734	153	910	28	17825
22.	KATIHAR	20588	139	1896	1895	24518
23.	KHAGARIA	10442	151	106	9	10708
24.	KISHANGANJ	5313	9	151	3474	8947
25.	KODARMA	206	0	8	0	214
26.	LAKHISARAI	4081	114	134	107	4436
27.	MADHEPURA	13536	6	298	334	14174
28.	MADHUBANI	14027	194	78	95	14394
29.	MUNGER	2583	124	384	10	3101
30.	MUZAFFARPUR	30258	277	243	118	30896
31.	NALANDA	13290	615	2246	458	16609
32.	NAWADA	14899	467	428	107	15901
33.	PAKUR	201	0	0	0	201
34.	PATNA	20138	513	2576	222	23449
35.	PURNIA	23132	153	524	275	24084
36.	RANCHI	88	2	0	0	90
37.	ROHTAS	13558	574	2903	274	17309
38.	SAHARSA	9800	1	3	7	9811
39.	SAHEBGANJ	1720	2	41	1	1764
40.	SAMASTIPUR	26489	787	710	1854	29840
41.	SARAN	23552	203	475	161	24391
42.	SHEIKHPURA	5239	14	8	85	5346
43.	SHEOHAR	4430	0	24	2	4456
44.	SINGHBHUM EAST	1169	8	98	3	1278
45.	SINGHBHUM WEST	4	7	0	4	15
46.	SITAMARHI	14712	166	4	30	14912
47.	SIWAN	25845	255	431	346	26877
48.	SUPAUL	12332	4	517	485	13338

49. VAISHALI	20320	401	304	411	21436
* State Total :	537520	9694	29414	12891	589519

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : BIHAR

(in Nos.)

Sl. No.	Name of District	T'Wells In Use	Tubewells Not in Use				Total (4 to 8)	Grand Total (3 + 9)	
		Temporary	Abandoned (Salinity)	Dried up	Destroyed	Others			
1	2	3	4	5	6	7	8	9	10
1.	ARARIA	12603	96	0	256	112	24	488	13091
2.	AURANGABAD	8257	351	0	94	48	27	520	8777
3.	BANKA	5872	42	0	7	4	0	53	5925
4.	BEGUSARAI	20913	91	38	156	314	11	610	21523
5.	BHABUA	11562	55	0	12	8	4	79	11641
6.	BHAGALPUR	10523	34	0	16	17	8	75	10598
7.	BHOJPUR	14481	194	0	73	30	27	324	14805
8.	BUXAR	12254	561	0	144	16	51	772	13026
9.	CHAMPARAN EAST	30256	170	0	89	43	49	351	30607
10.	CHAMPARAN WEST	20798	185	0	92	20	63	360	21158
11.	CHATRA	141	0	0	0	1	0	1	142
12.	DARBHANGA	11737	49	0	72	7	19	147	11884
13.	DEOGHAR	1	0	0	0	0	0	0	1
14.	DHANBAD	5	0	0	0	0	0	0	5
15.	GAYA	24168	322	0	161	11	35	529	24697
16.	GIRIDIH	369	0	0	0	0	0	0	369
17.	GODDA	571	21	0	12	9	1	43	614
18.	GOPALGANJ	16738	210	0	169	16	47	442	17180
19.	HAZARIBAG	2	1	0	0	0	0	1	3
20.	JAMUI	2979	66	0	103	5	0	174	3153
21.	JEHANABAD	17504	266	19	13	9	14	321	17825
22.	KATI HAR	24441	58	0	6	10	3	77	24518
23.	KHAGARIA	10535	92	0	21	15	45	173	10708
24.	KISHANGANJ	8387	140	0	52	348	20	560	8947
25.	KODARMA	211	2	0	1	0	0	3	214
26.	LAKHISARAI	4282	16	0	87	44	7	154	4436
27.	MADHEPURA	13596	41	0	22	76	439	578	14174
28.	MADHUBANI	13685	276	305	75	39	14	709	14394
29.	MUNGER	3050	42	4	1	2	2	51	3101
30.	MUZAFFARPUR	30431	295	40	46	65	19	465	30896
31.	NALANDA	16062	406	0	100	33	8	547	16609

32.	NAWADA	15469	238	0	171	19	4	432	15901
33.	PAKUR	201	0	0	0	0	0	0	201
34.	PATNA	22785	345	0	241	51	27	664	23449
35.	PURNIA	23826	38	0	48	87	85	258	24084
36.	RANCHI	90	0	0	0	0	0	0	90
37.	ROHTAS	17118	115	0	49	14	13	191	17309
38.	SAHARSA	9518	270	0	12	1	10	293	9811
39.	SAHEBGANJ	1761	0	0	3	0	0	3	1764
40.	SAMASTIPUR	28567	630	0	338	250	55	1273	29840
41.	SARAN	23675	165	314	158	36	43	716	24391
42.	SHEIKHPURA	5284	35	0	26	0	1	62	5346
43.	SHEOHAR	4331	77	0	11	19	18	125	4456
44.	SINGHBHUM EAST	797	353	0	83	26	19	481	1278
45.	SINGHBHUM WEST	4	0	0	0	11	0	11	15
46.	SITAMARHI	14510	170	0	110	107	15	402	14912
47.	SIWAN	26777	55	0	30	5	10	100	26877
48.	SUPAUL	12862	217	0	41	208	10	476	13338
49.	VAISHALI	21263	102	0	45	16	10	173	21436

* State Total :		575252	6892	720	3246	2152	1257	14267	589519

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : BIHAR		(in Nos.)						
		Source of Finance for constructing Tubewell						
Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	ARARIA	1121	1605	402	1254	4825	3812	13019
2.	AURANGABAD	1798	2211	275	1761	2408	279	8732
3.	BANKA	1375	3051	267	673	548	8	5922
4.	BEGUSARAI	3406	6777	1743	2312	3810	3168	21216
5.	BHABUA	3480	4240	406	1398	1309	461	11294
6.	BHAGALPUR	1632	5778	246	1065	1546	328	10595
7.	BHOJPUR	2457	5779	1332	2214	1791	1171	14744
8.	BUXAR	2611	6087	1215	2113	561	413	13000
9.	CHAMPARAN EAST	2023	13540	1143	1684	3832	8383	30605
10.	CHAMPARAN WEST	1754	7519	623	1716	5060	4444	21116
11.	CHATRA	16	126	0	0	0	0	142
12.	DARBHANGA	969	3104	2018	2713	1877	1163	11844
13.	DEOGHAR	0	0	1	0	0	0	1

14. DHANBAD	0	0	0	4	0	0	4
15. GAYA	6835	14896	278	899	1098	120	24126
16. GIRIDIH	56	304	0	0	0	0	360
17. GODDA	175	286	8	91	23	1	584
18. GOPALGANJ	3079	6242	1169	2680	1756	1819	16745
19. HAZARIBAG	0	0	0	0	0	0	0
20. JAMUI	673	1413	162	347	444	101	3140
21. JEHANABAD	4096	7955	862	2250	2359	230	17752
22. KATIHAR	3063	16416	443	1052	3378	124	24476
23. KHAGARIA	809	3532	903	981	1946	2535	10706
24. KISHANGANJ	79	460	49	1312	4375	2671	8946
25. KODARMA	63	151	0	0	0	0	214
26. LAKHISARAI	660	1380	336	1063	797	200	4436
27. MADHEPURA	721	1524	88	1355	5839	4645	14172
28. MADHUBANI	879	2301	2737	2821	2602	3018	14358
29. MUNGER	440	535	76	303	1643	103	3100
30. MUZAFFARPUR	3283	16185	1875	2364	2460	4721	30888
31. NALANDA	5194	9433	417	729	559	117	16449
32. NAWADA	4566	5545	895	2302	1978	565	15851
33. PAKUR	36	120	0	0	45	0	201
34. PATNA	5346	11162	787	2632	2794	676	23397
35. PURNIA	2121	9116	455	1575	6057	4759	24083
36. RANCHI	0	0	0	83	5	0	88
37. ROHTAS	4086	8601	476	1650	1592	667	17072
38. SAHARSA	39	135	1095	975	4715	2852	9811
39. SAHEBGANJ	735	205	2	1	306	473	1722
40. SAMASTIPUR	6319	13386	2985	2982	2218	1585	29475
41. SARAN	4712	12869	1385	2071	2623	553	24213
42. SHEIKHPURA	717	2287	162	1086	907	174	5333
43. SHEOHAR	650	1948	118	72	476	1192	4456
44. SINGHBHUM EAST	214	194	159	222	336	127	1252
45. SINGHBHUM WEST	0	6	0	5	0	0	11
46. SITAMARHI	633	4009	820	1077	2207	6158	14904
47. SIWAN	1893	12968	1113	2325	4258	4312	26869
48. SUPAUL	621	485	806	1773	3751	5901	13337
49. VAISHALI	3445	10391	1014	1398	3060	1601	20909

* State Total : 88880 236257 31346 59383 94174 75630 585670

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : BIHAR

(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.	ARARIA	241	11	12818	5	16	13091
2.	AURANGABAD	89	107	7324	76	1181	8777
3.	BANKA	12	48	4671	106	1088	5925
4.	BEGUSARAI	75	285	20855	90	218	21523
5.	BHABUA	64	83	11065	77	352	11641
6.	BHAGALPUR	52	56	10456	16	18	10598
7.	BHOJPUR	127	63	13730	116	769	14805
8.	BUXAR	55	42	12191	12	726	13026
9.	CHAMPARAN EAST	56	84	29787	104	576	30607
10.	CHAMPARAN WEST	104	79	20456	237	282	21158
11.	CHATRA	0	0	142	0	0	142
12.	DARBHANGA	14	13	10738	43	1076	11884
13.	DEOGHAR	0	0	0	1	0	1
14.	DHANBAD	0	0	3	0	2	5
15.	GAYA	297	408	21389	238	2365	24697
16.	GIRIDIH	1	0	367	1	0	369
17.	GODDA	3	0	604	1	6	614
18.	GOPALGANJ	83	114	16874	97	12	17180
19.	HAZARIBAG	0	0	3	0	0	3
20.	JAMUI	56	149	2744	136	68	3153
21.	JEHANABAD	56	55	17242	128	344	17825
22.	KATIHAR	33	49	24297	115	24	24518
23.	KHAGARIA	36	158	10469	25	20	10708
24.	KISHANGANJ	16	14	8849	1	67	8947
25.	KODARMA	1	0	193	20	0	214
26.	LAKHISARAI	78	14	4294	3	47	4436
27.	MADHEPURA	11	10	14142	4	7	14174
28.	MADHUBANI	24	325	13840	36	169	14394
29.	MUNGER	6	29	3033	0	33	3101
30.	MUZAFFARPUR	343	102	30360	14	77	30896
31.	NALANDA	180	274	13785	114	2256	16609
32.	NAWADA	145	132	14987	352	285	15901
33.	PAKUR	0	0	194	0	7	201
34.	PATNA	307	116	21073	132	1821	23449
35.	PURNIA	241	22	23793	17	11	24084
36.	RANCHI	0	9	76	0	5	90
37.	ROHTAS	354	168	15149	109	1529	17309
38.	SAHARSA	15	1007	8763	2	24	9811
39.	SAHEBGANJ	1	2	1441	14	306	1764
40.	SAMASTIPUR	292	129	27706	58	1655	29840
41.	SARAN	228	106	23349	161	547	24391
42.	SHEIKHPURA	17	11	3937	77	1304	5346
43.	SHEOHAR	10	6	4399	25	16	4456
44.	SINGHBHUM EAST	22	25	873	13	345	1278
45.	SINGHBHUM WEST	4	0	11	0	0	15
46.	SITAMARHI	43	25	14746	41	57	14912

47.	SIWAN	57	47	26575	97	101	26877
48.	SUPAUL	3	36	13253	15	31	13338
49.	VAISHALI	91	15	20675	19	636	21436

* State Total : 3943 4428 557721 2948 20479 589519

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : BIHAR

(in Nos.)

According to Water Lifting Devices for Tubewell

Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	ARARIA	11	12949	8	0	33	90	13091
2.	AURANGABAD	2229	6291	24	2	221	10	8777
3.	BANKA	283	5602	1	2	36	1	5925
4.	BEGUSARAI	280	21103	47	2	45	46	21523
5.	BHABUA	5987	5603	12	1	10	28	11641
6.	BHAGALPUR	319	10172	12	2	31	62	10598
7.	BHOJPUR	399	14135	52	60	137	22	14805
8.	BUXAR	1220	11580	35	13	105	73	13026
9.	CHAMPARAN EAST	76	30431	12	11	61	16	30607
10.	CHAMPARAN WEST	116	20990	9	4	26	13	21158
11.	CHATRA	36	99	1	0	6	0	142
12.	DARBHANGA	42	11827	1	0	12	2	11884
13.	DEOGHAR	0	1	0	0	0	0	1
14.	DHANBAD	0	1	0	0	4	0	5
15.	GAYA	4604	19856	46	2	70	119	24697
16.	GIRIDIH	265	92	0	0	12	0	369
17.	GODDA	37	531	14	0	30	2	614
18.	GOPALGANJ	93	16977	45	20	39	6	17180
19.	HAZARIBAG	3	0	0	0	0	0	3
20.	JAMUI	803	2270	55	5	17	3	3153
21.	JEHANABAD	1448	16239	77	8	22	31	17825
22.	KATI HAR	44	24365	41	15	19	34	24518
23.	KHAGARIA	5	10460	68	0	44	131	10708
24.	KISHANGANJ	33	8867	0	3	44	0	8947
25.	KODARMA	66	140	0	0	8	0	214
26.	LAKHISARAI	394	4027	3	0	9	3	4436
27.	MADHEPURA	47	14068	30	0	27	2	14174
28.	MADHUBANI	21	14047	80	69	175	2	14394

29. MUNGER	31	2940	1	0	128	1	3101
30. MUZAFFARPUR	115	30743	5	2	27	4	30896
31. NALANDA	968	15310	61	0	123	147	16609
32. NAWADA	5972	9397	244	5	153	130	15901
33. PAKUR	5	195	0	0	1	0	201
34. PATNA	2857	20213	163	21	99	96	23449
35. PURNIA	51	23934	34	1	61	3	24084
36. RANCHI	0	74	0	0	14	2	90
37. ROHTAS	5358	11426	79	2	345	99	17309
38. SAHARSA	3	9799	0	0	9	0	9811
39. SAHEBGANJ	1	1761	0	0	1	1	1764
40. SAMASTIPUR	423	28951	10	6	402	48	29840
41. SARAN	235	23602	252	56	194	52	24391
42. SHEIKHPURA	173	5166	0	0	6	1	5346
43. SHEOHAR	19	4430	4	0	3	0	4456
44. SINGHBHUM EAST	69	834	18	0	274	83	1278
45. SINGHBHUM WEST	0	0	0	0	15	0	15
46. SITAMARHI	28	14825	44	0	15	0	14912
47. SIWAN	7	26634	81	0	153	2	26877
48. SUPAUL	18	13286	5	1	28	0	13338
49. VAISHALI	221	21161	45	0	9	0	21436

* State Total :	35415	547404	1719	313	3303	1365	589519
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* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : BIHAR

(in Nos.)

		According to horse power of lifting devices								
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)	
1	2	3	4	5	6	7	8	9	10	
1.	ARARIA	100	4	12116	806	11	21	33	13091	
2.	AURANGABAD	76	1359	6851	251	12	13	215	8777	
3.	BANKA	38	227	5613	6	2	3	36	5925	
4.	BEGUSARAI	40	12	12682	8636	85	23	45	21523	
5.	BHABUA	66	4033	3850	2829	834	19	10	11641	
6.	BHAGALPUR	73	153	6761	3421	137	22	31	10598	
7.	BHOJPUR	65	33	6701	7060	789	20	137	14805	
8.	BUXAR	145	195	5832	4784	1926	39	105	13026	
9.	CHAMPARAN EAST	53	186	30121	117	7	62	61	30607	
10.	CHAMPARAN WEST	25	263	20160	535	51	98	26	21158	

11.	CHATRA	11	27	98	0	0	0	6	142
12.	DARBHANGA	17	37	11800	13	1	4	12	11884
13.	DEOGHAR	0	0	1	0	0	0	0	1
14.	DHANBAD	0	0	1	0	0	0	4	5
15.	GAYA	304	4167	19855	87	57	158	69	24697
16.	GIRIDIH	4	171	154	0	0	28	12	369
17.	GODDA	1	37	571	0	0	0	5	614
18.	GOPALGANJ	27	5	16607	522	9	9	1	17180
19.	HAZARIBAG	0	0	3	0	0	0	0	3
20.	JAMUI	21	543	2549	9	13	1	17	3153
21.	JEHANABAD	29	1229	16238	300	3	26	0	17825
22.	KATIHAR	523	60	23124	695	35	66	15	24518
23.	KHAGARIA	11	3	2659	7815	215	5	0	10708
24.	KISHANGANJ	1	3	8874	1	0	24	44	8947
25.	KODARMA	28	31	145	0	2	0	8	214
26.	LAKHISARAI	60	269	4041	50	0	7	9	4436
27.	MADHEPURA	9	4	12843	1290	19	2	7	14174
28.	MADHUBANI	76	30	14048	5	1	59	175	14394
29.	MUNGER	4	61	2876	32	12	8	108	3101
30.	MUZAFFARPUR	32	101	30514	172	10	40	27	30896
31.	NALANDA	391	201	15720	63	26	85	123	16609
32.	NAWADA	1155	4875	9558	73	11	76	153	15901
33.	PAKUR	0	1	199	0	0	0	1	201
34.	PATNA	95	2002	20054	1028	121	50	99	23449
35.	PURNIA	11	12	23798	180	0	22	61	24084
36.	RANCHI	74	0	2	0	0	0	14	90
37.	ROHTAS	186	2574	9129	4671	314	90	345	17309
38.	SAHARSA	3	0	9759	38	0	2	9	9811
39.	SAHEBGANJ	0	0	1760	2	0	1	1	1764
40.	SAMASTIPUR	978	31	28129	94	158	48	402	29840
41.	SARAN	1655	143	21815	378	162	44	194	24391
42.	SHEIKHPURA	3	60	5232	37	2	6	6	5346
43.	SHEOHAR	1	1	4439	7	1	4	3	4456
44.	SINGHBHUM EAST	66	12	888	25	13	0	274	1278
45.	SINGHBHUM WEST	0	0	0	0	0	0	15	15
46.	SITAMARHI	3	42	14799	32	18	3	15	14912
47.	SIWAN	230	16	23712	2573	172	21	153	26877
48.	SUPAUL	14	3	13119	160	1	13	28	13338
49.	VAISHALI	68	184	20924	236	5	10	9	21436
----- * State Total : -----		6772	23400	500724	49033	5235	1232	3123	589519

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : BIHAR

(in Nos.)

Sl. No.	Name of District	Location of Tubewell			According to Average Pumping Hours during peak season						
		On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
		3	4	5	6	7	8	9	10	11	12
1.	ARARIA	46	13045	13091	617	9525	2692	256	1	0	13091
2.	AURANGABAD	2255	6522	8777	2231	5935	541	45	22	3	8777
3.	BANKA	1697	4228	5925	1191	4285	300	111	38	0	5925
4.	BEGUSARAI	208	21315	21523	3112	17125	1059	180	45	2	21523
5.	BHABUA	2432	9209	11641	2669	7894	980	30	38	30	11641
6.	BHAGALPUR	298	10300	10598	900	9440	238	17	3	0	10598
7.	BHOJPUR	3738	11067	14805	1655	9886	2696	275	224	69	14805
8.	BUXAR	4842	8184	13026	2487	9748	769	13	9	0	13026
9.	CHAMPARAN EAST	2584	28023	30607	4542	23855	2127	70	12	1	30607
10.	CHAMPARAN WEST	2804	18354	21158	4357	14257	2317	166	56	5	21158
11.	CHATRA	0	142	142	32	104	6	0	0	0	142
12.	DARBHANGA	40	11844	11884	996	9975	828	65	20	0	11884
13.	DEOGHAR	0	1	1	1	0	0	0	0	0	1
14.	DHANBAD	0	5	5	3	2	0	0	0	0	5
15.	GAYA	1230	23467	24697	6137	17333	981	200	30	16	24697
16.	GIRIDIH	0	369	369	148	187	34	0	0	0	369
17.	GODDA	21	593	614	124	372	99	16	3	0	614
18.	GOPALGANJ	1007	16173	17180	1317	14248	1427	155	30	3	17180
19.	HAZARIBAG	2	1	3	0	3	0	0	0	0	3
20.	JAMUI	344	2809	3153	1333	1716	60	19	20	5	3153
21.	JEHANABAD	1113	16712	17825	2774	13937	971	128	15	0	17825
22.	KATI HAR	441	24077	24518	4706	17428	1988	251	27	118	24518
23.	KHAGARIA	32	10676	10708	1249	8810	648	1	0	0	10708
24.	KISHANGANJ	5	8942	8947	2335	6337	265	6	0	4	8947
25.	KODARMA	0	214	214	100	102	9	3	0	0	214
26.	LAKHISARAI	535	3901	4436	541	3692	190	12	1	0	4436
27.	MADHEPURA	441	13733	14174	1112	12412	650	0	0	0	14174
28.	MADHUBANI	894	13500	14394	2045	10951	1047	235	93	23	14394
29.	MUNGER	900	2201	3101	226	2323	541	8	3	0	3101
30.	MUZAFFARPUR	212	30684	30896	8167	20919	1213	371	136	90	30896
31.	NALANDA	60	16549	16609	2833	12636	1073	37	28	2	16609
32.	NAWADA	246	15655	15901	3405	11309	858	137	191	1	15901
33.	PAKUR	0	201	201	72	125	4	0	0	0	201
34.	PATNA	1695	21754	23449	3374	19007	980	52	23	13	23449
35.	PURNIA	841	23243	24084	1634	20307	1997	117	28	1	24084
36.	RANCHI	0	90	90	18	72	0	0	0	0	90
37.	ROHTAS	8664	8645	17309	6725	9762	503	23	5	291	17309
38.	SAHARSA	448	9363	9811	2964	5202	1625	20	0	0	9811
39.	SAHEBGANJ	0	1764	1764	268	1445	51	0	0	0	1764
40.	SAMASTIPUR	812	29028	29840	4895	24148	785	10	2	0	29840
41.	SARAN	584	23807	24391	932	18770	4451	230	4	4	24391
42.	SHEIKHPURA	185	5161	5346	3297	1721	323	1	4	0	5346
43.	SHEOHAR	2	4454	4456	523	3838	95	0	0	0	4456

44.	SINGHBHUM EAST	8	1270	1278	672	529	54	19	4	0	1278
45.	SINGHBHUM WEST	0	15	15	15	0	0	0	0	0	15
46.	SITAMARHI	74	14838	14912	2027	11766	1081	29	9	0	14912
47.	SIWAN	661	26216	26877	2208	19975	3785	823	85	1	26877
48.	SUPAUL	106	13232	13338	484	12435	419	0	0	0	13338
49.	VAISHALI	84	21352	21436	3278	17409	737	9	3	0	21436

* State Total :		42591	546928	589519	96731	443257	43497	4140	1212	682	589519

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 Average length of Water Conveyance Channel

State : BIHAR

(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.	ARARIA	13091	0	189	1
2.	AURANGABAD	8777	1	77	0
3.	BANKA	5925	0	52	0
4.	BEGUSARAI	21523	1	214	1
5.	BHABUA	11641	2	64	1
6.	BHAGALPUR	10598	0	119	0
7.	BHOJPUR	14805	2	95	0
8.	BUXAR	13026	0	67	0
9.	CHAMPARAN EAST	30607	0	134	0
10.	CHAMPARAN WEST	21158	0	87	0
11.	CHATRA	142	4	44	0
12.	DARBHANGA	11884	0	101	0
13.	DEOGHAR	1	0	20	0
14.	DHANBAD	5	0	25	0
15.	GAYA	24697	2	86	1
16.	GIRIDIH	369	0	66	0
17.	GODDA	614	0	78	0
18.	GOPALGANJ	17180	1	145	0
19.	HAZARIBAG	3	50	300	0
20.	JAMUI	3153	2	73	5
21.	JEHANABAD	17825	1	106	0
22.	KATI HAR	24518	0	124	2
23.	KHAGARIA	10708	0	164	0
24.	KISHANGANJ	8947	0	152	0
25.	KODARMA	214	0	136	39

26.	LAKHISARAI	4436	2	100	0
27.	MADHEPURA	14174	0	198	0
28.	MADHUBANI	14394	0	118	0
29.	MUNGER	3101	1	110	0
30.	MUZAFFARPUR	30896	0	156	0
31.	NALANDA	16609	2	71	1
32.	NAWADA	15901	2	69	2
33.	PAKUR	201	0	91	1
34.	PATNA	23449	7	109	1
35.	PURNIA	24084	0	95	0
36.	RANCHI	90	0	15	0
37.	ROHTAS	17309	1	35	0
38.	SAHARSA	9811	0	115	0
39.	SAHEBGANJ	1764	0	172	0
40.	SAMASTIPUR	29840	2	155	47
41.	SARAN	24391	1	105	0
42.	SHEIKHPURA	5346	0	142	0
43.	SHEOHAR	4456	0	141	0
44.	SINGHBHUM EAST	1278	0	129	0
45.	SINGHBHUM WEST	15	0	0	0
46.	SITAMARHI	14912	0	101	0
47.	SIWAN	26877	1	163	0
48.	SUPAUL	13338	0	254	0
49.	VAISHALI	21436	1	130	0

 * State Average: 589519 4 114 8

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : BIHAR

(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.	ARARIA	37788	25029	28181	2057	10463	65730
2.	AURANGABAD	18649	14331	11370	341	1708	27750
3.	BANKA	15887	8718	8029	617	1105	18469
4.	BEGUSARAI	81203	23787	71338	4489	5534	105148
5.	BHABUA	31091	22850	20218	1044	557	44669
6.	BHAGALPUR	33354	14109	23396	3075	8037	48617
7.	BHOJPUR	50615	26959	34087	3578	2644	67268
8.	BUXAR	41453	30186	30606	779	736	62307

9.	CHAMPARAN EAST	108221	57437	73216	7923	5286	143862
10.	CHAMPARAN WEST	60743	40723	41764	3051	1959	87497
11.	CHATRA	375	255	227	14	4	500
12.	DARBHANGA	43694	21380	33914	3127	3702	62123
13.	DEOGHAR	2	2	1	0	0	3
14.	DHANBAD	2	1	1	0	0	2
15.	GAYA	48436	32286	29402	1391	896	63975
16.	GIRIDIH	937	725	702	243	237	1907
17.	GODDA	1863	1254	1266	276	120	2916
18.	GOPALGANJ	52061	25063	40765	2918	1453	70199
19.	HAZARIBAG	16	2	15	0	0	17
20.	JAMUI	6474	3884	3987	459	472	8802
21.	JEHANABAD	67688	38319	29996	2459	32100	102874
22.	KATIHAR	74832	32370	51956	5354	10171	99851
23.	KHAGARIA	44630	19339	40652	1266	20521	81778
24.	KISHANGANJ	27168	8523	22528	350	2499	33900
25.	KODARMA	458	229	235	9	0	473
26.	LAKHISARAI	14648	5821	10124	313	598	16856
27.	MADHEPURA	49348	30011	39999	1320	1264	72594
28.	MADHUBANI	53436	23140	37767	5389	5006	71302
29.	MUNGER	10292	7327	8049	99	9	15484
30.	MUZAFFARPUR	101413	46466	79648	7961	9602	143677
31.	NALANDA	51773	30005	28350	2620	1056	62031
32.	NAWADA	39733	23419	24975	2791	1218	52403
33.	PAKUR	593	174	393	42	308	917
34.	PATNA	51762	31783	32350	2251	5211	71595
35.	PURNIA	70554	30430	50099	4785	2200	87514
36.	RANCHI	67	29	39	5	1	74
37.	ROHTAS	40805	30754	30296	1235	722	63007
38.	SAHARSA	26735	12744	20355	482	3967	37548
39.	SAHEBGANJ	4635	368	4111	238	301	5018
40.	SAMASTIPUR	117074	45118	86753	9579	7876	149326
41.	SARAN	84847	25379	64058	5253	2550	97240
42.	SHEIKHPURA	14302	8725	7070	1176	434	17405
43.	SHEOHAR	12906	6480	10068	266	215	17029
44.	SINGHBHUM EAST	2072	1052	1267	88	176	2583
45.	SINGHBHUM WEST	9	4	6	0	0	10
46.	SITAMARHI	55431	24303	39245	7684	6269	77501
47.	SIWAN	94360	67336	88495	845	672	157348
48.	SUPAUL	46062	18844	30748	2920	6556	59068
49.	VAISHALI	63320	30535	40201	9261	6958	86955
* State Total :		1853817	948008	1332318	111423	173373	2565122

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : BIHAR

(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.	ARARIA	18171	24012	1717	5164	49064
2.	AURANGABAD	9314	6922	218	208	16662
3.	BANKA	7310	6515	447	701	14973
4.	BEGUSARAI	11164	57675	3239	2859	74937
5.	BHABUA	19641	16482	531	244	36898
6.	BHAGALPUR	10860	18406	2603	1354	33223
7.	BHOJPUR	22012	25858	1735	1235	50840
8.	BUXAR	25885	23672	561	391	50509
9.	CHAMPARAN EAST	47121	64058	5594	3987	120760
10.	CHAMPARAN WEST	35160	33940	2529	1681	73310
11.	CHATRA	195	184	12	4	395
12.	DARBHANGA	15967	27742	2078	2434	48221
13.	DEOGHAR	1	1	0	0	2
14.	DHANBAD	1	0	0	0	1
15.	GAYA	26818	22818	1094	585	51315
16.	GIRIDIH	676	561	14	26	1277
17.	GODDA	1082	1067	245	92	2486
18.	GOPALGANJ	17663	32439	1895	851	52848
19.	HAZARIBAG	0	9	0	0	9
20.	JAMUI	2712	2965	445	427	6549
21.	JEHANABAD	28236	21419	1984	1324	52963
22.	KATIHAR	23420	36906	4002	5005	69333
23.	KHAGARIA	3874	35301	1194	605	40974
24.	KISHANGANJ	3773	13481	150	1309	18713
25.	KODARMA	146	136	0	0	282
26.	LAKHISARAI	4994	7904	212	426	13536
27.	MADHEPURA	21737	33144	454	348	55683
28.	MADHUBANI	17020	29167	3413	3382	52982
29.	MUNGER	6095	6062	60	18	12235
30.	MUZAFFARPUR	24293	61731	4705	2459	93188
31.	NALANDA	23887	19448	1543	624	45502
32.	NAWADA	19172	19185	2096	954	41407
33.	PAKUR	144	292	36	7	479
34.	PATNA	25742	24174	1627	2615	54158
35.	PURNIA	25283	43636	4447	1649	75015
36.	RANCHI	2	19	4	3	28
37.	ROHTAS	22223	20116	849	528	43716
38.	SAHARSA	11087	17526	452	3349	32414
39.	SAHEBGANJ	318	3774	233	284	4609
40.	SAMASTIPUR	34915	70301	7993	4188	117397
41.	SARAN	16765	53136	3874	1741	75516
42.	SHEIKHPURA	6978	5523	806	192	13499

43.	SHEOHAR	5181	7019	204	110	12514
44.	SINGHBHUM EAST	817	721	66	125	1729
45.	SINGHBHUM WEST	0	0	0	0	0
46.	SITAMARHI	17743	30273	5056	4357	57429
47.	SIWAN	22261	71302	630	506	94699
48.	SUPAUL	15377	26436	1844	3571	47228
49.	VAISHALI	19725	34165	7990	5488	67368

* State Total :		672961	1057623	80881	67410	1878875

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 Irrigation through supplementary sources

State : BIHAR

(in Ha.)

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

1.	ARARIA	100	24	4	8	136
2.	AURANGABAD	1892	1419	19	18	3348
3.	BANKA	986	561	28	18	1593
4.	BEGUSARAI	10	143	10	4	167
5.	BHABUA	2552	2038	77	72	4739
6.	BHAGALPUR	19	6	2	0	27
7.	BHOJPUR	4158	3627	286	170	8241
8.	BUXAR	9225	7451	43	32	16751
9.	CHAMPARAN EAST	855	831	30	60	1776
10.	CHAMPARAN WEST	3238	2840	586	243	6907
11.	CHATRA	16	0	0	0	16
12.	DARBHANGA	19	22	0	0	41
13.	DEOGHAR	0	0	0	0	0
14.	DHANBAD	0	0	0	0	0
15.	GAYA	2336	1164	54	11	3565
16.	GIRIDIH	0	0	0	0	0
17.	GODDA	15	12	5	0	32
18.	GOPALGANJ	415	582	35	28	1060
19.	HAZARIBAG	0	9	0	0	9
20.	JAMUI	997	1038	209	180	2424
21.	JEHANABAD	1088	894	28	368	2378
22.	KATIHAR	499	365	232	41	1137
23.	KHAGARIA	24	532	3	3	562
24.	KISHANGANJ	0	2	0	2	4
25.	KODARMA	0	0	0	0	0

26.	LAKHISARAI	928	476	8	68	1480
27.	MADHEPURA	605	638	0	0	1243
28.	MADHUBANI	981	994	544	136	2655
29.	MUNGER	3427	3332	1	0	6760
30.	MUZAFFARPUR	30	45	0	5	80
31.	NALANDA	288	75	6	3	372
32.	NAWADA	973	177	65	23	1238
33.	PAKUR	0	0	0	0	0
34.	PATNA	1693	1489	252	168	3602
35.	PURNIA	1297	1242	292	66	2897
36.	RANCHI	0	0	0	0	0
37.	ROHTAS	7521	6768	110	81	14480
38.	SAHARSA	21	953	30	2	1006
39.	SAHEBGANJ	0	0	0	0	0
40.	SAMASTIPUR	628	693	475	179	1975
41.	SARAN	325	1459	102	6	1892
42.	SHEIKHPURA	150	18	3	0	171
43.	SHEOHAR	2	6	0	1	9
44.	SINGHBHUM EAST	1	0	0	0	1
45.	SINGHBHUM WEST	0	0	0	0	0
46.	SITAMARHI	19	21	1	4	45
47.	SIWAN	597	1156	3	163	1919
48.	SUPAUL	117	86	0	39	242
49.	VAISHALI	3	1	0	0	4

* State Total :		48050	43189	3543	2202	96984

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : BIHAR

(in Nos.)

		No. of T'wells in use	No. of T'wells with no cons'tnts	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.	ARARIA	12603	62	930	2166	1088	8357	12541	12603
2.	AURANGABAD	8257	18	733	661	814	6031	8239	8257
3.	BANKA	5872	0	477	1147	1233	3015	5872	5872
4.	BEGUSARAI	20913	5	1949	4958	365	13636	20908	20913
5.	BHABUA	11562	0	2149	1431	1375	6607	11562	11562
6.	BHAGALPUR	10523	12	350	811	2262	7088	10511	10523
7.	BHOJPUR	14481	13	1382	3580	1349	8157	14468	14481

8.	BUXAR	12254	19	1172	1698	515	8850	12235	12254
9.	CHAMPARAN EAST	30256	0	2511	6945	1499	19301	30256	30256
10.	CHAMPARAN WEST	20798	5	1083	2288	2188	15234	20793	20798
11.	CHATRA	141	0	9	26	24	82	141	141
12.	DARBHANGA	11737	973	921	2440	1104	6299	10764	11737
13.	DEOGHAR	1	0	0	0	1	0	1	1
14.	DHANBAD	5	0	0	0	5	0	5	5
15.	GAYA	24168	21	6044	1703	2516	13884	24147	24168
16.	GIRIDIH	369	0	85	0	136	148	369	369
17.	GODDA	571	0	30	68	60	413	571	571
18.	GOPALGANJ	16738	0	66	3386	387	12899	16738	16738
19.	HAZARIBAG	2	0	0	0	2	0	2	2
20.	JAMUI	2979	1	652	239	901	1186	2978	2979
21.	JEHANABAD	17504	64	4323	5043	1560	6514	17440	17504
22.	KATIHAR	24441	1726	627	1701	550	19837	22715	24441
23.	KHAGARIA	10535	48	1175	1424	325	7563	10487	10535
24.	KISHANGANJ	8387	2080	2263	743	1791	1510	6307	8387
25.	KODARMA	211	0	23	17	122	49	211	211
26.	LAKHISARAI	4282	11	198	304	476	3293	4271	4282
27.	MADHEPURA	13596	12	826	566	1702	10490	13584	13596
28.	MADHUBANI	13685	0	1800	2156	1517	8212	13685	13685
29.	MUNGER	3050	586	13	391	1467	593	2464	3050
30.	MUZAFFARPUR	30431	275	3507	5867	4821	15961	30156	30431
31.	NALANDA	16062	7	1540	3266	3280	7969	16055	16062
32.	NAWADA	15469	10	3889	2257	3127	6186	15459	15469
33.	PAKUR	201	0	5	10	136	50	201	201
34.	PATNA	22785	21	1621	3142	1074	16927	22764	22785
35.	PURNIA	23826	46	688	4108	940	18044	23780	23826
36.	RANCHI	90	1	0	0	84	5	89	90
37.	ROHTAS	17118	45	2826	1644	1211	11392	17073	17118
38.	SAHARSA	9518	0	457	480	193	8388	9518	9518
39.	SAHEBGANJ	1761	0	616	8	50	1087	1761	1761
40.	SAMASTIPUR	28567	22	2834	4169	3992	17550	28545	28567
41.	SARAN	23675	1833	1738	7564	640	11900	21842	23675
42.	SHEIKHPURA	5284	0	102	516	2376	2290	5284	5284
43.	SHEOHAR	4331	1	1422	561	28	2319	4330	4331
44.	SINGHBHUM EAST	797	1	122	141	189	344	796	797
45.	SINGHBHUM WEST	4	0	0	0	4	0	4	4
46.	SITAMARHI	14510	0	4713	3031	653	6113	14510	14510
47.	SIWAN	26777	13	428	1027	468	24841	26764	26777
48.	SUPAUL	12862	15	1901	1684	440	8822	12847	12862
49.	VAISHALI	21263	7	1407	7611	906	11332	21256	21263

* State Total :

575252

7953

61607

92978

51946

360768

567299

575252

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

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : DELHI

(in Nos.)

Construction of 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	277	17	17	14	11	9	1	0	346
2.	NORTH-EAST	455	6	6	4	0	0	0	0	471
3.	NORTH-WEST	588	640	563	567	491	354	289	183	3675
4.	SOUTH-WEST	3312	251	214	136	100	87	30	50	4180
5.	WEST	175	42	18	23	39	10	18	23	348
* State Total :		4807	956	818	744	641	460	338	256	9020

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 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
1.	EAST	0	0	0	0	346	0
2.	NORTH-EAST	0	0	0	0	471	0
3.	NORTH-WEST	0	0	0	0	3675	0
4.	SOUTH-WEST	0	0	0	0	4180	0
5.	WEST	0	0	0	0	348	0
* State Total :		0	0	0	0	9020	0

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell 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.	EAST	104	124	118	0	346
2.	NORTH-EAST	227	129	115	0	471
3.	NORTH-WEST	1169	1552	920	34	3675
4.	SOUTH-WEST	1479	1521	1169	11	4180
5.	WEST	169	78	101	0	348
* State Total :		3148	3404	2423	45	9020

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

MINOR IRRIGATION CENSUS(1993-94)**SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2****Table 2.4 Distribution of Tubewell 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.	EAST	16	0	330	346	0	346
2.	NORTH-EAST	128	1	342	471	0	471
3.	NORTH-WEST	11	19	3645	3675	0	3675
4.	SOUTH-WEST	130	10	4040	4180	0	4180
5.	WEST	2	1	345	348	0	348
* State Total :		287	31	8702	9020	0	9020

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

MINOR IRRIGATION CENSUS(1993-94)**SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2****Table 2.5 Distribution of Tubewell by its type**

State : DELHI		(in Nos.)				
		Type of Tubewells				
Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7
1.	EAST	345	1	0	0	346
2.	NORTH-EAST	470	0	1	0	471
3.	NORTH-WEST	3667	4	1	3	3675
4.	SOUTH-WEST	4165	8	6	1	4180
5.	WEST	267	1	80	0	348
* State Total :		8914	14	88	4	9020

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : DELHI		(in Nos.)							
Sl. No.	Name of District	T'Wells In Use	Tubewells Not in Use					Total (4 to 8)	Grand Total (3 + 9)
			Temporary	Abandoned (Salinity)	Dried up	Destroyed	Others		
1	2	3	4	5	6	7	8	9	10
1.	EAST	344	2	0	0	0	0	2	346
2.	NORTH-EAST	469	1	0	0	1	0	2	471
3.	NORTH-WEST	3668	5	1	1	0	0	7	3675
4.	SOUTH-WEST	4155	14	2	2	4	3	25	4180
5.	WEST	348	0	0	0	0	0	0	348
* State Total :		8984	22	3	3	5	3	36	9020

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : DELHI (in Nos.)

		Source of Finance for constructing Tubewell						
Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	EAST	1	344	1	0	0	0	346
2.	NORTH-EAST	3	467	1	0	0	0	471
3.	NORTH-WEST	2	3665	8	0	0	0	3675
4.	SOUTH-WEST	26	4142	9	1	1	1	4180
5.	WEST	0	347	1	0	0	0	348
* State Total :		32	8965	20	1	1	1	9020

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : DELHI

(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	2	1	343	0	0	346	
2.	NORTH-EAST	2	2	467	0	0	471	
3.	NORTH-WEST	4	16	3653	1	1	3675	
4.	SOUTH-WEST	15	20	3861	283	1	4180	
5.	WEST	0	2	346	0	0	348	
* State Total :		23	41	8670	284	2	9020	

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : DELHI

(in Nos.)

According to Water Lifting Devices for Tubewell								
Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	EAST	135	208	0	0	2	1	346
2.	NORTH-EAST	2	468	1	0	0	0	471
3.	NORTH-WEST	3611	58	0	1	5	0	3675
4.	SOUTH-WEST	4167	5	3	2	2	1	4180
5.	WEST	330	15	0	0	2	1	348

* State Total :		8245	754	4	3	11	3	9020

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : DELHI		(in Nos.)							
		According to horse power of lifting devices							
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
1.	EAST	0	0	339	0	0	5	2	346
2.	NORTH-EAST	0	0	471	0	0	0	0	471
3.	NORTH-WEST	7	18	2971	563	82	29	5	3675
4.	SOUTH-WEST	9	3847	303	7	4	8	2	4180
5.	WEST	0	29	302	6	3	6	2	348
* State Total :		16	3894	4386	576	89	48	11	9020

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : DELHI (in Nos.)

Sl. No.	Name of District	Location of Tubewell			According to Average Pumping Hours during peak season						
		On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	EAST	0	346	346	6	338	2	0	0	0	346
2.	NORTH-EAST	0	471	471	1	470	0	0	0	0	471
3.	NORTH-WEST	2	3673	3675	122	1319	2127	97	9	1	3675
4.	SOUTH-WEST	8	4172	4180	764	2361	1034	17	4	0	4180
5.	WEST	142	206	348	14	293	30	11	0	0	348
* State Total :		152	8868	9020	907	4781	3193	125	13	1	9020

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 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.	EAST	346	20	356	1
2.	NORTH-EAST	471	10	100	0
3.	NORTH-WEST	3675	2	71	0
4.	SOUTH-WEST	4180	18	128	16
5.	WEST	348	2	143	0
* State Average:		9020	10	159	8

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : DELHI	(in Ha.)
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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.	EAST	815	731	735	2	0	1468
2.	NORTH-EAST	1715	1724	1713	0	2	3439
3.	NORTH-WEST	13733	9065	13839	11	33	22948
4.	SOUTH-WEST	7640	7186	7620	44	3	14853
5.	WEST	736	604	852	0	0	1456
* State Total :		24639	19310	24759	57	38	44164

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : DELHI		(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.	EAST	729	729	2	0	1460
2.	NORTH-EAST	1708	1708	0	0	3416
3.	NORTH-WEST	8939	13735	0	0	22674
4.	SOUTH-WEST	6407	7467	65	4	13943
5.	WEST	549	772	0	0	1321
* State Total :		18332	24411	67	4	42814

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 Irrigation through supplementary sources

State : DELHI		(in Ha.)				
Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Khariif	Rabi	Perenial	Others	Total

1	2	3	4	5	6	7
1.	EAST	0	0	0	0	0
2.	NORTH-EAST	0	0	0	0	0
3.	NORTH-WEST	0	0	0	0	0
4.	SOUTH-WEST	0	0	0	0	0
5.	WEST	0	0	0	0	0
* State Total :		0	0	0	0	0

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : DELHI

(in Nos.)

Sl. No.	Name of District	No. of T'wells in use	No. of T'wells with no cons'nts	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.	EAST	344	3	340	0	0	1	341	344
2.	NORTH-EAST	469	0	468	1	0	0	469	469
3.	NORTH-WEST	3668	3663	0	0	0	5	5	3668
4.	SOUTH-WEST	4155	2997	350	165	117	526	1158	4155
5.	WEST	348	33	279	35	1	0	315	348
* State Total :		8984	6696	1437	201	118	532	2288	8984

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : GOA

(in Nos.)

Sl. No.	Name of District	Construction of 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.	NORTH GOA	0	0	0	9	6	4	1	0	20
2.	SOUTH GOA	6	0	0	0	0	0	2	0	8
State Total :		6	0	0	9	6	4	3	0	28

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 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	0	0	0	4	16	0	20
2.	SOUTH GOA	0	1	0	2	5	0	8
State Total :		0	1	0	6	21	0	28

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell according to the holding size

State : GOA (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.	NORTH GOA	2	11	6	1	20
2.	SOUTH GOA	4	1	2	0	7
State Total :		6	12	8	1	27

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell according to social status

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	20	20	0	20
2.	SOUTH GOA	0	0	7	7	1	8
State Total :		0	0	27	27	1	28

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : GOA		(in Nos.)				
Sl. No.	Name of District	Type of Tubewells				
		Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7
1.	NORTH GOA	8	5	7	0	20
2.	SOUTH GOA	1	2	4	1	8
State Total :		9	7	11	1	28

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : GOA		(in Nos.)							
Sl. No.	Name of District	T'Wells In Use	Tubewells Not in Use					Total (4 to 8)	Grand Total (3 + 9)
			Temporary	Abandoned (Salinity)	Dried up	Destroyed	Others		
1	2	3	4	5	6	7	8	9	10

1. NORTH GOA	20	0	0	0	0	0	0	20
2. SOUTH GOA	6	0	0	0	0	2	2	8

State Total :	26	0	0	0	0	2	2	28

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : GOA		(in Nos.)						
		Source of Finance for constructing Tubewell						
Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	NORTH GOA	9	1	2	1	7	0	20
2.	SOUTH GOA	0	3	1	3	1	0	8
State Total :		9	4	3	4	8	0	28

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell 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	0	0	10	10	0	20
2.	SOUTH GOA	1	1	4	0	2	8

State Total :		1	1	14	10	2	28

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : GOA (in Nos.)

According to Water Lifting Devices for Tubewell								
Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
	1. NORTH GOA	20	0	0	0	0	0	20
	2. SOUTH GOA	6	1	0	0	0	1	8
State Total :		26	1	0	0	0	1	28

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : GOA (in Nos.)

According to horse power of lifting devices									
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
	1. NORTH GOA	4	12	2	1	1	0	0	20
	2. SOUTH GOA	3	3	1	1	0	0	0	8
State Total :		7	15	3	2	1	0	0	28

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : GOA (in Nos.)

According to Average Pumping Hours during peak season											
		Location of Tubewell									
Sl. No.	Name of District	On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	NORTH GOA	0	20	20	15	5	0	0	0	0	20
2.	SOUTH GOA	0	8	8	4	2	2	0	0	0	

State Total : 0 28 28 19 7 2 0 0 0 28

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 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	20	0	4	74
2.	SOUTH GOA	8	50	58	33
State Average:		28	50	31	53

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : GOA

(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.	NORTH GOA	42	0	5	37	1	43
2.	SOUTH GOA	9	0	0	8	1	9
State Total :		51	0	5	45	2	52

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : GOA

(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.	NORTH GOA	0	1	25	1	27
2.	SOUTH GOA	0	0	8	1	9
State Total :		0	1	33	2	36

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 Irrigation through supplimentary 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	0	0	0	0
2.	SOUTH GOA	0	0	0	0	0
State Total :		0	0	0	0	0

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : GOA

(in Nos.)

		No. of	No. of	Constraints in utilisation of Irri. Pot. Created					Grand
Sl. No.	Name of District	T'wells	T'wells	-----	-----	-----	-----	-----	Total
		in use	with no	Inadequate	Mechanical	Less Water	Other	Total	
			cons'nts	Powers	Break down	Discharge	Reason	(5 to 8)	(4 + 9)
1	2	3	4	5	6	7	8	9	10
1.	NORTH GOA	20	0	0	0	13	7	20	20
2.	SOUTH GOA	6	0	0	0	0	6	6	6
State Total :		26	0	0	0	13	13	26	26

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.1 Construction of Tubewell over the year

State : HARYANA

(in Nos.)

Construction of 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	7183	2220	1776	1522	957	561	306	219	14744
2.	BHIWANI	6279	1769	2044	2620	1860	1421	1238	1241	18472
3.	FARIDABAD	13779	3604	2665	2210	1438	978	669	262	25605
4.	GURGAON	13740	2165	1820	9226	988	454	245	102	28740
5.	HISAR	16849	6031	5690	4909	3653	3276	2733	2231	45372
6.	JIND	8496	5608	4065	4001	3205	2399	1160	785	29719
7.	KAITHAL	5280	6152	5392	5374	3824	2943	1334	666	30965
8.	KARNAL	22318	9127	6703	5468	3555	2546	1549	1036	52302
9.	KURUKSHETRA	17885	5159	3866	3266	2759	1648	892	432	35907
10.	MEHANDERGARH	11505	3944	2720	2676	1415	948	603	419	24230
11.	PANCHKULA	258	115	166	153	195	141	85	70	1183
12.	PANIPAT	7387	4288	3998	3469	2550	2015	1800	843	26350
13.	RIWARI	10283	3665	2667	2751	1771	1156	633	332	23258
14.	ROHTAK	12183	9662	7437	7851	5982	4256	2075	1209	50655
15.	SIRSA	8663	3596	2974	2971	2680	1870	1209	759	24722
16.	SONIPAT	11904	6738	5459	4571	3044	2295	1402	717	36130
17.	YAMUNA NAGAR	14212	3346	2658	2346	1585	893	612	288	25940
State Total :		188204	77189	62100	65384	41461	29800	18545	11611	494294

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.2 Distribution according to ownership

State : HARYANA

(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.	AMBALA	181	13	28	5830	8684	8	14744
2.	BHIWANI	1	1	15	6347	12106	2	18472
3.	FARIDABAD	98	47	64	11327	14063	6	25605

4.	GURGAON	21	4	209	19905	8568	33	28740
5.	HISAR	10	5	189	9164	36003	1	45372
6.	JIND	9	26	110	13788	15759	27	29719
7.	KAITHAL	22	62	227	18716	11924	14	30965
8.	KARNAL	94	75	416	29767	21913	37	52302
9.	KURUKSHETRA	75	30	189	21748	13805	60	35907
10.	MEHANDERGARH	97	50	185	16925	6942	31	24230
11.	PANCHKULA	2	0	1	716	452	12	1183
12.	PANIPAT	43	62	164	16054	10011	16	26350
13.	RIWARI	44	72	226	15383	7518	15	23258
14.	ROHTAK	38	69	423	28183	21623	319	50655
15.	SIRSA	27	21	109	11873	12674	18	24722
16.	SONIPAT	33	50	151	19859	16005	32	36130
17.	YAMUNA NAGAR	70	31	105	15357	10338	39	25940
----- State Total :		865	618	2811	260942	228388	670	494294

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell according to the holding size

State : HARYANA

(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.	AMBALA	1388	4021	8741	364	14514
2.	BHIWANI	3086	5385	8853	1129	18453
3.	FARIDABAD	2565	6788	15099	938	25390
4.	GURGAON	3268	6399	17107	1699	28473
5.	HISAR	3514	11966	27566	2121	45167
6.	JIND	1919	6100	19244	2284	29547
7.	KAITHAL	1653	6198	21028	1761	30640
8.	KARNAL	3433	11094	34014	3139	51680
9.	KURUKSHETRA	1904	7132	24680	1837	35553
10.	MEHANDERGARH	1274	4869	16384	1340	23867
11.	PANCHKULA	116	399	615	38	1168
12.	PANIPAT	2014	5912	16839	1300	26065
13.	RIWARI	1903	4904	14862	1232	22901
14.	ROHTAK	3965	11097	32001	2743	49806
15.	SIRSA	1290	4486	17000	1771	24547
16.	SONIPAT	2754	7976	22956	2178	35864
17.	YAMUNA NAGAR	2076	5786	16580	1253	25695
State Total :		38122	110512	313569	27127	489330

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell 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	739	249	13526	14514	230	14744
2.	BHIWANI	556	386	17511	18453	19	18472
3.	FARIDABAD	783	295	24312	25390	215	25605
4.	GURGAON	250	189	28034	28473	267	28740
5.	HISAR	2043	327	42797	45167	205	45372
6.	JIND	335	460	28752	29547	172	29719
7.	KAITHAL	522	1508	28610	30640	325	30965
8.	KARNAL	1521	1118	49041	51680	622	52302
9.	KURUKSHETRA	954	1012	33587	35553	354	35907
10.	MEHANDERGARH	364	681	22822	23867	363	24230
11.	PANCHKULA	30	11	1127	1168	15	1183
12.	PANIPAT	319	955	24791	26065	285	26350
13.	RIWARI	444	980	21477	22901	357	23258
14.	ROHTAK	670	2153	46983	49806	849	50655
15.	SIRSA	483	714	23350	24547	175	24722
16.	SONIPAT	1498	1349	33017	35864	266	36130
17.	YAMUNA NAGAR	1095	911	23689	25695	245	25940
State Total :		12606	13298	463426	489330	4964	494294

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : HARYANA

(in Nos.)

Sl. No.	Name of District	Type of Tubewells				
		Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7

1.	AMBALA	14383	34	71	256	14744
2.	BHIWANI	10995	2507	4580	390	18472
3.	FARIDABAD	24447	801	99	258	25605
4.	GURGAON	28207	214	298	21	28740
5.	HISAR	43226	1350	243	553	45372
6.	JIND	28644	587	324	164	29719
7.	KAITHAL	29194	427	1003	341	30965
8.	KARNAL	49011	1417	1204	670	52302
9.	KURUKSHETRA	34218	813	570	306	35907
10.	MEHANDERGARH	20646	484	2727	373	24230
11.	PANCHKULA	1179	1	0	3	1183
12.	PANIPAT	22826	490	2757	277	26350
13.	RIWARI	21620	481	784	373	23258
14.	ROHTAK	48008	1168	927	552	50655
15.	SIRSA	23579	754	222	167	24722
16.	SONIPAT	33720	1075	821	514	36130
17.	YAMUNA NAGAR	24319	1129	261	231	25940
State Total :		458222	13732	16891	5449	494294

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : HARYANA

(in Nos.)

Sl. No.	Name of District	T'Wells In Use	Tubewells Not in Use					Total (4 to 8)	Grand Total (3 + 9)
			Temporary	Abandoned (Salinity)	Dried up	Destroyed	Others		
1	2	3	4	5	6	7	8	9	10
1.	AMBALA	14731	0	0	0	0	13	13	14744
2.	BHIWANI	18230	0	0	0	0	242	242	18472
3.	FARIDABAD	25558	0	0	0	0	47	47	25605
4.	GURGAON	28694	0	0	0	0	46	46	28740
5.	HISAR	45280	0	0	0	0	92	92	45372
6.	JIND	29689	0	0	0	0	30	30	29719
7.	KAITHAL	30751	0	0	0	0	214	214	30965
8.	KARNAL	51952	0	0	0	0	350	350	52302
9.	KURUKSHETRA	35787	0	0	0	0	120	120	35907
10.	MEHANDERGARH	24149	0	0	0	0	81	81	24230
11.	PANCHKULA	1183	0	0	0	0	0	0	1183
12.	PANIPAT	26236	0	0	0	0	114	114	26350
13.	RIWARI	23143	0	0	0	0	115	115	23258
14.	ROHTAK	50447	0	0	0	0	208	208	50655
15.	SIRSA	24578	0	0	0	0	144	144	24722
16.	SONIPAT	35990	0	0	0	0	140	140	36130
17.	YAMUNA NAGAR	25761	0	0	0	0	179	179	25940

State Total :	492159	0	0	0	0	2135	2135	494294
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MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : HARYANA

(in Nos.)

		Source of Finance for constructing Tubewell						Total (3 to 8)
Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	
1	2	3	4	5	6	7	8	9
1.	AMBALA	241	12295	1957	19	10	41	14563
2.	BHIWANI	8648	6762	2867	168	10	16	18471
3.	FARIDABAD	1107	17900	5842	464	83	111	25507
4.	GURGAON	3019	23911	1405	297	87	0	28719
5.	HISAR	8346	29486	6863	150	323	194	45362
6.	JIND	4899	16750	7822	96	7	136	29710
7.	KAITHAL	6981	18085	5543	32	13	289	30943
8.	KARNAL	8542	39520	3554	52	48	492	52208
9.	KURUKSHETRA	3789	28034	3476	21	248	264	35832
10.	MEHANDERGARH	7391	13935	2419	68	85	235	24133
11.	PANCHKULA	33	858	278	4	7	1	1181
12.	PANIPAT	3724	17865	3410	194	888	226	26307
13.	RIWARI	5065	15742	2073	26	10	298	23214
14.	ROHTAK	8301	33249	8322	99	154	492	50617
15.	SIRSA	3030	16771	4634	72	58	130	24695
16.	SONIPAT	5181	25007	5558	126	24	201	36097
17.	YAMUNA NAGAR	3040	18277	3685	711	11	146	25870
State Total :		81337	334447	69708	2599	2066	3272	493429

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : HARYANA

(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.	AMBALA	279	112	14259	89	5	14744
2.	BHIWANI	5178	576	12063	408	247	18472
3.	FARIDABAD	203	116	25178	86	22	25605
4.	GURGAON	418	78	25250	1043	1951	28740
5.	HISAR	303	302	44056	238	473	45372
6.	JIND	256	90	27961	1287	125	29719
7.	KAITHAL	411	92	25620	4591	251	30965
8.	KARNAL	1149	275	49144	1481	253	52302
9.	KURUKSHETRA	434	207	32670	2098	498	35907
10.	MEHANDERGARH	9558	571	12728	1063	310	24230
11.	PANCHKULA	138	3	1041	1	0	1183
12.	PANIPAT	434	72	24316	1402	126	26350
13.	RIWARI	4035	249	17489	1101	384	23258
14.	ROHTAK	1363	211	45719	3205	157	50655
15.	SIRSA	267	61	23552	691	151	24722
16.	SONIPAT	692	159	32607	2617	55	36130
17.	YAMUNA NAGAR	385	193	24402	673	287	25940
State Total :		25503	3367	438055	22074	5295	494294

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : HARYANA

(in Nos.)

According to Water Lifting Devices for Tubewell								
Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	AMBALA	11909	2736	22	8	20	49	14744
2.	BHIWANI	5493	12883	11	0	6	79	18472
3.	FARIDABAD	17939	7562	34	6	37	27	25605
4.	GURGAON	25820	2852	12	10	33	13	28740
5.	HISAR	20343	24955	25	1	8	40	45372
6.	JIND	14939	14620	78	7	68	7	29719
7.	KAITHAL	20293	10499	23	18	86	46	30965
8.	KARNAL	41468	10386	168	13	135	132	52302
9.	KURUKSHETRA	31575	3961	134	17	65	155	35907
10.	MEHANDERGARH	20795	3085	89	8	42	211	24230
11.	PANCHKULA	1087	95	1	0	0	0	1183
12.	PANIPAT	21448	4656	86	8	76	76	26350
13.	RIWARI	19318	3589	161	49	54	87	23258
14.	ROHTAK	27729	22514	136	19	114	143	50655

15. SIRSA	15901	8213	89	7	47	465	24722
16. SONIPAT	24130	11380	388	11	106	115	36130
17. YAMUNA NAGAR	21250	4220	174	9	127	160	25940
State Total :	341437	148206	1631	191	1024	1805	494294

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : HARYANA

(in Nos.)

		According to horse power of lifting devices								
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)	
1	2	3	4	5	6	7	8	9	10	
1.	AMBALA	118	265	5444	4399	1875	2623	20	14744	
2.	BHIWANI	838	11	547	8667	7950	453	6	18472	
3.	FARIDABAD	168	198	4628	13488	5734	1352	37	25605	
4.	GURGAON	228	1216	21133	5476	538	116	33	28740	
5.	HISAR	593	102	1820	25257	12113	5479	8	45372	
6.	JIND	193	95	5973	19645	3564	181	68	29719	
7.	KAITHAL	182	24	10214	16863	3369	227	86	30965	
8.	KARNAL	304	2012	19571	24119	5202	959	135	52302	
9.	KURUKSHETRA	926	218	6046	15411	9528	3713	65	35907	
10.	MEHANDERGARH	497	206	7114	13168	2686	517	42	24230	
11.	PANCHKULA	3	13	724	258	156	29	0	1183	
12.	PANIPAT	103	921	9956	13551	1663	80	76	26350	
13.	RIWARI	164	207	12023	9201	1549	60	54	23258	
14.	ROHTAK	252	309	13156	30363	6167	294	114	50655	
15.	SIRSA	617	194	3356	9773	5147	5588	47	24722	
16.	SONIPAT	108	245	8167	21622	5634	248	106	36130	
17.	YAMUNA NAGAR	184	1529	7814	10698	4972	616	127	25940	
State Total :		5478	7765	137686	241959	77847	22535	1024	494294	

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : HARYANA

(in Nos.)

Location of Tubewell	According to Average Pumping Hours during peak season
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Sl. No.	Name of District	On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	AMBALA	574	14170	14744	2817	9801	2014	102	10	0	14744
2.	BHIWANI	5823	12649	18472	3362	12089	2982	24	12	3	18472
3.	FARIDABAD	4966	20639	25605	2926	10528	10159	1706	272	14	25605
4.	GURGAON	2187	26553	28740	3086	24050	1489	79	24	12	28740
5.	HISAR	25136	20236	45372	10181	25913	8488	659	122	9	45372
6.	JIND	12489	17230	29719	3790	16433	8612	543	209	132	29719
7.	KAITHAL	3326	27639	30965	3230	19160	6378	706	381	1110	30965
8.	KARNAL	10674	41628	52302	4419	27694	17386	1801	263	739	52302
9.	KURUKSHETRA	2760	33147	35907	4234	19224	10857	581	279	732	35907
10.	MEHANDERGARH	1859	22371	24230	3244	15243	4468	345	195	735	24230
11.	PANCHKULA	3	1180	1183	195	895	91	1	1	0	1183
12.	PANIPAT	3778	22572	26350	3242	16914	4909	357	198	730	26350
13.	RIWARI	1704	21554	23258	1400	12999	6833	560	441	1025	23258
14.	ROHTAK	12601	38054	50655	5843	26625	14660	1017	648	1862	50655
15.	SIRSA	12917	11805	24722	4454	12587	6174	487	308	712	24722
16.	SONIPAT	7625	28505	36130	3017	19252	10545	885	657	1774	36130
17.	YAMUNA NAGAR	2120	23820	25940	1993	16688	6034	319	195	711	25940
State Total :		110542	383752	494294	61433	286095	122079	10172	4215	10300	494294

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 Average length of Water Conveyance Channel

State : HARYANA		(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.	AMBALA	14744	1	185	1
2.	BHIWANI	18472	29	37	14
3.	FARIDABAD	25605	9	377	1
4.	GURGAON	28740	8	120	24
5.	HISAR	45372	9	166	4
6.	JIND	29719	21	199	3
7.	KAITHAL	30965	9	146	3
8.	KARNAL	52302	9	169	3
9.	KURUKSHETRA	35907	10	143	12
10.	MEHANDERGARH	24230	60	21	5
11.	PANCHKULA	1183	9	77	14

12.	PANIPAT	26350	21	139	1
13.	RIWARI	23258	75	107	10
14.	ROHTAK	50655	8	79	8
15.	SIRSA	24722	14	240	4
16.	SONIPAT	36130	6	181	2
17.	YAMUNA NAGAR	25940	6	187	1

State Average:		494294	17	151	6

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : HARYANA

(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.	AMBALA	63290	48370	48370	0	0	96740
2.	BHIWANI	77166	58980	58980	0	0	117960
3.	FARIDABAD	83386	63720	63720	0	0	127440
4.	GURGAON	87152	66602	66602	0	0	133204
5.	HISAR	96921	80562	80562	0	0	161124
6.	JIND	76708	58625	58625	0	0	117250
7.	KAITHAL	79769	61339	61339	0	0	122678
8.	KARNAL	153909	115435	115435	0	0	230870
9.	KURUKSHETRA	91397	70140	70140	0	0	140280
10.	MEHANDERGARH	67735	51771	51775	0	0	103546
11.	PANCHKULA	2314	1769	1769	0	0	3538
12.	PANIPAT	73854	56441	56441	0	0	112882
13.	RIWARI	62205	47544	47543	0	0	95087
14.	ROHTAK	89032	98614	98616	0	0	197230
15.	SIRSA	70484	53867	53867	0	0	107734
16.	SONIPAT	92181	70453	70453	0	0	140906
17.	YAMUNA NAGAR	66474	50803	50801	0	0	101604

State Total :		1333977	1055035	1055038	0	0	2110073

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 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	45720	45720	0	0	91440
2.	BHIWANI	55741	55741	0	0	111482
3.	FARIDABAD	60232	60234	0	0	120466
4.	GURGAON	62956	62956	0	0	125912
5.	HISAR	76137	76137	0	0	152274
6.	JIND	55406	55406	0	0	110812
7.	KAITHAL	57973	57973	0	0	115946
8.	KARNAL	109108	109107	0	0	218215
9.	KURUKSHETRA	66288	66288	0	0	132576
10.	MEHANDERGARH	48925	48929	0	0	97854
11.	PANCHKULA	1671	1671	0	0	3342
12.	PANIPAT	53348	53348	0	0	106696
13.	RIWARI	44926	44931	0	0	89857
14.	ROHTAK	93199	93200	0	0	186399
15.	SIRSA	50913	50913	0	0	101826
16.	SONIPAT	66587	66587	0	0	133174
17.	YAMUNA NAGAR	48019	48017	0	0	96036
State Total :		997149	997158	0	0	1994307

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 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	41	41	0	0	82
2.	BHIWANI	2610	5332	0	0	7942
3.	FARIDABAD	6242	8155	0	0	14397
4.	GURGAON	124	855	0	0	979
5.	HISAR	30096	30493	0	0	60589
6.	JIND	17215	17097	0	0	34312
7.	KAITHAL	5018	4910	0	0	9928
8.	KARNAL	11580	11308	0	0	22888
9.	KURUKSHETRA	2610	2429	0	0	5039
10.	MEHANDERGARH	1682	1532	0	0	3214
11.	PANCHKULA	0	0	0	0	0

12.	PANIPAT	5714	5519	0	0	11233
13.	RIWARI	1416	1567	0	0	2983
14.	ROHTAK	14539	15728	0	0	30267
15.	SIRSA	22163	22029	0	0	44192
16.	SONIPAT	7581	7425	0	0	15006
17.	YAMUNA NAGAR	975	828	0	0	1803

State Total :		129606	135248	0	0	264854

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : HARYANA

(in Nos.)

		No. of T'wells in use	No. of T'wells with no cons'tnts	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)
1	2	3	4	5	6	7	8	9	10
1.	AMBALA	14731	0	5818	252	225	8436	14731	14731
2.	BHIWANI	18230	0	2861	983	1414	12972	18230	18230
3.	FARIDABAD	25558	0	4755	559	220	20024	25558	25558
4.	GURGAON	28694	0	11590	262	495	16347	28694	28694
5.	HISAR	45280	0	7727	4399	1222	31932	45280	45280
6.	JIND	29689	0	4295	3102	125	22167	29689	29689
7.	KAITHAL	30751	0	2196	99	2	28454	30751	30751
8.	KARNAL	51952	0	7878	1017	382	42675	51952	51952
9.	KURUKSHETRA	35787	0	7255	176	231	28125	35787	35787
10.	MEHANDERGARH	24149	0	3181	14	126	20828	24149	24149
11.	PANCHKULA	1183	0	15	0	1	1167	1183	1183
12.	PANIPAT	26236	0	3504	328	121	22283	26236	26236
13.	RIWARI	23143	0	2797	5	0	20341	23143	23143
14.	ROHTAK	50447	0	4813	2878	835	41921	50447	50447
15.	SIRSA	24578	0	2790	1491	375	19922	24578	24578
16.	SONIPAT	35990	0	3844	1005	387	30754	35990	35990
17.	YAMUNA NAGAR	25761	0	4376	137	17	21231	25761	25761
State Total :		492159	0	79695	16707	6178	389579	492159	492159

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : HIMACHAL PRADESH (in Nos.)

Construction of 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.	Bilaspur	15	5	2	0	0	0	0	0	22
2.	Hamirpur	11	1	0	0	0	0	0	0	12
3.	Kangra	125	33	27	67	30	16	8	3	309
4.	Mandi	57	1	5	2	2	2	3	7	79
5.	Sirmaur	102	7	7	7	18	9	11	16	177
6.	Solan	65	9	8	1	0	0	2	0	85
7.	Una	423	66	88	111	57	49	110	36	940
* State Total :		798	122	137	188	107	76	134	62	1624

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 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.	Bilaspur	0	0	0	22	0	0	22
2.	Hamirpur	1	0	0	1	10	0	12
3.	Kangra	7	0	1	12	289	0	309
4.	Mandi	14	0	0	1	64	0	79
5.	Sirmaur	4	0	0	17	156	0	177
6.	Solan	25	0	0	11	49	0	85
7.	Una	225	1	0	2	712	0	940
* State Total :		276	1	1	66	1280	0	1624

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell 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.	Bilaspur	0	0	0	22	22
2.	Hamirpur	3	1	6	1	11
3.	Kangra	68	77	127	29	301
4.	Mandi	19	24	20	2	65
5.	Sirmaur	35	47	56	35	173
6.	Solan	8	9	30	13	60
7.	Una	241	206	237	30	714
* State Total :		374	364	476	132	1346

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell according to social status

State : HIMACHAL PRADESH		(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.	Bilaspur	0	0	22	22	0	22
2.	Hamirpur	0	0	11	11	1	12
3.	Kangra	24	2	275	301	8	309
4.	Mandi	11	0	54	65	14	79
5.	Sirmaur	21	1	151	173	4	177
6.	Solan	5	0	55	60	25	85
7.	Una	9	2	703	714	226	940
* State Total :		70	5	1271	1346	278	1624

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : HIMACHAL PRADESH		(in Nos.)				
		Type of Tubewells				
Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7
1.	Bilaspur	21	0	0	1	22
2.	Hamirpur	11	1	0	0	12
3.	Kangra	268	2	39	0	309
4.	Mandi	66	1	12	0	79
5.	Sirmaur	171	0	5	1	177
6.	Solan	79	0	5	1	85
7.	Una	849	16	75	0	940
* State Total :		1465	20	136	3	1624

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : HIMACHAL PRADESH		(in Nos.)							
		T'Wells	Tubewells Not in Use					Grand	
Sl. No.	Name of District	In Use	Temporary	Abandoned (Salinity)	Dried up	Destroyed	Others	Total (4 to 8)	Total (3 + 9)
1	2	3	4	5	6	7	8	9	10
1.	Bilaspur	22	0	0	0	0	0	0	22
2.	Hamirpur	12	0	0	0	0	0	0	12
3.	Kangra	303	5	0	1	0	0	6	309
4.	Mandi	69	10	0	0	0	0	10	79
5.	Sirmaur	175	2	0	0	0	0	2	177
6.	Solan	83	1	0	0	1	0	2	85
7.	Una	940	0	0	0	0	0	0	940
* State Total :		1604	18	0	1	1	0	20	1624

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : HIMACHAL PRADESH		(in Nos.)						
		Source of Finance for constructing Tubewell						
Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	Bilaspur	0	22	0	0	0	0	22
2.	Hamirpur	2	7	2	0	0	0	11
3.	Kangra	3	266	33	0	0	0	302
4.	Mandi	16	40	6	2	0	1	65
5.	Sirmaur	50	77	36	1	8	1	173
6.	Solan	13	27	0	5	15	0	60
7.	Una	152	544	18	0	0	1	715
* State Total :		236	983	95	8	23	3	1348

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell 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.	Bilaspur	0	0	22	0	0	22
2.	Hamirpur	0	0	12	0	0	12
3.	Kangra	4	1	302	2	0	309
4.	Mandi	0	0	64	11	4	79
5.	Sirmaur	0	0	170	7	0	177
6.	Solan	2	0	71	10	2	85
7.	Una	4	33	872	31	0	940

* State Total :	10	34	1513	61	6	1624
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* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : HIMACHAL PRADESH		(in Nos.)						
		According to Water Lifting Devices for Tubewell						
Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	Bilaspur	22	0	0	0	0	0	22
2.	Hamirpur	10	2	0	0	0	0	12
3.	Kangra	193	114	2	0	0	0	309
4.	Mandi	51	23	0	0	3	2	79
5.	Sirmaur	143	32	0	0	1	1	177
6.	Solan	84	1	0	0	0	0	85
7.	Una	442	489	1	0	2	6	940
* State Total :		945	661	3	0	6	9	1624

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : HIMACHAL PRADESH		(in Nos.)							
		According to horse power of lifting devices							
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
1.	Bilaspur	0	0	21	0	1	0	0	22
2.	Hamirpur	0	0	5	1	3	3	0	12
3.	Kangra	1	147	53	71	9	28	0	309
4.	Mandi	3	14	4	10	20	25	3	79

5.	Sirmaur	0	2	54	78	20	22	1	177
6.	Solan	0	1	10	35	6	33	0	85
7.	Una	35	4	313	410	132	44	2	940
* State Total :		39	168	460	605	191	155	6	1624

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : HIMACHAL PRADESH		(in Nos.)									
		Location of Tubewell			According to Average Pumping Hours during peak season						
Sl. No.	Name of District	On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	Bilaspur	0	22	22	2	20	0	0	0	0	22
2.	Hamirpur	2	10	12	10	2	0	0	0	0	12
3.	Kangra	19	290	309	88	116	76	14	15	0	309
4.	Mandi	2	77	79	32	29	11	4	3	0	79
5.	Sirmaur	39	138	177	16	97	60	4	0	0	177
6.	Solan	0	85	85	16	15	35	16	3	0	85
7.	Una	1	939	940	198	425	292	23	2	0	940
* State Total :		63	1561	1624	362	704	474	61	23	0	1624

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 Average length of Water Conveyance Channel

State : HIMACHAL PRADESH		(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.	Bilaspur	22	7	74	0

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

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

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

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

[illegible]

1	2	3	4	5	6	7	8	9	10
1.	Bilaspur	22	22	0	0	0	0	0	22
2.	Hamirpur	12	12	0	0	0	0	0	12
3.	Kangra	303	302	0	1	0	0	1	303
4.	Mandi	69	29	2	0	1	37	40	69
5.	Sirmaur	175	135	21	1	0	18	40	175
6.	Solan	83	66	0	0	4	13	17	83
7.	Una	940	656	11	11	132	130	284	940
* State Total :		1604	1222	34	13	137	198	382	1604

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : JAMMU & KASHMIR (in Nos.)

Construction of 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.	Budgam	1	0	0	0	0	0	0	0	1
2.	Jammu	712	166	147	43	0	0	0	0	1068
3.	Kathua	19	30	41	37	35	25	18	22	227
4.	Kupwara	11	0	0	0	0	0	0	0	11
5.	Srinagar	6	0	0	0	0	0	0	0	6
* State Total :		749	196	188	80	35	25	18	22	1313

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 Distribution according to ownership

State : JAMMU & KASHMIR (in Nos.)

Tubewells Owned by							
Sl.	Name of District	Govt.	Coop.	Panchayat	Group of	Individual	Others
							Total

No.		Owned	Societies	Owned	farmers	farmers	(3 to 8)	
1	2	3	4	5	6	7	8	9
1.	Budgam	1	0	0	0	0	0	1
2.	Jammu	165	179	8	181	501	34	1068
3.	Kathua	12	20	4	60	121	10	227
4.	Kupwara	4	2	3	2	0	0	11
5.	Srinagar	3	1	1	1	0	0	6
* State Total :		185	202	16	244	622	44	1313

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell 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.	Budgam	1	0	0	0	1
2.	Jammu	338	328	327	75	1068
3.	Kathua	57	94	71	5	227
4.	Kupwara	4	4	0	3	11
5.	Srinagar	2	0	4	0	6
* State Total :		402	426	402	83	1313

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell according to social status

State : JAMMU & KASHMIR		(in Nos.)					

		According to Social Status of farmers			Owned by	Grand	
		-----			other than	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.	Budgam	0	0	0	0	1	1
2.	Jammu	261	0	421	682	386	1068
3.	Kathua	12	0	169	181	46	227
4.	Kupwara	0	0	2	2	9	11
5.	Srinagar	0	0	1	1	5	6
* State Total :		273	0	593	866	447	1313

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : JAMMU & KASHMIR		(in Nos.)				
		Type of Tubewells				
Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7
1.	Budgam	1	0	0	0	1
2.	Jammu	1068	0	0	0	1068
3.	Kathua	227	0	0	0	227
4.	Kupwara	11	0	0	0	11
5.	Srinagar	6	0	0	0	6
* State Total :		1313	0	0	0	1313

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : JAMMU & KASHMIR		(in Nos.)							
		T'Wells In Use	Tubewells Not in Use				Others	Total (4 to 8)	Grand Total (3 + 9)
Sl. No.	Name of District		Temporary	Abandoned (Salinity)	Dried up	Destroyed			
1	2	3	4	5	6	7	8	9	10

1.	Budgam	0	1	0	0	0	0	1	1
2.	Jammu	1060	8	0	0	0	0	8	1068
3.	Kathua	225	2	0	0	0	0	2	227
4.	Kupwara	11	0	0	0	0	0	0	11
5.	Srinagar	6	0	0	0	0	0	0	6
* State Total :		1302	11	0	0	0	0	11	1313

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : JAMMU & KASHMIR

(in Nos.)

		Source of Finance for constructing Tubewell							
Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	Total (3 to 8)	
1	2	3	4	5	6	7	8	9	
1.	Budgam	1	0	0	0	0	0	1	
2.	Jammu	84	489	10	200	240	45	1068	
3.	Kathua	13	152	35	19	6	2	227	
4.	Kupwara	5	2	0	0	0	4	11	
5.	Srinagar	3	2	0	0	0	1	6	
* State Total :		106	645	45	219	246	52	1313	

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : JAMMU & KASHMIR

(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.	Budgam	0	0	1	0	0	0	0	1
2.	Jammu	2	120	200	114	0	620	12	1068
3.	Kathua	0	0	50	145	0	32	0	227
4.	Kupwara	0	0	5	0	0	6	0	11
5.	Srinagar	0	0	0	2	0	4	0	6
* State Total :		2	120	256	261	0	662	12	1313

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : JAMMU & KASHMIR (in Nos.)

Sl. No.	Name of District	Location of Tubewell			According to Average Pumping Hours during peak season						
		On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	Budgam	0	1	1	1	0	0	0	0	0	1
2.	Jammu	20	1048	1068	800	268	0	0	0	0	1068
3.	Kathua	12	215	227	140	87	0	0	0	0	227
4.	Kupwara	0	11	11	3	8	0	0	0	0	11
5.	Srinagar	2	4	6	1	5	0	0	0	0	6
* State Total :		34	1279	1313	945	368	0	0	0	0	1313

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 Average length of Water Conveyance Channel

State : JAMMU & KASHMIR (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.	Budgam	1	20	77	0
2.	Jammu	1068	76	435	0
3.	Kathua	227	16	128	0
4.	Kupwara	11	35	79	0
5.	Srinagar	6	82	120	0
* State Average:		1313	45	167	0

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : JAMMU & KASHMIR

(in Ha.)

Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				Total
			Kharif	Rabi	Perenial	Others	
1	2	3	4	5	6	7	8
1.	Budgam	2	2	2	0	0	4
2.	Jammu	1206	1203	1214	0	0	2417
3.	Kathua	205	205	205	0	0	410
4.	Kupwara	145	185	100	0	0	285
5.	Srinagar	5	5	5	0	0	10
* State Total :		1563	1600	1526	0	0	3126

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : JAMMU & KASHMIR

(in Ha.)

Sl. No.	Name of District	Actual Area Irrigated during 1993-94				Total
		Kharif	Rabi	Perenial	Others	
1	2	3	4	5	6	7
1.	Budgam	1	1	0	0	2
2.	Jammu	1077	1098	0	0	2175
3.	Kathua	344	344	0	0	688

4.	Kupwara	130	45	0	0	175
5.	Srinagar	5	5	0	0	10

* State Total :		1557	1493	0	0	3050

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 Irrigation through supplementary sources

State : JAMMU & KASHMIR		(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.	Budgam	0	0	0	0	0
2.	Jammu	7	6	0	0	13
3.	Kathua	4	4	0	0	8
4.	Kupwara	0	0	0	0	0
5.	Srinagar	0	0	0	0	0

* State Total :		11	10	0	0	21

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : JAMMU & KASHMIR			(in Nos.)						
Sl. No.	Name of District	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.	Budgam	0	0	0	0	0	1	1	1
2.	Jammu	1060	0	0	0	0	8	8	8
3.	Kathua	225	0	0	0	0	2	2	2
4.	Kupwara	11	0	0	0	0	0	0	0
5.	Srinagar	6	0	0	0	0	0	0	0

* State Total :	1302	0	0	0	0	11	11	11
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* Data in respect of the remaining 9 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : KARNATAKA

(in Nos.)

Construction of 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	868	614	951	1055	1147	1105	841	998	7579
2.	BANGALORE URBAN	684	113	155	216	301	225	93	551	2338
3.	BELGAUM	967	363	449	470	663	721	593	864	5090
4.	BELLARY	379	163	104	182	155	223	109	190	1505
5.	BIDAR	30	8	9	16	10	40	59	132	304
6.	BIJAPUR	831	83	74	118	321	265	161	401	2254
7.	CHIKKAMAGALORE	354	329	234	425	554	537	246	262	2941
8.	CHITRADURGA	2574	630	1044	1131	1367	995	1023	846	9610
9.	DAKSHINA KANNADA	134	45	33	38	74	58	49	99	530
10.	DHARWAR	1288	568	1000	1010	1194	1056	659	858	7633
11.	GULBARGA	194	72	48	51	65	61	55	161	707
12.	HASSAN	1416	475	638	921	1546	1578	2754	1295	10623
13.	KODAGU	4	0	1	2	0	1	1	2	11
14.	KOLAR	1506	749	813	1049	898	714	535	638	6902
15.	MANDYA	158	63	81	119	111	152	130	297	1111
16.	MYSORE	696	240	277	302	368	325	194	303	2705
17.	RAICHUR	919	166	277	329	461	482	472	610	3716
18.	SHIMOGA	695	294	410	443	508	420	397	618	3785
19.	TUMKUR	1416	530	640	748	1354	1536	1268	2621	10113
20.	UTTARA KANNADA	30	8	22	18	37	16	5	3	139
State Total :		15143	5513	7260	8643	11134	10510	9644	11749	79596

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 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	33	3	0	139	7403	1	7579
2.	BANGALORE URBAN	0	0	0	11	2327	0	2338
3.	BELGAUM	0	1	0	34	5055	0	5090
4.	BELLARY	0	0	0	4	1473	28	1505
5.	BIDAR	3	18	0	0	279	4	304
6.	BIJAPUR	0	0	0	0	2253	1	2254
7.	CHIKKAMAGALORE	1	2	1	1	2936	0	2941
8.	CHITRADURGA	8	0	2	13	9587	0	9610
9.	DAKSHINA KANNADA	1	0	0	0	529	0	530
10.	DHARWAR	2	0	0	33	7598	0	7633
11.	GULBARGA	9	2	1	5	690	0	707
12.	HASSAN	13	1	1	22	10583	3	10623
13.	KODAGU	0	0	0	0	11	0	11
14.	KOLAR	5	0	3	26	6855	13	6902
15.	MANDYA	2	0	0	1	1106	2	1111
16.	MYSORE	3	26	0	11	2665	0	2705
17.	RAICHUR	1	0	0	4	3711	0	3716
18.	SHIMOGA	13	0	1	227	3544	0	3785
19.	TUMKUR	1	0	0	22	10089	1	10113
20.	UTTARA KANNADA	0	0	1	7	131	0	139
State Total :		95	53	10	560	78825	53	79596

MINOR IRRIGATION CENSUS(1993-94)**SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2****Table 2.3 Distribution of Tubewell 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	2297	3072	1943	230	7542
2.	BANGALORE URBAN	509	653	1113	63	2338

3.	BELGAUM	1020	1883	2012	174	5089
4.	BELLARY	198	387	725	167	1477
5.	BIDAR	43	100	86	50	279
6.	BIJAPUR	251	1004	903	95	2253
7.	CHIKKAMAGALORE	114	927	1741	155	2937
8.	CHITRADURGA	1522	3388	4007	683	9600
9.	DAKSHINA KANNADA	76	146	275	32	529
10.	DHARWAR	572	2396	4057	606	7631
11.	GULBARGA	179	217	197	102	695
12.	HASSAN	2092	4290	3859	364	10605
13.	KODAGU	1	7	2	1	11
14.	KOLAR	1628	2666	2427	160	6881
15.	MANDYA	280	562	257	8	1107
16.	MYSORE	460	1153	974	89	2676
17.	RAICHUR	561	1235	1574	345	3715
18.	SHIMOGA	505	1354	1672	240	3771
19.	TUMKUR	2113	3357	4190	451	10111
20.	UTTARA KANNADA	28	38	49	23	138

State Total :		14449	28835	32063	4038	79385

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell 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	495	300	6747	7542	37	7579
2.	BANGALORE URBAN	148	37	2153	2338	0	2338
3.	BELGAUM	198	81	4810	5089	1	5090
4.	BELLARY	161	193	1123	1477	28	1505
5.	BIDAR	21	4	254	279	25	304
6.	BIJAPUR	279	42	1932	2253	1	2254
7.	CHIKKAMAGALORE	119	43	2775	2937	4	2941
8.	CHITRADURGA	959	958	7683	9600	10	9610
9.	DAKSHINA KANNADA	2	11	516	529	1	530
10.	DHARWAR	531	309	6791	7631	2	7633
11.	GULBARGA	118	28	549	695	12	707
12.	HASSAN	423	242	9940	10605	18	10623
13.	KODAGU	1	0	10	11	0	11

14.	KOLAR	613	307	5961	6881	21	6902
15.	MANDYA	144	10	953	1107	4	1111
16.	MYSORE	237	28	2411	2676	29	2705
17.	RAICHUR	277	307	3131	3715	1	3716
18.	SHIMOGA	467	123	3181	3771	14	3785
19.	TUMKUR	519	547	9045	10111	2	10113
20.	UTTARA KANNADA	3	2	133	138	1	139
State Total :		5715	3572	70098	79385	211	79596

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : KARNATAKA		(in Nos.)				
		Type of Tubewells				
Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7
1.	BANGALORE RURAL	2247	144	4717	471	7579
2.	BANGALORE URBAN	453	125	1455	305	2338
3.	BELGAUM	1624	358	3067	41	5090
4.	BELLARY	487	27	828	163	1505
5.	BIDAR	111	53	124	16	304
6.	BIJAPUR	660	641	913	40	2254
7.	CHIKKAMAGALORE	284	19	2562	76	2941
8.	CHITRADURGA	3112	777	5521	200	9610
9.	DAKSHINA KANNADA	296	61	142	31	530
10.	DHARWAR	1800	319	5214	300	7633
11.	GULBARGA	368	89	229	21	707
12.	HASSAN	3294	279	6848	202	10623
13.	KODAGU	4	0	7	0	11
14.	KOLAR	3038	411	3035	418	6902
15.	MANDYA	558	49	403	101	1111
16.	MYSORE	1271	89	1265	80	2705
17.	RAICHUR	1832	255	1234	395	3716
18.	SHIMOGA	1229	41	2483	32	3785
19.	TUMKUR	3878	282	5582	371	10113
20.	UTTARA KANNADA	44	36	56	3	139
State Total :		26590	4055	45685	3266	79596

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : KARNATAKA

(in Nos.)

Sl. No.	Name of District	T'Wells In Use	Tubewells Not in Use				Others	Total (4 to 8)	Grand Total (3 + 9)
			Temporary	Abandoned (Salinity)	Dried up	Destroyed			
1	2	3	4	5	6	7	8	9	10
1.	BANGALORE RURAL	7314	117	64	76	4	4	265	7579
2.	BANGALORE URBAN	2190	44	71	21	3	9	148	2338
3.	BELGAUM	4898	25	146	16	2	3	192	5090
4.	BELLARY	1347	73	20	20	0	45	158	1505
5.	BIDAR	290	8	2	2	0	2	14	304
6.	BIJAPUR	2194	42	1	5	7	5	60	2254
7.	CHIKKAMAGALORE	2849	39	38	11	0	4	92	2941
8.	CHITRADURGA	8834	506	114	110	19	27	776	9610
9.	DAKSHINA KANNADA	513	13	2	2	0	0	17	530
10.	DHARWAR	7257	147	146	26	10	47	376	7633
11.	GULBARGA	627	65	12	1	0	2	80	707
12.	HASSAN	10395	85	50	29	5	59	228	10623
13.	KODAGU	11	0	0	0	0	0	0	11
14.	KOLAR	6377	133	84	234	29	45	525	6902
15.	MANDYA	1079	19	10	2	0	1	32	1111
16.	MYSORE	2604	21	28	29	5	18	101	2705
17.	RAICHUR	3243	336	87	21	5	24	473	3716
18.	SHIMOGA	3700	55	13	6	4	7	85	3785
19.	TUMKUR	9616	226	94	139	21	17	497	10113
20.	UTTARA KANNADA	131	4	3	0	1	0	8	139
State Total :		75469	1958	985	750	115	319	4127	79596

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : KARNATAKA

(in Nos.)

Sl. No.	Name of District	Source of Finance for constructing Tubewell					Total (3 to 8)
		Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	

1	2	3	4	5	6	7	8	9
1.	BANGALORE RURAL	624	5133	1278	215	85	211	7546
2.	BANGALORE URBAN	203	1503	428	26	65	113	2338
3.	BELGAUM	930	2231	1579	307	20	23	5090
4.	BELLARY	243	839	179	138	10	96	1505
5.	BIDAR	66	139	70	24	1	1	301
6.	BIJAPUR	791	733	568	135	11	16	2254
7.	CHIKKAMAGALORE	59	1614	1108	90	19	50	2940
8.	CHITRADURGA	872	4760	3221	451	16	282	9602
9.	DAKSHINA KANNADA	92	336	97	4	0	0	529
10.	DHARWAR	432	2635	3820	594	106	44	7631
11.	GULBARGA	191	423	47	8	13	16	698
12.	HASSAN	519	5199	4313	465	45	69	10610
13.	KODAGU	0	4	2	4	0	1	11
14.	KOLAR	975	5019	667	61	92	83	6897
15.	MANDYA	107	584	279	79	38	22	1109
16.	MYSORE	427	1191	802	222	30	30	2702
17.	RAICHUR	484	1661	953	434	51	132	3715
18.	SHIMOGA	127	1529	1690	310	72	44	3772
19.	TUMKUR	880	7911	914	76	169	162	10112
20.	UTTARA KANNADA	37	43	43	15	1	0	139
State Total :		8059	43487	22058	3658	844	1395	79501

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : KARNATAKA

(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.	BANGALORE RURAL	263	159	4818	1957	382	7579
2.	BANGALORE URBAN	74	80	1384	303	497	2338
3.	BELGAUM	40	20	1988	2741	301	5090
4.	BELLARY	152	0	852	385	116	1505
5.	BIDAR	10	2	221	43	28	304
6.	BIJAPUR	386	18	1104	413	333	2254
7.	CHIKKAMAGALORE	40	28	2389	412	72	2941
8.	CHITRADURGA	285	96	6857	1758	614	9610
9.	DAKSHINA KANNADA	264	15	152	20	79	530

10.	DHARWAR	202	49	5684	811	887	7633
11.	GULBARGA	60	5	429	93	120	707
12.	HASSAN	313	79	4482	4602	1147	10623
13.	KODAGU	2	0	5	2	2	11
14.	KOLAR	250	53	3629	2020	950	6902
15.	MANDYA	23	5	589	306	188	1111
16.	MYSORE	107	65	1502	556	475	2705
17.	RAICHUR	169	23	1213	1933	378	3716
18.	SHIMOGA	72	53	1991	1220	449	3785
19.	TUMKUR	262	132	7536	1544	639	10113
20.	UTTARA KANNADA	21	24	49	27	18	139
----- State Total : -----		2995	906	46874	21146	7675	79596

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : KARNATAKA

(in Nos.)

According to Water Lifting Devices for Tubewell								

Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)

1	2	3	4	5	6	7	8	9

1.	BANGALORE RURAL	7351	100	2	1	17	108	7579
2.	BANGALORE URBAN	2149	13	7	77	20	72	2338
3.	BELGAUM	4980	1	20	2	29	58	5090
4.	BELLARY	1292	4	0	3	12	194	1505
5.	BIDAR	298	0	0	0	4	2	304
6.	BIJAPUR	2176	45	1	0	0	32	2254
7.	CHIKKAMAGALORE	2866	28	12	0	4	31	2941
8.	CHITRADURGA	9477	39	2	1	42	49	9610
9.	DAKSHINA KANNADA	481	43	0	0	2	4	530
10.	DHARWAR	7433	65	49	3	58	25	7633
11.	GULBARGA	645	22	3	0	2	35	707
12.	HASSAN	10444	48	12	4	50	65	10623
13.	KODAGU	11	0	0	0	0	0	11
14.	KOLAR	6691	62	12	0	35	102	6902
15.	MANDYA	1074	7	0	0	2	28	1111
16.	MYSORE	2579	38	20	4	11	53	2705
17.	RAICHUR	3673	12	9	0	8	14	3716
18.	SHIMOGA	3690	9	6	0	27	53	3785
19.	TUMKUR	9828	23	41	0	90	131	10113
20.	UTTARA KANNADA	133	3	3	0	0	0	139

State Total :	77271	562	199	95	413	1056	79596
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MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : KARNATAKA

(in Nos.)

Sl. No.	Name of District	According to horse power of lifting devices							Total (3 to 9)
		0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	
1	2	3	4	5	6	7	8	9	10
1.	BANGALORE RURAL	206	624	5607	914	187	24	17	7579
2.	BANGALORE URBAN	47	335	1746	108	77	5	20	2338
3.	BELGAUM	65	575	3299	745	366	11	29	5090
4.	BELLARY	147	39	1105	156	29	17	12	1505
5.	BIDAR	9	18	248	18	7	0	4	304
6.	BIJAPUR	24	298	1217	253	448	14	0	2254
7.	CHIKKAMAGALORE	15	1061	1783	34	38	6	4	2941
8.	CHITRADURGA	205	293	8535	390	131	14	42	9610
9.	DAKSHINA KANNADA	27	130	330	30	11	0	2	530
10.	DHARWAR	282	371	6094	701	120	7	58	7633
11.	GULBARGA	50	85	553	5	10	2	2	707
12.	HASSAN	43	3694	6639	51	136	10	50	10623
13.	KODAGU	6	0	4	0	0	1	0	11
14.	KOLAR	274	296	3430	2209	431	227	35	6902
15.	MANDYA	66	156	832	32	16	7	2	1111
16.	MYSORE	41	166	2219	178	88	2	11	2705
17.	RAICHUR	74	130	3178	244	64	18	8	3716
18.	SHIMOGA	35	285	3218	163	51	6	27	3785
19.	TUMKUR	248	598	4441	3795	881	60	90	10113
20.	UTTARA KANNADA	21	26	85	1	5	1	0	139
State Total :		1885	9180	54563	10027	3096	432	413	79596

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : KARNATAKA

(in Nos.)

Sl. No.	Name of District	Location of Tubewell			According to Average Pumping Hours during peak season						
		On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	BANGALORE RURAL	519	7060	7579	1405	4893	937	153	63	128	7579
2.	BANGALORE URBAN	105	2233	2338	984	1033	229	73	17	2	2338
3.	BELGAUM	1277	3813	5090	1450	2643	785	82	52	78	5090
4.	BELLARY	127	1378	1505	513	835	68	67	20	2	1505
5.	BIDAR	27	277	304	96	147	57	0	2	2	304
6.	BIJAPUR	286	1968	2254	906	1127	73	129	1	18	2254
7.	CHIKKAMAGALORE	132	2809	2941	432	2411	50	0	0	48	2941
8.	CHITRADURGA	1752	7858	9610	1224	6042	1671	322	341	10	9610
9.	DAKSHINA KANNADA	69	461	530	289	221	15	4	1	0	530
10.	DHARWAR	785	6848	7633	2009	4577	809	61	27	150	7633
11.	GULBARGA	158	549	707	532	120	20	7	18	10	707
12.	HASSAN	1857	8766	10623	3424	5207	1877	45	63	7	10623
13.	KODAGU	3	8	11	2	9	0	0	0	0	11
14.	KOLAR	861	6041	6902	1375	4459	901	127	11	29	6902
15.	MANDYA	195	916	1111	438	525	108	25	15	0	1111
16.	MYSORE	640	2065	2705	771	1440	399	56	19	20	2705
17.	RAICHUR	489	3227	3716	1221	1982	333	89	57	34	3716
18.	SHIMOGA	474	3311	3785	610	2202	783	112	30	48	3785
19.	TUMKUR	402	9711	10113	2574	6541	578	110	164	146	10113
20.	UTTARA KANNADA	12	127	139	56	53	27	2	0	1	139
State Total :		10170	69426	79596	20311	46467	9720	1464	901	733	79596

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 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	7579	22	46	34
2.	BANGALORE URBAN	2338	38	102	34
3.	BELGAUM	5090	33	65	74

4.	BELLARY	1505	11	44	61
5.	BIDAR	304	32	27	39
6.	BIJAPUR	2254	36	47	43
7.	CHIKKAMAGALORE	2941	13	52	15
8.	CHITRADURGA	9610	12	49	19
9.	DAKSHINA KANNADA	530	129	16	32
10.	DHARWAR	7633	4	50	26
11.	GULBARGA	707	30	72	15
12.	HASSAN	10623	37	59	40
13.	KODAGU	11	149	3	43
14.	KOLAR	6902	19	53	47
15.	MANDYA	1111	24	37	22
16.	MYSORE	2705	25	36	17
17.	RAICHUR	3716	17	40	42
18.	SHIMOGA	3785	36	52	31
19.	TUMKUR	10113	6	39	19
20.	UTTARA KANNADA	139	189	24	28
----- State Average:		79596	43	45	34

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : KARNATAKA

(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.	BANGALORE RURAL	10780	8474	3334	2637	720	15165
2.	BANGALORE URBAN	10689	10144	6900	1454	118	18616
3.	BELGAUM	10138	6085	2038	2736	209	11068
4.	BELLARY	3520	3158	1039	411	375	4983
5.	BIDAR	682	372	302	53	29	756
6.	BIJAPUR	5056	3160	2161	283	284	5888
7.	CHIKKAMAGALORE	4197	1471	484	2945	211	5111
8.	CHITRADURGA	19111	15223	3961	5378	2517	27079
9.	DAKSHINA KANNADA	941	54	205	700	10	969
10.	DHARWAR	13969	11036	7101	3167	2212	23516
11.	GULBARGA	1452	941	618	24	13	1596
12.	HASSAN	17680	10985	5149	6717	379	23230
13.	KODAGU	19	19	4	1	0	24
14.	KOLAR	10712	8438	4488	2049	471	15446
15.	MANDYA	1353	690	334	439	59	1522

16.	MYSORE	4999	3346	1506	1719	269	6840
17.	RAICHUR	9271	8744	5943	320	681	15688
18.	SHIMOGA	8040	6647	1960	1706	1182	11495
19.	TUMKUR	20372	13531	6096	5188	3960	28775
20.	UTTARA KANNADA	336	183	188	41	2	414
State Total :		153317	112701	53811	37968	13701	218181

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : KARNATAKA

(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.	BANGALORE RURAL	7012	2395	2027	701	12135
2.	BANGALORE URBAN	8785	6396	1199	60	16440
3.	BELGAUM	4613	1898	2465	217	9193
4.	BELLARY	2702	845	406	381	4334
5.	BIDAR	312	175	39	15	541
6.	BIJAPUR	2448	1241	271	231	4191
7.	CHIKKAMAGALORE	1251	276	2572	218	4317
8.	CHITRADURGA	13270	3190	4740	2023	23223
9.	DAKSHINA KANNADA	32	170	674	11	887
10.	DHARWAR	9793	5829	1056	1933	18611
11.	GULBARGA	652	487	24	12	1175
12.	HASSAN	9503	4102	6026	255	19886
13.	KODAGU	18	3	2	0	23
14.	KOLAR	6538	3333	1488	354	11713
15.	MANDYA	596	293	316	62	1267
16.	MYSORE	3001	954	1586	231	5772
17.	RAICHUR	7512	5766	239	330	13847
18.	SHIMOGA	6245	1409	1473	1048	10175
19.	TUMKUR	10052	3879	3717	3018	20666
20.	UTTARA KANNADA	160	129	33	2	324
State Total :		94495	42770	30353	11102	178720

MINOR IRRIGATION CENSUS (1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.15 Irrigation through supplementary sources

State : KARNATAKA		(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.	BANGALORE RURAL	115	104	281	92	592
2.	BANGALORE URBAN	492	338	362	0	1192
3.	BELGAUM	388	192	129	4	713
4.	BELLARY	561	242	13	0	816
5.	BIDAR	1	2	1	0	4
6.	BIJAPUR	47	39	14	6	106
7.	CHIKKAMAGALORE	46	82	82	82	292
8.	CHITRADURGA	750	122	232	80	1184
9.	DAKSHINA KANNADA	0	0	8	0	8
10.	DHARWAR	418	208	108	46	780
11.	GULBARGA	38	11	1	8	58
12.	HASSAN	275	136	331	22	764
13.	KODAGU	0	0	0	0	0
14.	KOLAR	243	78	88	9	418
15.	MANDYA	53	74	74	14	215
16.	MYSORE	805	83	138	68	1094
17.	RAICHUR	259	82	43	23	407
18.	SHIMOGA	1174	227	231	160	1792
19.	TUMKUR	248	38	123	828	1237
20.	UTTARA KANNADA	0	0	0	0	0
State Total :		5913	2058	2259	1442	11672

MINOR IRRIGATION CENSUS (1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.16 Tubewells according to the constraints

State : KARNATAKA		(in Nos.)						
Sl. No.	Name of District	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	
								(4 + 9)

1	2	3	4	5	6	7	8	9	10
1.	BANGALORE RURAL	7314	3136	2405	138	1388	247	4178	7314
2.	BANGALORE URBAN	2190	1191	783	22	176	18	999	2190
3.	BELGAUM	4898	2428	874	21	1414	161	2470	4898
4.	BELLARY	1347	517	685	22	107	16	830	1347
5.	BIDAR	290	199	68	3	20	0	91	290
6.	BIJAPUR	2194	496	727	73	821	77	1698	2194
7.	CHIKKAMAGALORE	2849	2606	223	4	3	13	243	2849
8.	CHITRADURGA	8834	3850	2577	82	2136	189	4984	8834
9.	DAKSHINA KANNADA	513	340	121	5	18	29	173	513
10.	DHARWAR	7257	2729	2483	319	1396	330	4528	7257
11.	GULBARGA	627	212	184	91	88	52	415	627
12.	HASSAN	10395	5044	4301	323	427	300	5351	10395
13.	KODAGU	11	4	4	0	3	0	7	11
14.	KOLAR	6377	1797	2857	78	1517	128	4580	6377
15.	MANDYA	1079	405	433	6	142	93	674	1079
16.	MYSORE	2604	1205	1009	74	235	81	1399	2604
17.	RAICHUR	3243	2239	626	21	312	45	1004	3243
18.	SHIMOGA	3700	1480	1970	49	139	62	2220	3700
19.	TUMKUR	9616	4150	3952	28	1250	236	5466	9616
20.	UTTARA KANNADA	131	101	20	1	3	6	30	131
State Total :		75469	34129	26302	1360	11595	2083	41340	75469

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : KERALA

(in Nos.)

Construction of 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	22	22	40	20	43	88	102	144	481
2.	ERANAKULAM	7	6	12	20	15	16	21	31	128
3.	IDUKKI	1	0	0	0	1	0	0	0	2
4.	KANNUR	1	2	0	0	0	0	0	0	3
5.	KASARAGODE	4	2	10	4	10	11	4	5	50
6.	KOLLAM	0	4	3	6	14	12	18	10	67
7.	KOTTAYAM	1	0	1	0	4	2	3	3	14
8.	KOZHIKODE	0	0	0	0	1	0	0	0	1
9.	MALAPPURAM	30	8	9	28	30	36	19	24	184
10.	PALAKKAD	35	14	19	31	27	31	14	18	189

11.	PATHANAMTHITTA	1	4	6	8	8	9	2	6	44
12.	THIRUVANANTHAPURAM	2	30	21	25	19	46	10	40	193
13.	THRISSUR	113	97	107	105	174	260	74	78	1008
* State Total :		217	189	228	247	346	511	267	359	2364

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

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.2 Distribution according to ownership

State : KERALA (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.	ALAPUZHA	0	0	0	0	481	0	481
2.	ERANAKULAM	24	1	0	0	103	0	128
3.	IDUKKI	1	0	0	0	1	0	2
4.	KANNUR	1	0	0	0	2	0	3
5.	KASARAGODE	6	0	7	2	31	4	50
6.	KOLLAM	0	0	0	0	67	0	67
7.	KOTTAYAM	1	0	0	0	13	0	14
8.	KOZHIKODE	0	0	0	0	1	0	1
9.	MALAPPURAM	2	0	0	0	182	0	184
10.	PALAKKAD	1	0	0	1	187	0	189
11.	PATHANAMTHITTA	0	0	0	0	43	1	44
12.	THIRUVANANTHAPURAM	7	0	0	0	186	0	193
13.	THRISSUR	2	1	0	1	1003	1	1008
* State Total :		45	2	7	4	2300	6	2364

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

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.3 Distribution of Tubewell according to the holding size

State : KERALA (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.	ALAPUZHA	448	29	4	0	481
2.	ERANAKULAM	101	1	1	0	103
3.	IDUKKI	1	0	0	0	1
4.	KANNUR	1	1	0	0	2
5.	KASARAGODE	6	14	13	0	33
6.	KOLLAM	55	10	2	0	67
7.	KOTTAYAM	8	2	3	0	13
8.	KOZHIKODE	1	0	0	0	1
9.	MALAPPURAM	163	16	3	0	182
10.	PALAKKAD	65	77	43	3	188
11.	PATHANAMTHITTA	33	7	3	0	43
12.	THIRUVANANTHAPURAM	181	4	1	0	186
13.	THRISSUR	913	80	11	0	1004
* State Total :		1976	241	84	3	2304

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell according to social status

State : KERALA

(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.	ALAPUZHA	10	6	465	481	0	481
2.	ERANAKULAM	0	0	103	103	25	128
3.	IDUKKI	0	0	1	1	1	2
4.	KANNUR	0	0	2	2	1	3
5.	KASARAGODE	3	1	29	33	17	50
6.	KOLLAM	0	0	67	67	0	67
7.	KOTTAYAM	0	0	13	13	1	14
8.	KOZHIKODE	0	0	1	1	0	1
9.	MALAPPURAM	0	4	178	182	2	184
10.	PALAKKAD	4	1	183	188	1	189
11.	PATHANAMTHITTA	0	0	43	43	1	44
12.	THIRUVANANTHAPURAM	0	0	186	186	7	193
13.	THRISSUR	35	0	969	1004	4	1008

* State Total :	52	12	2240	2304	60	2364
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* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : KERALA		(in Nos.)				
		Type of Tubewells				
Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7
1.	ALAPUZHA	119	352	10	0	481
2.	ERANAKULAM	68	27	33	0	128
3.	IDUKKI	1	0	1	0	2
4.	KANNUR	3	0	0	0	3
5.	KASARAGODE	16	11	19	4	50
6.	KOLLAM	45	19	1	2	67
7.	KOTTAYAM	12	0	2	0	14
8.	KOZHIKODE	1	0	0	0	1
9.	MALAPPURAM	178	0	6	0	184
10.	PALAKKAD	55	0	134	0	189
11.	PATHANAMTHITTA	37	0	2	5	44
12.	THIRUVANANTHAPURAM	52	133	8	0	193
13.	THRISSUR	520	479	9	0	1008
* State Total :		1107	1021	225	11	2364

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : KERALA		(in Nos.)							
		T'Wells	Tubewells Not in Use						Grand
Sl. No.	Name of District	In Use	Temporary	Abandoned	Dried up	Destroyed	Others	Total (4 to 8)	Total (3 + 9)
1	2	3	4	5	6	7	8	9	10

1.	ALAPUZHA	477	2	1	0	1	0	4	481
2.	ERANAKULAM	128	0	0	0	0	0	0	128
3.	IDUKKI	2	0	0	0	0	0	0	2
4.	KANNUR	3	0	0	0	0	0	0	3
5.	KASARAGODE	47	2	0	1	0	0	3	50
6.	KOLLAM	63	0	0	2	0	2	4	67
7.	KOTTAYAM	13	1	0	0	0	0	1	14
8.	KOZHIKODE	1	0	0	0	0	0	0	1
9.	MALAPPURAM	183	1	0	0	0	0	1	184
10.	PALAKKAD	187	0	1	0	0	1	2	189
11.	PATHANAMTHITTA	39	2	0	3	0	0	5	44
12.	THIRUVANANTHAPURAM	193	0	0	0	0	0	0	193
13.	THRISSUR	1008	0	0	0	0	0	0	1008
* State Total :		2344	8	2	6	1	3	20	2364

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : KERALA

(in Nos.)

		Source of Finance for constructing Tubewell						Total (3 to 8)
Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	
1	2	3	4	5	6	7	8	9
1.	ALAPUZHA	17	124	21	288	17	14	481
2.	ERANAKULAM	0	43	34	23	3	1	104
3.	IDUKKI	0	0	1	0	0	0	1
4.	KANNUR	0	0	0	2	0	0	2
5.	KASARAGODE	12	12	2	6	10	2	44
6.	KOLLAM	8	14	10	31	4	0	67
7.	KOTTAYAM	0	10	0	2	0	1	13
8.	KOZHIKODE	0	1	0	0	0	0	1
9.	MALAPPURAM	1	177	3	0	0	1	182
10.	PALAKKAD	29	114	31	5	9	0	188
11.	PATHANAMTHITTA	1	19	2	16	5	1	44
12.	THIRUVANANTHAPURAM	16	20	149	1	0	0	186
13.	THRISSUR	102	832	14	25	27	6	1006
* State Total :		186	1366	267	399	75	26	2319

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : KERALA		(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.	ALAPUZHA	1	3	0	8	469	481
2.	ERANAKULAM	0	3	42	0	83	128
3.	IDUKKI	0	1	1	0	0	2
4.	KANNUR	0	0	1	0	2	3
5.	KASARAGODE	4	1	23	10	12	50
6.	KOLLAM	0	0	0	65	2	67
7.	KOTTAYAM	0	3	0	5	6	14
8.	KOZHIKODE	0	0	0	1	0	1
9.	MALAPPURAM	1	0	102	2	79	184
10.	PALAKKAD	0	5	73	70	41	189
11.	PATHANAMTHITTA	0	0	0	7	37	44
12.	THIRUVANANTHAPURAM	0	0	20	137	36	193
13.	THRISSUR	1	6	103	305	593	1008

* State Total :		7	22	365	610	1360	2364

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : KERALA		(in Nos.)						
		According to Water Lifting Devices for Tubewell						
Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	ALAPUZHA	470	3	0	0	7	1	481
2.	ERANAKULAM	114	0	0	0	14	0	128

3. IDUKKI	1	0	0	0	1	0	2
4. KANNUR	0	0	0	0	3	0	3
5. KASARAGODE	26	2	0	0	12	10	50
6. KOLLAM	65	0	0	0	1	1	67
7. KOTTAYAM	14	0	0	0	0	0	14
8. KOZHIKODE	1	0	0	0	0	0	1
9. MALAPPURAM	125	57	0	0	2	0	184
10. PALAKKAD	180	7	1	0	1	0	189
11. PATHANAMTHITTA	38	0	0	0	6	0	44
12. THIRUVANANTHAPURAM	192	0	0	0	1	0	193
13. THRISSUR	811	185	1	2	9	0	1008

* State Total : 2037 254 2 2 57 12 2364

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : KERALA

(in Nos.)

According to horse power of lifting devices

Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
1.	ALAPUZHA	465	4	0	0	0	5	7	481
2.	ERANAKULAM	108	3	1	0	0	2	14	128
3.	IDUKKI	0	0	1	0	0	0	1	2
4.	KANNUR	0	0	0	0	0	0	3	3
5.	KASARAGODE	22	9	7	0	0	0	12	50
6.	KOLLAM	59	2	1	0	0	4	1	67
7.	KOTTAYAM	9	1	4	0	0	0	0	14
8.	KOZHIKODE	1	0	0	0	0	0	0	1
9.	MALAPPURAM	153	23	3	0	2	1	2	184
10.	PALAKKAD	33	37	87	20	9	2	1	189
11.	PATHANAMTHITTA	38	0	0	0	0	0	6	44
12.	THIRUVANANTHAPURAM	161	21	3	0	0	7	1	193
13.	THRISSUR	855	124	16	2	1	1	9	1008
* State Total :		1904	224	123	22	12	22	57	2364

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

MINOR IRRIGATION CENSUS (1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : KERALA		(in Nos.)									
		Location of Tubewell			According to Average Pumping Hours during peak season						
Sl. No.	Name of District	On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	ALAPUZHA	9	472	481	321	121	34	4	0	1	481
2.	ERANAKULAM	29	99	128	106	22	0	0	0	0	128
3.	IDUKKI	0	2	2	2	0	0	0	0	0	2
4.	KANNUR	0	3	3	3	0	0	0	0	0	3
5.	KASARAGODE	0	50	50	28	17	5	0	0	0	50
6.	KOLLAM	0	67	67	58	8	1	0	0	0	67
7.	KOTTAYAM	0	14	14	13	0	1	0	0	0	14
8.	KOZHIKODE	0	1	1	1	0	0	0	0	0	1
9.	MALAPPURAM	0	184	184	109	75	0	0	0	0	184
10.	PALAKKAD	72	117	189	63	79	21	22	4	0	189
11.	PATHANAMTHITTA	1	43	44	40	4	0	0	0	0	44
12.	THIRUVANANTHAPURAM	5	188	193	165	28	0	0	0	0	193
13.	THRISSUR	2	1006	1008	988	19	0	0	0	1	1008
* State Total :		118	2246	2364	1897	373	62	26	4	2	2364

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

MINOR IRRIGATION CENSUS (1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.12 Average length of Water Conveyance Channel

State : KERALA		(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.	ALAPUZHA	481	4	20	4
2.	ERANAKULAM	128	9	43	15
3.	IDUKKI	2	0	513	0
4.	KANNUR	3	0	0	0
5.	KASARAGODE	50	9	55	457

6.	KOLLAM	67	0	0	87
7.	KOTTAYAM	14	0	22	196
8.	KOZHIKODE	1	0	0	200
9.	MALAPPURAM	184	1	120	28
10.	PALAKKAD	189	1	46	34
11.	PATHANAMTHITTA	44	0	0	12
12.	THIRUVANANTHAPURAM	193	475	511	39
13.	THRISSUR	1008	12	172	52

 * State Average: 2364 73 166 102

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : KERALA

(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.	ALAPUZHA	189	1	1	182	11	195
2.	ERANAKULAM	51	0	0	15	37	52
3.	IDUKKI	11	6	6	3	2	17
4.	KANNUR	0	0	0	0	0	0
5.	KASARAGODE	174	36	47	69	32	184
6.	KOLLAM	53	25	0	38	25	88
7.	KOTTAYAM	14	0	0	20	3	23
8.	KOZHIKODE	0	0	0	0	0	0
9.	MALAPPURAM	1083	54	47	51	992	1144
10.	PALAKKAD	347	252	209	4	139	604
11.	PATHANAMTHITTA	33	0	0	8	27	35
12.	THIRUVANANTHAPURAM	122	37	21	52	25	135
13.	THRISSUR	457	0	2	439	46	487
* State Total :		2534	411	333	881	1339	2964

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : KERALA (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.	ALAPUZHA	1	1	181	9	192
2.	ERANAKULAM	0	0	13	37	50
3.	IDUKKI	6	5	3	2	16
4.	KANNUR	0	0	0	0	0
5.	KASARAGODE	36	43	70	21	170
6.	KOLLAM	21	0	33	23	77
7.	KOTTAYAM	0	0	15	1	16
8.	KOZHIKODE	0	0	0	0	0
9.	MALAPPURAM	52	40	50	991	1133
10.	PALAKKAD	249	186	4	125	564
11.	PATHANAMTHITTA	0	0	7	26	33
12.	THIRUVANANTHAPURAM	35	21	49	22	127
13.	THRISSUR	0	2	432	36	470
* State Total :		400	298	857	1293	2848

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 Irrigation through supplementary sources

State : KERALA (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.	ALAPUZHA	0	0	6	0	6
2.	ERANAKULAM	0	0	0	1	1
3.	IDUKKI	0	0	0	0	0
4.	KANNUR	0	0	0	0	0
5.	KASARAGODE	0	0	0	0	0
6.	KOLLAM	0	0	0	0	0
7.	KOTTAYAM	0	0	0	0	0
8.	KOZHIKODE	0	0	0	0	0
9.	MALAPPURAM	0	0	0	0	0
10.	PALAKKAD	33	73	0	20	126
11.	PATHANAMTHITTA	0	0	0	0	0

12.	THIRUVANANTHAPURAM	32	18	10	9	69
13.	THRISSUR	0	0	0	0	0
* State Total :		65	91	16	30	202

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : KERALA

(in Nos.)

Sl. No.	Name of District	No. of T'wells in use	No. of T'wells with no cons'ts	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.	ALAPUZHA	477	0	2	2	6	467	477	477
2.	ERANAKULAM	128	0	2	0	28	98	128	128
3.	IDUKKI	2	0	0	0	0	2	2	2
4.	KANNUR	3	0	0	0	0	3	3	3
5.	KASARAGODE	47	0	15	3	3	26	47	47
6.	KOLLAM	63	0	0	0	0	63	63	63
7.	KOTTAYAM	13	0	0	0	0	13	13	13
8.	KOZHIKODE	1	0	0	0	1	0	1	1
9.	MALAPPURAM	183	0	90	1	1	91	183	183
10.	PALAKKAD	187	0	45	1	50	91	187	187
11.	PATHANAMTHITTA	39	0	0	0	2	37	39	39
12.	THIRUVANANTHAPURAM	193	0	36	0	85	72	193	193
13.	THRISSUR	1008	0	4	0	4	1000	1008	1008
* State Total :		2344	0	194	7	180	1963	2344	2344

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : MADHYA PRADESH

(in Nos.)

Construction of 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	56	2	2	0	15	0	0	2	77
2.	BASTAR	19	1	1	2	4	0	1	5	33
3.	BETUL	158	5	22	121	79	62	79	46	572
4.	BHIND	222	16	33	28	27	19	76	44	465
5.	BHOPAL	536	113	194	357	475	532	379	366	2952
6.	BILASPUR	582	112	143	146	270	168	230	189	1840
7.	CHHATARPUR	199	6	13	21	15	10	12	6	282
8.	CHHINDWARA	257	72	36	25	75	40	54	27	586
9.	DAMOH	205	128	183	204	522	520	582	366	2710
10.	DEWAS	1784	477	648	826	1115	798	509	405	6562
11.	DHAR	2972	1410	1033	2433	2576	1446	1474	1452	14796
12.	DURG	1580	441	561	616	835	658	540	298	5529
13.	GUNA	62	38	41	124	383	326	534	432	1940
14.	GWALIOR	242	20	31	61	74	68	44	122	662
15.	HOSHANGABAD	836	171	233	222	279	293	305	190	2529
16.	INDORE	3134	1062	1398	2263	3563	2658	1621	1867	17566
17.	JABALPUR	102	30	62	85	262	264	206	250	1261
18.	JHABUA	14	6	7	5	9	5	7	25	78
19.	KHANDWA	20	3	1	2	11	6	5	14	62
20.	KHARGONE	56	46	62	100	184	194	137	50	829
21.	MANDLA	3	0	0	0	21	14	10	3	51
22.	MANDSAUR	43	14	19	43	63	73	56	91	402
23.	MORENA	170	50	192	360	340	237	317	247	1913
24.	NARSIMHAPUR	737	348	542	671	2603	777	0	0	5678
25.	PANNA	19	1	3	11	17	13	54	28	146
26.	RAIGARH	217	107	222	261	517	157	177	69	1727
27.	RAIPUR	1236	145	301	463	566	488	427	294	3920
28.	RAISEN	333	82	219	353	984	1178	1431	985	5565
29.	RAJGARH	194	64	76	103	198	192	159	159	1145
30.	RAJNANDGAON	90	16	25	27	18	30	18	6	230
31.	RATLAM	805	153	220	387	590	720	589	603	4067
32.	REWA	104	33	51	128	242	256	200	156	1170
33.	SAGAR	175	39	93	93	201	280	327	346	1554
34.	SATNA	159	43	127	185	420	476	719	468	2597
35.	SEHORE	718	419	384	910	1584	844	520	265	5644
36.	SEONI	12	11	2	1	1	1	6	6	40
37.	SHAHDOL	9	0	17	6	3	3	21	6	65
38.	SHAJAPUR	390	87	186	333	657	540	594	320	3107
39.	SHIVPURI	44	4	25	14	33	24	48	45	237
40.	SIDHI	63	24	33	33	36	50	54	41	334
41.	SURGUJA	16	0	0	0	2	0	0	0	18
42.	TIKAMGARH	529	32	77	53	113	31	9	53	897
43.	UJJAIN	2490	608	1138	1764	2771	3344	2596	2381	17092
44.	VIDISHA	83	15	56	78	473	456	767	646	2574
* State Total :		21675	6454	8712	13918	23226	18251	15894	13374	121504

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 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	7	0	0	38	30	2	77
2.	BASTAR	0	0	0	0	33	0	33
3.	BETUL	1	0	1	19	551	0	572
4.	BHIND	13	2	4	184	262	0	465
5.	BHOPAL	0	6	0	272	2674	0	2952
6.	BILASPUR	28	1	0	2	1807	2	1840
7.	CHHATARPUR	0	0	0	0	282	0	282
8.	CHHINDWARA	4	0	0	59	523	0	586
9.	DAMOH	4	0	2	39	2665	0	2710
10.	DEWAS	3	11	3	683	5862	0	6562
11.	DHAR	3	1	0	9	14779	4	14796
12.	DURG	110	0	0	1	5418	0	5529
13.	GUNA	39	0	6	200	1688	7	1940
14.	GWALIOR	20	0	0	40	599	3	662
15.	HOSHANGABAD	10	0	1	24	2493	1	2529
16.	INDORE	9	13	68	68	17405	3	17566
17.	JABALPUR	10	2	3	12	1233	1	1261
18.	JHABUA	0	0	0	0	78	0	78
19.	KHANDWA	0	0	0	0	62	0	62
20.	KHARGONE	0	0	2	7	820	0	829
21.	MANDLA	0	0	0	0	51	0	51
22.	MANDSAUR	3	0	0	160	239	0	402
23.	MORENA	40	1	11	240	1621	0	1913
24.	NARSIMHAPUR	9	3	13	40	5609	4	5678
25.	PANNA	0	0	0	1	145	0	146
26.	RAIGARH	212	4	3	1	1507	0	1727
27.	RAIPUR	11	1	0	2	3906	0	3920
28.	RAISEN	15	0	2	177	5371	0	5565
29.	RAJGARH	0	0	0	89	1056	0	1145
30.	RAJNANDGAON	54	0	0	1	175	0	230
31.	RATLAM	1	1	0	363	3702	0	4067
32.	REWA	12	2	1	10	1142	3	1170
33.	SAGAR	3	1	1	19	1526	4	1554

34.	SATNA	11	1	1	138	2446	0	2597
35.	SEHORE	6	3	2	191	5441	1	5644
36.	SEONI	0	0	0	0	40	0	40
37.	SHAHNOL	9	0	0	0	56	0	65
38.	SHAJAPUR	9	0	0	310	2788	0	3107
39.	SHIVPURI	14	0	0	24	199	0	237
40.	SIDHI	112	0	2	3	217	0	334
41.	SURGUJA	0	0	0	0	18	0	18
42.	TIKAMGARH	1	1	7	575	312	1	897
43.	UJJAIN	21	62	3	1191	15795	20	17092
44.	VIDISHA	2	0	0	146	2422	4	2574
* State Total :		806	116	136	5338	115048	60	121504

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell 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	9	9	12	38	68
2.	BASTAR	1	2	28	2	33
3.	BETUL	60	165	308	37	570
4.	BHIND	22	40	363	21	446
5.	BHOPAL	201	703	1816	226	2946
6.	BILASPUR	241	246	1115	207	1809
7.	CHHATARPUR	17	85	168	12	282
8.	CHHINDWARA	92	145	223	122	582
9.	DAMOH	321	586	1572	225	2704
10.	DEWAS	413	980	3876	1276	6545
11.	DHAR	667	2782	9452	1887	14788
12.	DURG	707	1437	2894	381	5419
13.	GUNA	95	252	1219	322	1888
14.	GWALIOR	55	125	410	49	639
15.	HOSHANGABAD	56	275	1930	256	2517
16.	INDORE	1162	3698	10983	1630	17473
17.	JABALPUR	67	289	791	98	1245
18.	JHABUA	7	17	49	5	78
19.	KHANDWA	8	16	35	3	62
20.	KHARGONE	33	168	581	45	827

21.	MANDLA	6	13	30	2	51
22.	MANDSAUR	41	37	153	168	399
23.	MORENA	117	192	1414	138	1861
24.	NARSIMHAPUR	287	1435	3630	297	5649
25.	PANNA	6	15	104	21	146
26.	RAIGARH	85	267	890	266	1508
27.	RAIPUR	538	1076	1974	320	3908
28.	RAISEN	118	507	3974	949	5548
29.	RAJGARH	53	132	714	246	1145
30.	RAJNANDGAON	16	27	96	37	176
31.	RATLAM	395	715	2582	373	4065
32.	REWA	51	206	779	116	1152
33.	SAGAR	129	383	877	156	1545
34.	SATNA	186	493	1697	208	2584
35.	SEHORE	189	836	3671	936	5632
36.	SEONI	7	7	22	4	40
37.	SHAHNOL	0	8	44	4	56
38.	SHAJAPUR	0	0	0	3098	3098
39.	SHIVPURI	12	33	143	35	223
40.	SIDHI	5	25	139	51	220
41.	SURGUJA	1	4	12	1	18
42.	TIKAMGARH	122	248	508	9	887
43.	UJJAIN	0	0	0	16986	16986
44.	VIDISHA	56	179	1682	651	2568

* State Total :		6654	18858	62960	31914	120386

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell 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	2	0	66	68	9	77
2.	BASTAR	0	5	28	33	0	33
3.	BETUL	28	28	514	570	2	572
4.	BHIND	2	1	443	446	19	465
5.	BHOPAL	161	32	2753	2946	6	2952
6.	BILASPUR	105	229	1475	1809	31	1840
7.	CHHATARPUR	52	11	219	282	0	282

8.	CHHINDWARA	19	112	451	582	4	586
9.	DAMOH	184	20	2500	2704	6	2710
10.	DEWAS	348	69	6128	6545	17	6562
11.	DHAR	544	1187	13057	14788	8	14796
12.	DURG	358	190	4871	5419	110	5529
13.	GUNA	103	52	1733	1888	52	1940
14.	GWALIOR	48	6	585	639	23	662
15.	HOSHANGABAD	56	31	2430	2517	12	2529
16.	INDORE	878	283	16312	17473	93	17566
17.	JABALPUR	24	30	1191	1245	16	1261
18.	JHABUA	0	47	31	78	0	78
19.	KHANDWA	2	1	59	62	0	62
20.	KHARGONE	65	162	600	827	2	829
21.	MANDLA	1	16	34	51	0	51
22.	MANDSAUR	8	9	382	399	3	402
23.	MORENA	142	18	1701	1861	52	1913
24.	NARSIMHAPUR	229	106	5314	5649	29	5678
25.	PANNA	8	2	136	146	0	146
26.	RAIGARH	35	56	1417	1508	219	1727
27.	RAIPUR	173	147	3588	3908	12	3920
28.	RAISEN	146	142	5260	5548	17	5565
29.	RAJGARH	68	18	1059	1145	0	1145
30.	RAJNANDGAON	2	6	168	176	54	230
31.	RATLAM	309	289	3467	4065	2	4067
32.	REWA	42	1	1109	1152	18	1170
33.	SAGAR	64	23	1458	1545	9	1554
34.	SATNA	97	10	2477	2584	13	2597
35.	SEHORE	535	37	5060	5632	12	5644
36.	SEONI	6	9	25	40	0	40
37.	SHAHDOL	1	5	50	56	9	65
38.	SHAJAPUR	0	0	3098	3098	9	3107
39.	SHIVPURI	8	2	213	223	14	237
40.	SIDHI	0	3	217	220	114	334
41.	SURGUJA	0	0	18	18	0	18
42.	TIKAMGARH	71	15	801	887	10	897
43.	UJJAIN	0	0	16986	16986	106	17092
44.	VIDISHA	55	11	2502	2568	6	2574

* State Total : 4979 3421 111986 120386 1118 121504

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : MADHYA PRADESH

(in Nos.)

Type of Tubewells

Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7
1.	BALAGHAT	75	2	0	0	77
2.	BASTAR	17	0	16	0	33
3.	BETUL	482	20	59	11	572
4.	BHIND	369	13	57	26	465
5.	BHOPAL	2847	84	15	6	2952
6.	BILASPUR	1289	55	426	70	1840
7.	CHHATARPUR	265	12	2	3	282
8.	CHHINDWARA	368	200	18	0	586
9.	DAMOH	2449	31	198	32	2710
10.	DEWAS	2455	70	4036	1	6562
11.	DHAR	13798	466	497	35	14796
12.	DURG	5238	15	256	20	5529
13.	GUNA	1841	8	91	0	1940
14.	GWALIOR	575	0	87	0	662
15.	HOSHANGABAD	2350	10	165	4	2529
16.	INDORE	16784	100	631	51	17566
17.	JABALPUR	1197	18	45	1	1261
18.	JHABUA	71	3	4	0	78
19.	KHANDWA	45	0	17	0	62
20.	KHARGONE	790	2	35	2	829
21.	MANDLA	19	1	29	2	51
22.	MANDSAUR	220	90	72	20	402
23.	MORENA	1546	9	357	1	1913
24.	NARSIMHAPUR	4958	227	489	4	5678
25.	PANNA	103	1	24	18	146
26.	RAIGARH	1473	15	239	0	1727
27.	RAIPUR	3157	35	701	27	3920
28.	RAISEN	5249	39	225	52	5565
29.	RAJGARH	914	10	176	45	1145
30.	RAJNANDGAON	172	2	56	0	230
31.	RATLAM	2390	60	1605	12	4067
32.	REWA	1112	8	46	4	1170
33.	SAGAR	1345	14	190	5	1554
34.	SATNA	1848	45	701	3	2597
35.	SEHORE	5423	21	135	65	5644
36.	SEONI	0	0	0	40	40
37.	SHAHDOL	51	0	13	1	65
38.	SHAJAPUR	1082	50	1972	3	3107
39.	SHIVPURI	204	0	33	0	237
40.	SIDHI	319	2	13	0	334
41.	SURGUJA	2	0	16	0	18
42.	TIKAMGARH	851	29	11	6	897
43.	UJJAIN	7597	216	9253	26	17092
44.	VIDISHA	2503	2	69	0	2574

* State Total : 95843 1985 23080 596 121504

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : MADHYA PRADESH

(in Nos.)

Sl. No.	Name of District	T'Wells In Use	----- Tubewells Not in Use -----				Others	Total (4 to 8)	Grand Total (3 + 9)
			Temporary	Abandoned (Salinity)	Dried up	Destroyed			
1	2	3	4	5	6	7	8	9	10
1.	BALAGHAT	77	0	0	0	0	0	0	77
2.	BASTAR	31	0	0	0	1	1	2	33
3.	BETUL	567	1	3	1	0	0	5	572
4.	BHIND	459	0	0	0	0	6	6	465
5.	BHOPAL	2949	3	0	0	0	0	3	2952
6.	BILASPUR	1783	22	31	4	0	0	57	1840
7.	CHHATARPUR	280	0	0	0	0	2	2	282
8.	CHHINDWARA	586	0	0	0	0	0	0	586
9.	DAMOH	2692	10	2	1	0	5	18	2710
10.	DEWAS	6435	39	3	53	0	32	127	6562
11.	DHAR	14223	102	16	103	9	343	573	14796
12.	DURG	5247	142	28	21	4	87	282	5529
13.	GUNA	1940	0	0	0	0	0	0	1940
14.	GWALIOR	662	0	0	0	0	0	0	662
15.	HOSHANGABAD	2499	9	5	2	1	13	30	2529
16.	INDORE	17323	33	32	52	43	83	243	17566
17.	JABALPUR	1259	0	0	2	0	0	2	1261
18.	JHABUA	75	1	0	0	0	2	3	78
19.	KHANDWA	54	8	0	0	0	0	8	62
20.	KHARGONE	772	42	3	10	0	2	57	829
21.	MANDLA	51	0	0	0	0	0	0	51
22.	MANDSAUR	397	1	1	1	0	2	5	402
23.	MORENA	1913	0	0	0	0	0	0	1913
24.	NARSIMHAPUR	5501	1	1	168	0	7	177	5678
25.	PANNA	145	0	0	1	0	0	1	146
26.	RAIGARH	1701	13	8	5	0	0	26	1727
27.	RAIPUR	3801	84	25	5	2	3	119	3920
28.	RAISEN	5544	11	1	2	2	5	21	5565
29.	RAJGARH	1141	0	0	2	0	2	4	1145
30.	RAJNANDGAON	213	8	8	1	0	0	17	230
31.	RATLAM	3985	19	15	24	0	24	82	4067
32.	REWA	1160	7	2	1	0	0	10	1170
33.	SAGAR	1554	0	0	0	0	0	0	1554

34.	SATNA	2584	8	3	2	0	0	13	2597
35.	SEHORE	5617	12	1	7	1	6	27	5644
36.	SEONI	40	0	0	0	0	0	0	40
37.	SHAHNOL	64	0	1	0	0	0	1	65
38.	SHAJAPUR	3051	9	23	11	0	13	56	3107
39.	SHIVPURI	237	0	0	0	0	0	0	237
40.	SIDHI	329	3	1	0	0	1	5	334
41.	SURGUJA	18	0	0	0	0	0	0	18
42.	TIKAMGARH	892	0	0	0	0	5	5	897
43.	UJJAIN	16838	121	26	19	0	88	254	17092
44.	VIDISHA	2554	18	1	0	0	1	20	2574

* State Total :		119243	727	240	498	63	733	2261	121504

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : MADHYA PRADESH

(in Nos.)

Source of Finance for constructing Tubewell								

Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	Total (3 to 8)

1	2	3	4	5	6	7	8	9

1.	BALAGHAT	47	21	0	2	0	0	70
2.	BASTAR	3	8	16	6	0	0	33
3.	BETUL	220	258	61	32	0	0	571
4.	BHIND	33	170	52	6	191	0	452
5.	BHOPAL	419	2152	292	81	7	1	2952
6.	BILASPUR	335	1095	251	57	74	0	1812
7.	CHHATARPUR	219	7	42	9	5	0	282
8.	CHHINDWARA	400	133	29	19	1	0	582
9.	DAMOH	211	2007	283	115	21	69	2706
10.	DEWAS	550	5824	153	14	18	0	6559
11.	DHAR	1728	12098	439	116	41	371	14793
12.	DURG	459	3679	871	374	28	8	5419
13.	GUNA	350	1297	73	5	176	0	1901
14.	GWALIOR	62	499	9	4	68	0	642
15.	HOSHANGABAD	427	1330	326	415	7	14	2519
16.	INDORE	1112	15719	599	61	35	31	17557
17.	JABALPUR	331	530	177	194	19	0	1251
18.	JHABUA	3	30	36	9	0	0	78
19.	KHANDWA	38	18	6	0	0	0	62
20.	KHARGONE	38	452	235	95	9	0	829

21. MANDLA	4	44	2	1	0	0	51
22. MANDSAUR	133	228	14	11	0	13	399
23. MORENA	122	1433	25	25	268	0	1873
24. NARSIMHAPUR	1542	2741	965	372	34	15	5669
25. PANNA	18	79	19	14	8	8	146
26. RAIGARH	36	945	476	47	11	0	1515
27. RAIPUR	881	2308	515	179	26	0	3909
28. RAISEN	1025	4042	265	161	55	2	5550
29. RAJGARH	265	853	24	2	0	1	1145
30. RAJNANDGAON	26	78	54	17	1	0	176
31. RATLAM	153	3837	31	9	36	0	4066
32. REWA	78	937	87	56	0	0	1158
33. SAGAR	300	1018	80	110	43	0	1551
34. SATNA	198	2147	130	110	1	0	2586
35. SEHORE	1005	4429	86	58	9	51	5638
36. SEONI	22	10	1	5	2	0	40
37. SHAHDOL	22	24	4	1	5	0	56
38. SHAJAPUR	292	2739	48	19	0	0	3098
39. SHIVPURI	25	138	6	3	24	27	223
40. SIDHI	6	93	94	28	0	1	222
41. SURGUJA	0	13	4	1	0	0	18
42. TIKAMGARH	720	91	16	9	60	0	896
43. UJJAIN	1386	15497	145	32	11	0	17071
44. VIDISHA	240	2057	236	18	11	10	2572

* State Total : 15484 93108 7277 2902 1305 622 120698

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : MADHYA 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.	BALAGHAT	14	0	39	12	12	77
2.	BASTAR	0	0	32	0	1	33
3.	BETUL	4	6	513	8	41	572
4.	BHIND	1	6	448	0	10	465
5.	BHOPAL	6	6	1617	1293	30	2952
6.	BILASPUR	59	22	1236	58	465	1840
7.	CHHATARPUR	37	0	245	0	0	282

8.	CHHINDWARA	108	0	471	2	5	586
9.	DAMOH	184	45	1081	1387	13	2710
10.	DEWAS	132	14	3091	2559	766	6562
11.	DHAR	165	73	5538	7295	1725	14796
12.	DURG	63	40	4318	75	1033	5529
13.	GUNA	8	12	874	338	708	1940
14.	GWALIOR	7	2	653	0	0	662
15.	HOSHANGABAD	146	4	2061	246	72	2529
16.	INDORE	194	88	8856	7752	676	17566
17.	JABALPUR	1127	1	74	14	45	1261
18.	JHABUA	0	0	76	2	0	78
19.	KHANDWA	6	0	10	45	1	62
20.	KHARGONE	4	2	694	115	14	829
21.	MANDLA	1	0	37	13	0	51
22.	MANDSAUR	8	0	280	108	6	402
23.	MORENA	7	2	1895	0	9	1913
24.	NARSIMHAPUR	4569	40	828	229	12	5678
25.	PANNA	0	0	80	17	49	146
26.	RAIGARH	2	2	1631	9	83	1727
27.	RAIPUR	70	71	2643	46	1090	3920
28.	RAISEN	331	213	744	4222	55	5565
29.	RAJGARH	2	0	924	208	11	1145
30.	RAJNANDGAON	21	1	150	28	30	230
31.	RATLAM	31	11	2638	925	462	4067
32.	REWA	15	9	1058	2	86	1170
33.	SAGAR	133	92	219	1015	95	1554
34.	SATNA	55	9	2378	5	150	2597
35.	SEHORE	5	16	1317	4273	33	5644
36.	SEONI	1	1	27	11	0	40
37.	SHAHDOL	0	0	57	7	1	65
38.	SHAJAPUR	23	6	760	2125	193	3107
39.	SHIVPURI	11	0	137	13	76	237
40.	SIDHI	1	1	332	0	0	334
41.	SURGUJA	1	0	17	0	0	18
42.	TIKAMGARH	0	0	875	0	22	897
43.	UJJAIN	41	39	6293	9580	1139	17092
44.	VIDISHA	16	2	144	2370	42	2574

* State Total : 7609 836 57391 46407 9261 121504

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : MADHYA PRADESH

(in Nos.)

According to Water Lifting Devices for Tubewell

Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	BALAGHAT	75	2	0	0	0	0	77
2.	BASTAR	29	0	0	0	4	0	33
3.	BETUL	555	15	0	0	2	0	572
4.	BHIND	444	2	0	0	19	0	465
5.	BHOPAL	2917	9	8	0	6	12	2952
6.	BILASPUR	1490	13	0	2	276	59	1840
7.	CHHATARPUR	273	5	0	1	3	0	282
8.	CHHINDWARA	549	6	0	0	31	0	586
9.	DAMOH	2584	115	1	0	3	7	2710
10.	DEWAS	6410	56	3	2	1	90	6562
11.	DHAR	14351	129	4	2	56	254	14796
12.	DURG	5299	49	10	3	138	30	5529
13.	GUNA	1937	0	0	0	3	0	1940
14.	GWALIOR	662	0	0	0	0	0	662
15.	HOSHANGABAD	2496	21	11	0	0	1	2529
16.	INDORE	17496	12	0	3	41	14	17566
17.	JABALPUR	1257	3	1	0	0	0	1261
18.	JHABUA	66	12	0	0	0	0	78
19.	KHANDWA	62	0	0	0	0	0	62
20.	KHARGONE	801	2	3	0	3	20	829
21.	MANDLA	32	19	0	0	0	0	51
22.	MANDSAUR	393	6	0	0	3	0	402
23.	MORENA	1875	0	19	0	19	0	1913
24.	NARSIMHAPUR	5279	399	0	0	0	0	5678
25.	PANNA	129	17	0	0	0	0	146
26.	RAIGARH	1713	10	0	0	4	0	1727
27.	RAIPUR	3731	26	17	3	143	0	3920
28.	RAISEN	5384	144	18	2	16	1	5565
29.	RAJGARH	1144	0	1	0	0	0	1145
30.	RAJNANDGAON	220	3	0	0	7	0	230
31.	RATLAM	4004	15	1	22	8	17	4067
32.	REWA	1167	0	0	1	2	0	1170
33.	SAGAR	1554	0	0	0	0	0	1554
34.	SATNA	2538	13	2	0	0	44	2597
35.	SEHORE	5408	231	1	1	3	0	5644
36.	SEONI	40	0	0	0	0	0	40
37.	SHAHNOL	61	3	0	0	0	1	65
38.	SHAJAPUR	3091	1	2	0	6	7	3107
39.	SHIVPURI	234	0	0	0	3	0	237
40.	SIDHI	330	1	0	0	3	0	334
41.	SURGUJA	18	0	0	0	0	0	18
42.	TIKAMGARH	876	8	0	0	13	0	897
43.	UJJAIN	16931	46	21	5	22	67	17092
44.	VIDISHA	1925	643	4	0	0	2	2574

* State Total : 117830 2036 127 47 838 626 121504

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : MADHYA PRADESH

(in Nos.)

According to horse power of lifting devices

Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
1.	BALAGHAT	0	63	14	0	0	0	0	77
2.	BASTAR	0	9	20	0	0	0	4	33
3.	BETUL	93	171	246	23	37	0	2	572
4.	BHIND	0	0	445	1	0	0	19	465
5.	BHOPAL	6	444	2181	191	116	8	6	2952
6.	BILASPUR	27	145	1233	104	47	8	276	1840
7.	CHHATARPUR	116	153	9	0	0	1	3	282
8.	CHHINDWARA	17	475	44	3	16	0	31	586
9.	DAMOH	34	933	1648	51	26	15	3	2710
10.	DEWAS	99	1797	4364	150	145	6	1	6562
11.	DHAR	237	1487	12904	67	17	28	56	14796
12.	DURG	89	2021	2845	300	91	45	138	5529
13.	GUNA	2	14	1341	209	332	39	3	1940
14.	GWALIOR	4	117	362	122	56	1	0	662
15.	HOSHANGABAD	2	108	963	781	637	38	0	2529
16.	INDORE	40	336	16986	86	32	46	40	17566
17.	JABALPUR	4	60	612	356	215	14	0	1261
18.	JHABUA	0	3	72	1	2	0	0	78
19.	KHANDWA	0	8	24	10	20	0	0	62
20.	KHARGONE	30	35	408	229	121	3	3	829
21.	MANDLA	0	0	51	0	0	0	0	51
22.	MANDSAUR	3	172	139	70	14	1	3	402
23.	MORENA	0	0	1871	4	19	0	19	1913
24.	NARSIMHAPUR	5	297	3935	837	576	28	0	5678
25.	PANNA	0	19	69	3	55	0	0	146
26.	RAIGARH	4	219	998	277	192	33	4	1727
27.	RAIPUR	171	1584	1891	79	22	30	143	3920
28.	RAISEN	45	357	4587	166	344	50	16	5565
29.	RAJGARH	0	518	304	289	33	1	0	1145
30.	RAJNANDGAON	4	18	134	40	5	22	7	230
31.	RATLAM	7	330	3531	152	16	23	8	4067
32.	REWA	9	50	1051	31	23	4	2	1170

33.	SAGAR	1	407	939	81	107	19	0	1554
34.	SATNA	8	67	2370	110	34	8	0	2597
35.	SEHORE	30	1929	3590	46	25	21	3	5644
36.	SEONI	2	26	10	0	2	0	0	40
37.	SHAHDOL	9	6	36	3	5	6	0	65
38.	SHAJAPUR	11	1425	1640	16	5	4	6	3107
39.	SHIVPURI	0	11	134	53	35	1	3	237
40.	SIDHI	0	23	146	55	51	56	3	334
41.	SURGUJA	0	2	15	1	0	0	0	18
42.	TIKAMGARH	0	168	382	334	0	0	13	897
43.	UJJAIN	211	4931	11676	163	57	32	22	17092
44.	VIDISHA	6	366	1875	234	85	8	0	2574

* State Total :		1326	21304	88095	5728	3615	599	837	121504

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : MADHYA PRADESH

(in Nos.)

Sl. No.	Name of District	Location of Tubewell			According to Average Pumping Hours during peak season						
		On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12

1.	BALAGHAT	0	77	77	54	23	0	0	0	0	77
2.	BASTAR	0	33	33	23	3	1	0	6	0	33
3.	BETUL	2	570	572	143	335	91	3	0	0	572
4.	BHIND	0	465	465	465	0	0	0	0	0	465
5.	BHOPAL	44	2908	2952	15	1239	1005	211	472	10	2952
6.	BILASPUR	556	1284	1840	489	1058	183	15	23	72	1840
7.	CHHATARPUR	1	281	282	152	126	4	0	0	0	282
8.	CHHINDWARA	1	585	586	244	313	8	11	10	0	586
9.	DAMOH	11	2699	2710	86	1789	662	94	79	0	2710
10.	DEWAS	174	6388	6562	94	4611	1349	454	54	0	6562
11.	DHAR	39	14757	14796	293	9867	3818	816	2	0	14796
12.	DURG	699	4830	5529	326	1320	1669	1502	699	13	5529
13.	GUNA	0	1940	1940	730	1064	129	17	0	0	1940
14.	GWALIOR	0	662	662	148	400	54	60	0	0	662
15.	HOSHANGABAD	39	2490	2529	36	908	1355	141	88	1	2529
16.	INDORE	533	17033	17566	133	1481	5730	7294	2927	1	17566
17.	JABALPUR	36	1225	1261	39	223	281	643	75	0	1261
18.	JHABUA	0	78	78	2	71	5	0	0	0	78
19.	KHANDWA	0	62	62	0	23	16	6	17	0	62

20.	KHARGONE	8	821	829	28	511	265	20	5	0	829
21.	MANDLA	0	51	51	0	47	4	0	0	0	51
22.	MANDSAUR	9	393	402	17	191	145	36	13	0	402
23.	MORENA	0	1913	1913	1878	0	0	0	0	35	1913
24.	NARSIMHAPUR	11	5667	5678	400	944	1073	2815	446	0	5678
25.	PANNA	0	146	146	15	55	29	47	0	0	146
26.	RAIGARH	65	1662	1727	685	303	563	54	95	27	1727
27.	RAIPUR	954	2966	3920	559	1218	536	1086	389	132	3920
28.	RAISEN	49	5516	5565	184	3905	1267	135	74	0	5565
29.	RAJGARH	5	1140	1145	28	323	688	106	0	0	1145
30.	RAJNANDGAON	1	229	230	65	27	37	87	14	0	230
31.	RATLAM	22	4045	4067	49	424	1650	1727	215	2	4067
32.	REWA	4	1166	1170	14	559	288	114	195	0	1170
33.	SAGAR	0	1554	1554	70	523	485	460	12	4	1554
34.	SATNA	68	2529	2597	233	1399	771	138	56	0	2597
35.	SEHORE	85	5559	5644	254	3112	2039	170	69	0	5644
36.	SEONI	0	40	40	1	13	22	1	2	1	40
37.	SHAHDOL	0	65	65	8	26	8	8	10	5	65
38.	SHAJAPUR	47	3060	3107	164	1107	1159	677	0	0	3107
39.	SHIVPURI	0	237	237	94	113	14	0	16	0	237
40.	SIDHI	1	333	334	13	139	147	32	3	0	334
41.	SURGUJA	0	18	18	0	17	0	0	1	0	18
42.	TIKAMGARH	0	897	897	574	313	10	0	0	0	897
43.	UJJAIN	223	16869	17092	240	5180	8420	3252	0	0	17092
44.	VIDISHA	97	2477	2574	192	939	1000	410	33	0	2574

* State Total :		3784	117720	121504	9237	46242	36980	22642	6100	303	121504

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 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	77	0	17	8
2.	BASTAR	33	3	59	0
3.	BETUL	572	1	72	1
4.	BHIND	465	4	158	0
5.	BHOPAL	2952	1	24	44
6.	BILASPUR	1840	0	42	1

7.	CHHATARPUR	282	0	70	0
8.	CHHINDWARA	586	9	21	23
9.	DAMOH	2710	1	38	72
10.	DEWAS	6562	6	32	22
11.	DHAR	14796	16	47	59
12.	DURG	5529	5	43	1
13.	GUNA	1940	2	43	22
14.	GWALIOR	662	0	103	0
15.	HOSHANGABAD	2529	1	73	26
16.	INDORE	17566	1	80	44
17.	JABALPUR	1261	86	51	66
18.	JHABUA	78	0	64	6
19.	KHANDWA	62	1	53	253
20.	KHARGONE	829	3	27	62
21.	MANDLA	51	2	73	25
22.	MANDSAUR	402	9	34	62
23.	MORENA	1913	0	173	0
24.	NARSIMHAPUR	5678	10	16	213
25.	PANNA	146	9	119	17
26.	RAIGARH	1727	0	37	0
27.	RAIPUR	3920	6	42	5
28.	RAISEN	5565	3	15	171
29.	RAJGARH	1145	5	112	11
30.	RAJNANDGAON	230	10	52	9
31.	RATLAM	4067	0	31	34
32.	REWA	1170	0	274	8
33.	SAGAR	1554	4	22	75
34.	SATNA	2597	4	143	9
35.	SEHORE	5644	2	36	63
36.	SEONI	40	0	38	4
37.	SHAHDOL	65	0	150	9
38.	SHAJAPUR	3107	0	53	102
39.	SHIVPURI	237	3	70	28
40.	SIDHI	334	13	177	11
41.	SURGUJA	18	0	29	0
42.	TIKAMGARH	897	4	26	0
43.	UJJAIN	17092	1	23	47
44.	VIDISHA	2574	0	19	224

* State Average:		121504	7	65	51

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : MADHYA PRADESH (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.	BALAGHAT	292	312	56	1	0	369
2.	BASTAR	148	119	99	0	0	218
3.	BETUL	1902	207	4857	3	0	5067
4.	BHIND	3716	327	3837	0	0	4164
5.	BHOPAL	13123	9063	12222	80	133	21498
6.	BILASPUR	8389	7315	4242	32	11	11600
7.	CHHATARPUR	519	0	519	0	0	519
8.	CHHINDWARA	1016	248	939	0	0	1187
9.	DAMOH	8155	93	8157	3	0	8253
10.	DEWAS	24808	1765	23312	291	2	25370
11.	DHAR	57485	1824	56089	113	29	58055
12.	DURG	27892	27467	7504	398	4175	39544
13.	GUNA	12009	371	12548	0	0	12919
14.	GWALIOR	2536	934	2384	0	0	3318
15.	HOSHANGABAD	23341	118	23290	8	36	23452
16.	INDORE	75452	2477	74545	31	2	77055
17.	JABALPUR	9170	1110	8602	0	12	9724
18.	JHABUA	289	50	217	7	17	291
19.	KHANDWA	319	228	132	0	4	364
20.	KHARGONE	2813	1501	1059	488	0	3048
21.	MANDLA	155	22	133	0	0	155
22.	MANDSAUR	1374	156	1324	29	1	1510
23.	MORENA	12852	2296	14486	0	0	16782
24.	NARSIMHAPUR	33059	1970	33247	0	0	35217
25.	PANNA	605	0	605	0	0	605
26.	RAIGARH	8376	5861	4597	4	8	10470
27.	RAIPUR	15256	12643	12173	108	451	25375
28.	RAISEN	32487	2215	32275	475	0	34965
29.	RAJGARH	4709	1582	4615	37	19	6253
30.	RAJNANDGAON	1692	1250	591	104	0	1945
31.	RATLAM	13643	2070	12806	50	0	14926
32.	REWA	7047	4793	6890	214	0	11897
33.	SAGAR	5436	26	5863	0	45	5934
34.	SATNA	17540	17133	17319	12858	15	47325
35.	SEHORE	23010	1595	22899	82	7	24583
36.	SEONI	59	13	69	0	0	82
37.	SHAHNOL	730	580	526	0	0	1106
38.	SHAJAPUR	10928	390	10596	104	46	11136
39.	SHIVPURI	1095	867	1133	0	0	2000
40.	SIDHI	5461	30	5495	0	0	5525
41.	SURGUJA	42	8	34	0	0	42
42.	TIKAMGARH	2579	312	2588	0	0	2900
43.	UJJAIN	57220	3635	54601	47	93	58376
44.	VIDISHA	15788	61	19770	4	0	19835

* State Total : 544517 115037 509245 15571 5106 644959

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : MADHYA 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.	BALAGHAT	285	55	1	0	341
2.	BASTAR	36	72	0	0	108
3.	BETUL	156	1524	20	0	1700
4.	BHIND	9	2939	0	0	2948
5.	BHOPAL	3	10052	34	1	10090
6.	BILASPUR	4982	3583	21	8	8594
7.	CHHATARPUR	0	455	0	0	455
8.	CHHINDWARA	151	849	0	0	1000
9.	DAMOH	85	7988	1	0	8074
10.	DEWAS	746	22445	149	16	23356
11.	DHAR	822	48290	126	5	49243
12.	DURG	13883	6169	318	3661	24031
13.	GUNA	151	11515	0	0	11666
14.	GWALIOR	409	1878	0	0	2287
15.	HOSHANGABAD	30	21885	20	40	21975
16.	INDORE	242	71514	19	2	71777
17.	JABALPUR	273	7506	0	12	7791
18.	JHABUA	14	160	6	8	188
19.	KHANDWA	77	124	23	7	231
20.	KHARGONE	1115	741	429	0	2285
21.	MANDLA	21	103	0	0	124
22.	MANDSAUR	53	1105	25	1	1184
23.	MORENA	914	12488	0	0	13402
24.	NARSIMHAPUR	565	29498	371	0	30434
25.	PANNA	0	596	0	0	596
26.	RAIGARH	3520	4017	0	3	7540
27.	RAIPUR	7826	11083	102	449	19460
28.	RAISEN	3	28745	5	0	28753
29.	RAJGARH	91	4165	27	14	4297
30.	RAJNANDGAON	800	509	95	0	1404
31.	RATLAM	367	11793	51	0	12211

32.	REWA	67	6032	0	1	6100
33.	SAGAR	7	4007	0	0	4014
34.	SATNA	14	13173	2	1	13190
35.	SEHORE	781	20186	82	1	21050
36.	SEONI	9	56	0	0	65
37.	SHAHNOL	0	383	0	0	383
38.	SHAJAPUR	79	9425	110	8	9622
39.	SHIVPURI	42	961	0	0	1003
40.	SIDHI	5	4325	0	0	4330
41.	SURGUJA	1	34	0	0	35
42.	TIKAMGARH	150	2205	0	0	2355
43.	UJJAIN	480	52895	70	39	53484
44.	VIDISHA	6	14361	3	0	14370

* State Total :		39270	451889	2110	4277	497546

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 Irrigation through supplementary sources

State : MADHYA PRADESH

(in Ha.)

Supplementary Irrigation in 1993-94						
Sl. No.	Name of District	Kharif	Rabi	Perennial	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	1	19	0	0	20
4.	BHIND	0	0	0	0	0
5.	BHOPAL	0	0	0	0	0
6.	BILASPUR	1571	667	5	3	2246
7.	CHHATARPUR	0	0	0	0	0
8.	CHHINDWARA	0	0	0	0	0
9.	DAMOH	0	61	0	0	61
10.	DEWAS	7	109	0	0	116
11.	DHAR	0	88	45	0	133
12.	DURG	1093	96	1	5	1195
13.	GUNA	0	101	0	0	101
14.	GWALIOR	242	363	0	0	605
15.	HOSHANGABAD	0	111	0	0	111
16.	INDORE	0	42	0	0	42
17.	JABALPUR	0	0	0	0	0
18.	JHABUA	0	0	0	0	0
19.	KHANDWA	0	0	0	0	0

20.	KHARGONE	0	0	0	0	0
21.	MANDLA	0	0	0	0	0
22.	MANDSAUR	0	0	0	3	3
23.	MORENA	0	0	0	0	0
24.	NARSIMHAPUR	0	333	0	0	333
25.	PANNA	0	116	0	0	116
26.	RAIGARH	15	2	0	0	17
27.	RAIPUR	1806	409	12	4	2231
28.	RAISEN	0	0	0	0	0
29.	RAJGARH	0	0	0	0	0
30.	RAJNANDGAON	0	0	0	0	0
31.	RATLAM	5	2	0	0	7
32.	REWA	0	0	0	0	0
33.	SAGAR	0	24	0	0	24
34.	SATNA	0	0	0	0	0
35.	SEHORE	0	10	0	0	10
36.	SEONI	0	0	0	0	0
37.	SHAHDOL	0	0	0	0	0
38.	SHAJAPUR	0	0	0	0	0
39.	SHIVPURI	0	0	0	0	0
40.	SIDHI	0	0	0	0	0
41.	SURGUJA	5	0	0	0	5
42.	TIKAMGARH	0	0	0	0	0
43.	UJJAIN	0	224	0	4	228
44.	VIDISHA	0	6	0	0	6

* State Total :		4745	2783	63	19	7610

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : MADHYA PRADESH

(in Nos.)

Sl. No.	Name of District	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	
1	2	3	4	5	6	7	8	9
								10
1.	BALAGHAT	77	62	0	0	3	12	15
2.	BASTAR	31	4	0	0	0	27	31
3.	BETUL	567	0	0	0	514	53	567
4.	BHIND	459	0	0	0	0	459	459
5.	BHOPAL	2949	0	6	1	263	2679	2949
6.	BILASPUR	1783	207	292	4	91	1189	1783

7.	CHHATARPUR	280	1	0	0	272	7	279	280
8.	CHHINDWARA	586	387	0	0	99	100	199	586
9.	DAMOH	2692	0	204	3	370	2115	2692	2692
10.	DEWAS	6435	4931	116	0	426	962	1504	6435
11.	DHAR	14223	1611	307	72	11627	606	12612	14223
12.	DURG	5247	126	48	20	1977	3076	5121	5247
13.	GUNA	1940	0	1	0	0	1939	1940	1940
14.	GWALIOR	662	0	2	1	105	554	662	662
15.	HOSHANGABAD	2499	0	0	1	1	2497	2499	2499
16.	INDORE	17323	14047	73	5	1831	1367	3276	17323
17.	JABALPUR	1259	537	4	7	9	702	722	1259
18.	JHABUA	75	32	0	0	14	29	43	75
19.	KHANDWA	54	4	0	0	29	21	50	54
20.	KHARGONE	772	336	2	0	397	37	436	772
21.	MANDLA	51	21	0	0	4	26	30	51
22.	MANDSAUR	397	210	11	3	106	67	187	397
23.	MORENA	1913	0	0	0	0	1913	1913	1913
24.	NARSIMHAPUR	5501	3213	183	171	89	1845	2288	5501
25.	PANNA	145	0	1	4	57	83	145	145
26.	RAIGARH	1701	297	163	68	275	898	1404	1701
27.	RAIPUR	3801	2165	53	29	156	1398	1636	3801
28.	RAISEN	5544	0	17	5	119	5403	5544	5544
29.	RAJGARH	1141	0	28	7	962	144	1141	1141
30.	RAJNANDGAON	213	8	6	0	12	187	205	213
31.	RATLAM	3985	2284	5	2	1026	668	1701	3985
32.	REWA	1160	185	38	0	196	741	975	1160
33.	SAGAR	1554	0	4	0	625	925	1554	1554
34.	SATNA	2584	28	20	1	13	2522	2556	2584
35.	SEHORE	5617	0	88	21	995	4513	5617	5617
36.	SEONI	40	29	4	0	6	1	11	40
37.	SHAHNOL	64	0	0	0	0	64	64	64
38.	SHAJAPUR	3051	2079	11	7	515	439	972	3051
39.	SHIVPURI	237	0	0	0	0	237	237	237
40.	SIDHI	329	99	6	0	48	176	230	329
41.	SURGUJA	18	9	0	0	0	9	9	18
42.	TIKAMGARH	892	0	2	0	151	739	892	892
43.	UJJAIN	16838	13196	80	1	1477	2084	3642	16838
44.	VIDISHA	2554	0	6	0	44	2504	2554	2554

* State Total :	119243	46108	1781	433	24904	46017	73135	119243
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* Data in respect of the remaining 1 District is NIL.

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : MANIPUR

(in Nos.)

Construction of 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.	BISHNUPUR	0	0	2	0	0	1	0	0	3
2.	CHURACHANDPUR	0	0	0	0	0	2	0	0	2
3.	IMPHAL	0	0	0	1	0	1	4	3	9
4.	SENAPATI	0	0	0	0	2	1	0	0	3
5.	THOUBAL	0	0	5	4	1	2	5	2	19
* State Total :		0	0	7	5	3	7	9	5	36

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 Distribution according to ownership

State : MANIPUR

(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.	BISHNUPUR	3	0	0	0	0	0	3
2.	CHURACHANDPUR	2	0	0	0	0	0	2
3.	IMPHAL	9	0	0	0	0	0	9
4.	SENAPATI	3	0	0	0	0	0	3
5.	THOUBAL	19	0	0	0	0	0	19
* State Total :		36	0	0	0	0	0	36

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell according to the holding size

State : MANIPUR

(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.	BISHNUPUR	0	0	0	0	0
2.	CHURACHANDPUR	0	0	0	0	0
3.	IMPHAL	0	0	0	0	0
4.	SENAPATI	0	0	0	0	0
5.	THOUBAL	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)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell according to social status

State : MANIPUR

(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.	BISHNUPUR	0	0	0	0	3	3
2.	CHURACHANDPUR	0	0	0	0	2	2
3.	IMPHAL	0	0	0	0	9	9
4.	SENAPATI	0	0	0	0	3	3
5.	THOUBAL	0	0	0	0	19	19
* State Total :		0	0	0	0	36	36

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : MANIPUR

(in Nos.)

Type of Tubewells

Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7
1.	BISHNUPUR	3	0	0	0	3
2.	CHURACHANDPUR	2	0	0	0	2
3.	IMPHAL	9	0	0	0	9
4.	SENAPATI	3	0	0	0	3
5.	THOUBAL	19	0	0	0	19
* State Total :		36	0	0	0	36

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : MANIPUR

(in Nos.)

Sl. No.	Name of District	T'Wells In Use	Temporary	Abandoned (Salinity)	Dried up	Destroyed	Others	Total (4 to 8)	Grand Total (3 + 9)
1	2	3	4	5	6	7	8	9	10
1.	BISHNUPUR	3	0	0	0	0	0	0	3
2.	CHURACHANDPUR	2	0	0	0	0	0	0	2
3.	IMPHAL	9	0	0	0	0	0	0	9
4.	SENAPATI	3	0	0	0	0	0	0	3
5.	THOUBAL	19	0	0	0	0	0	0	19
* State Total :		36	0	0	0	0	0	0	36

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : MANIPUR

(in Nos.)

		Source of Finance for constructing Tubewell					
Sl.	Name of District	Govt.	Farmers	Loan &	Subsidy &	Subsidy	Others
							Total

No.		Fund	Saving	Saving	Bank loan	Only	(3 to 8)	
1	2	3	4	5	6	7	8	9
1.	BISHNUPUR	0	0	0	0	0	0	0
2.	CHURACHANDPUR	0	0	0	0	0	0	0
3.	IMPHAL	0	0	0	0	0	0	0
4.	SENAPATI	0	0	0	0	0	0	0
5.	THOUBAL	0	0	0	0	0	0	0
* State Total :		0	0	0	0	0	0	0

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : MANIPUR

(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.	BISHNUPUR	0	0	3	0	0	3
2.	CHURACHANDPUR	0	0	2	0	0	2
3.	IMPHAL	0	0	9	0	0	9
4.	SENAPATI	0	0	3	0	0	3
5.	THOUBAL	0	0	19	0	0	19
* State Total :		0	0	36	0	0	36

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : MANIPUR

(in Nos.)

According to Water Lifting Devices for Tubewell								
Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)

1	2	3	4	5	6	7	8	9
1. BISHNUPUR		0	2	0	0	0	1	3
2. CHURACHANDPUR		0	1	0	0	0	1	2
3. IMPHAL		0	4	0	0	0	5	9
4. SENAPATI		0	3	0	0	0	0	3
5. THOUBAL		0	13	0	0	0	6	19
* State Total :		0	23	0	0	0	13	36

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : MANIPUR (in Nos.)

		According to horse power of lifting devices							
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
1.	BISHNUPUR	3	0	0	0	0	0	0	3
2.	CHURACHANDPUR	2	0	0	0	0	0	0	2
3.	IMPHAL	9	0	0	0	0	0	0	9
4.	SENAPATI	3	0	0	0	0	0	0	3
5.	THOUBAL	19	0	0	0	0	0	0	19
* State Total :		36	0	0	0	0	0	0	36

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : MANIPUR (in Nos.)M

		Location of Tubewell			According to Average Pumping Hours during peak season						
Sl.	Name of District	On the	Outside	Total	0-4 hrs	4-8 hrs	8-12 hrs	12-16	16-20	20-24	Total

No.	Maj/Med	Command	(3 + 4)					hrs	hrs	hrs	(6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	BISHNUPUR	0	3	3	0	3	0	0	0	0	3
2.	CHURACHANDPUR	0	2	2	0	2	0	0	0	0	2
3.	IMPHAL	0	9	9	0	9	0	0	0	0	9
4.	SENAPATI	0	3	3	0	3	0	0	0	0	3
5.	THOUBAL	0	19	19	0	19	0	0	0	0	19
* State Total :		0	36	36	0	36	0	0	0	0	36

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 Average length of Water Conveyance Channel

State : MANIPUR		(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.	BISHNUPUR	3	2	20	0
2.	CHURACHANDPUR	2	2	15	0
3.	IMPHAL	9	2	19	0
4.	SENAPATI	3	2	19	0
5.	THOUBAL	19	2	20	0
* State Average:		36	2	18	0

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : MANIPUR		(in Ha.)				
Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created			
			Kharif	Rabi	Perenial	Others

1	2	3	4	5	6	7	8
1.	BISHNUPUR	33	0	33	0	0	33
2.	CHURACHANDPUR	7	0	7	0	0	7
3.	IMPHAL	93	0	93	0	0	93
4.	SENAPATI	4	0	4	0	0	4
5.	THOUBAL	171	0	171	0	0	171
* State Total :		308	0	308	0	0	308

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : MANIPUR

(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.	BISHNUPUR	0	29	0	0	29
2.	CHURACHANDPUR	0	7	0	0	7
3.	IMPHAL	0	55	0	0	55
4.	SENAPATI	0	3	0	0	3
5.	THOUBAL	0	101	0	0	101
* State Total :		0	195	0	0	195

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 Irrigation through supplimentary sources

State : MANIPUR

(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.	BISHNUPUR	0	0	0	0	0

2.	CHURACHANDPUR	0	0	0	0	0
3.	IMPHAL	0	0	0	0	0
4.	SENAPATI	0	0	0	0	0
5.	THOUBAL	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)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : MANIPUR

(in Nos.)

Sl. No.	Name of District	No. of T'wells in use	No. of T'wells with no cons'nts	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.	BISHNUPUR	3	0	0	0	0	3	3	3
2.	CHURACHANDPUR	2	0	0	0	0	2	2	2
3.	IMPHAL	9	0	0	0	0	9	9	9
4.	SENAPATI	3	0	0	0	0	3	3	3
5.	THOUBAL	19	0	0	0	0	19	19	19
-----		-----							
* State Total :		36	0	0	0	0	36	36	36
-----		-----							

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : MEGHALAYA

(in Nos.)

Sl. No.	Name of District	Construction of 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.	WEST GARO HILLS	107	0	0	0	0	0	0	2	109

2. WEST KHASI HILLS	0	0	0	0	0	0	0	1	1
* State Total :	107	0	0	0	0	0	0	3	110

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 Distribution according to ownership

State : MEGHALAYA

(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.	WEST GARO HILLS	0	0	0	2	107	0	109
2.	WEST KHASI HILLS	1	0	0	0	0	0	1
* State Total :		1	0	0	2	107	0	110

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell according to the holding size

State : MEGHALAYA

(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.	WEST GARO HILLS	10	39	42	18	109
2.	WEST KHASI HILLS	0	0	0	0	0
* State Total :		10	39	42	18	109

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

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

State : MEGHALAYA (in Nos.)

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

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

State : MEGHALAYA (in Nos.)

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

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

State : MEGHALAYA (in Nos.)

Sl. No.	Name of District	T'Wells In Use	Tubewells Not in Use					Total (4 to 8)	Grand Total (3 + 9)
			Temporary	Abandoned (Salinity)	Dried up	Destroyed	Others		
1	2	3	4	5	6	7	8	9	10
1.	WEST GARO HILLS	109	0	0	0	0	0	0	109
2.	WEST KHASI HILLS	1	0	0	0	0	0	0	1
* State Total :		110	0	0	0	0	0	0	110

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : MEGHALAYA

(in Nos.)

Sl. No.	Name of District	Source of Finance for constructing Tubewell						Total (3 to 8)
		Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	
1	2	3	4	5	6	7	8	9
1.	WEST GARO HILLS	1	108	0	0	0	0	109
2.	WEST KHASI HILLS	0	0	0	0	0	0	0
* State Total :		1	108	0	0	0	0	109

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : MEGHALAYA

(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.	WEST GARO HILLS	0	0	109	0	0	109

2. WEST KHASI HILLS	0	0	1	0	0	1
* State Total :	0	0	110	0	0	110

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : MEGHALAYA

(in Nos.)

According to Water Lifting Devices for Tubewell								
Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	WEST GARO HILLS	0	80	0	0	0	29	109
2.	WEST KHASI HILLS	0	0	0	0	1	0	1
	* State Total :	0	80	0	0	1	29	110

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : MEGHALAYA

(in Nos.)

According to horse power of lifting devices									
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
1.	WEST GARO HILLS	0	0	0	0	109	0	0	109
2.	WEST KHASI HILLS	0	0	0	0	0	0	1	1
	* State Total :	0	0	0	0	109	0	1	110

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : MEGHALAYA		(in Nos.)									
		Location of Tubewell			According to Average Pumping Hours during peak season						
Sl. No.	Name of District	On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	WEST GARO HILLS	97	12	109	44	65	0	0	0	0	109
2.	WEST KHASI HILLS	0	1	1	1	0	0	0	0	0	1
* State Total :		97	13	110	45	65	0	0	0	0	110

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 Average length of Water Conveyance Channel

State : MEGHALAYA		(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.	WEST GARO HILLS	109	0	425	0
2.	WEST KHASI HILLS	1	0	100	0
* State Average:		110	0	262	0

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : MEGHALAYA		(in Ha.)
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Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				Total
			Kharif	Rabi	Perenial	Others	
1	2	3	4	5	6	7	8
1.	WEST GARO HILLS	280	148	226	5	0	379
2.	WEST KHASI HILLS	5	5	0	0	0	5
* State Total :		285	153	226	5	0	384

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : MEGHALAYA

(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.	WEST GARO HILLS	54	16	4	0	74
2.	WEST KHASI HILLS	5	0	0	0	5
* State Total :		59	16	4	0	79

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 Irrigation through supplementary sources

State : MEGHALAYA

(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.	WEST GARO HILLS	5	0	4	0	9
2.	WEST KHASI HILLS	0	0	0	0	0

* State Total : 5 0 4 0 9

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : MEGHALAYA

(in Nos.)

Sl. No.	Name of District	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.	WEST GARO HILLS	109	0	98	1	1	9	109	109
2.	WEST KHASI HILLS	1	0	0	0	0	1	1	1
* State Total :		110	0	98	1	1	10	110	110

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : NAGALAND

(in Nos.)

Sl. No.	Name of District	Construction of 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.	KOHIMA	2	0	0	0	0	0	0	4	6
* State Total :		2	0	0	0	0	0	0	4	6

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 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	6	0	6
* State Total :		0	0	0	0	6	0	6
* Data in respect of the remaining 6 Districts are NIL.								

MINOR IRRIGATION CENSUS(1993-94)**SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2****Table 2.3 Distribution of Tubewell 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	1	1	4	0	6
* State Total :		1	1	4	0	6
* Data in respect of the remaining 6 Districts are NIL.						

MINOR IRRIGATION CENSUS(1993-94)**SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2****Table 2.4 Distribution of Tubewell according to social status**

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

1	2	3	4	5	6	7	8
1.	KOHIMA	0	6	0	6	0	6
* State Total :		0	6	0	6	0	6

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

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.5 Distribution of Tubewell by its type

State : NAGALAND		(in Nos.)				
		Type of Tubewells				
Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7
1.	KOHIMA	6	0	0	0	6
* State Total :		6	0	0	0	6

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

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.6 Distribution of Tubewell by its status

State : NAGALAND		(in Nos.)							
		T'Wells In Use	Tubewells Not in Use				Others	Total (4 to 8)	Grand Total (3 + 9)
Sl. No.	Name of District		Temporary	Abandoned (Salinity)	Dried up	Destroyed			
1	2	3	4	5	6	7	8	9	10
1.	KOHIMA	6	0	0	0	0	0	0	6
* State Total :		6	0	0	0	0	0	0	6

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : NAGALAND		(in Nos.)						

		Source of Finance for constructing Tubewell						

Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	Total (3 to 8)

1	2	3	4	5	6	7	8	9

1.	KOHIMA	0	0	0	0	6	0	6

* State Total :		0	0	0	0	6	0	6

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell 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	6	6

* State Total :		0	0	0	0	6	6

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : NAGALAND		(in Nos.)						

According to Water Lifting Devices for Tubewell								
Sl.	Name of District	Electric	Diesel	Wind	Solar	Man/Ani.	Others	Total

No.		Pumps	Pumps	Mills	Pumps	operated	(3 to 8)	
1	2	3	4	5	6	7	8	9
	1. KOHIMA	2	4	0	0	0	0	6
	* State Total :	2	4	0	0	0	0	6

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : NAGALAND

(in Nos.)

		According to horse power of lifting devices							
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
	1. KOHIMA	0	1	5	0	0	0	0	6
	* State Total :	0	1	5	0	0	0	0	6

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : NAGALAND

(in Nos.)

		Location of Tubewell			According to Average Pumping Hours during peak season						
Sl. No.	Name of District	On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
	1. KOHIMA	0	6	6	0	6	0	0	0	0	6
	* State Total :	0	6	6	0	6	0	0	0	0	6

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 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	6	20	2	0
* State Average:		6	20	2	0

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 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	22	13	13	0	0	26
* State Total :		22	13	13	0	0	26

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : NAGALAND		(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.	KOHIMA	9	6	0	0	15
	* State Total :	9	6	0	0	15

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 Irrigation through supplementary sources

State : NAGALAND		(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.	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)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : NAGALAND		(in Nos.)							
Sl. No.	Name of District	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.	KOHIMA	6	0	0	0	0	6	6	6
* State Total :		6	0	0	0	0	6	6	6

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : ORISSA

(in Nos.)

Construction of 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.	ANGUL	1	0	0	0	0	0	1	0	2
2.	BALASORE	1702	478	468	888	1241	785	690	637	6889
3.	BARAGARH	15	6	6	19	40	36	40	28	190
4.	BHADRAK	243	64	188	138	189	153	131	150	1256
5.	BOLANGIR	1	0	0	0	0	8	7	1	17
6.	CUTTACK	688	51	74	138	187	163	187	225	1713
7.	GAJAPATI	10	30	35	3	0	7	1	1	87
8.	GANJAM	677	34	46	39	30	51	13	9	899
9.	JAGATSINGHPUR	953	18	31	57	111	110	116	180	1576
10.	JAJPUR	497	62	56	125	241	140	135	69	1325
11.	JHARSUGUDA	8	0	0	1	0	0	0	0	9
12.	KALAHANDI	1	0	0	0	1	2	4	2	10
13.	KENDRAPARA	299	12	12	20	42	44	71	85	585
14.	KEONJHAR	50	7	4	8	14	11	10	18	122
15.	KHURDA	192	12	16	16	23	22	37	37	355
16.	KORAPUT	0	0	1	0	0	0	1	0	2
17.	MAYURBHANJ	128	9	7	9	26	15	34	29	257
18.	NAYAGARH	120	31	36	16	20	3	5	16	247
19.	NUAPADA	1	0	0	1	1	0	0	1	4
20.	PURI	508	129	159	204	282	294	299	349	2224
21.	RAYAGADA	265	18	15	6	9	2	1	3	319
22.	SAMBALPUR	0	0	0	0	0	0	0	2	2
23.	SONEPUR	1	0	0	0	0	0	1	0	2
24.	SUNDARGARH	2	0	0	0	0	0	1	0	3
* State Total :		6362	961	1154	1688	2457	1846	1785	1842	18095

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 Distribution according to ownership

State : ORISSA

(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.	ANGUL	0	0	0	0	2	0	2
2.	BALASORE	3	1	0	24	6861	0	6889
3.	BARAGARH	2	1	0	0	187	0	190
4.	BHADRAK	9	0	0	43	1204	0	1256
5.	BOLANGIR	1	0	0	0	16	0	17
6.	CUTTACK	60	1	0	9	1643	0	1713
7.	GAJAPATI	2	0	0	0	85	0	87
8.	GANJAM	397	4	6	8	469	15	899
9.	JAGATSINGHPUR	214	1	4	13	1344	0	1576
10.	JAJPUR	269	1	0	5	1050	0	1325
11.	JHARSUGUDA	0	0	0	0	9	0	9
12.	KALAHANDI	0	0	0	0	10	0	10
13.	KENDRAPARA	86	1	0	1	497	0	585
14.	KEONJHAR	91	2	1	1	27	0	122
15.	KHURDA	15	0	0	4	336	0	355
16.	KORAPUT	1	0	0	0	1	0	2
17.	MAYURBHANJ	111	0	0	4	142	0	257
18.	NAYAGARH	29	1	0	0	217	0	247
19.	NUAPADA	1	0	0	0	3	0	4
20.	PURI	22	1	1	18	2182	0	2224
21.	RAYAGADA	270	1	0	1	47	0	319
22.	SAMBALPUR	0	0	0	0	2	0	2
23.	SONEPUR	0	0	0	0	2	0	2
24.	SUNDARGARH	0	0	0	0	3	0	3
* State Total :		1583	15	12	131	16339	15	18095

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell 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)
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1	2	3	4	5	6	7
1.	ANGUL	0	0	2	0	2
2.	BALASORE	2130	2669	2016	70	6885
3.	BARAGARH	0	20	125	42	187
4.	BHADRAK	239	478	488	42	1247
5.	BOLANGIR	0	0	12	4	16
6.	CUTTACK	501	635	470	46	1652
7.	GAJAPATI	5	47	32	1	85
8.	GANJAM	76	191	167	43	477
9.	JAGATSINGHPUR	389	541	404	23	1357
10.	JAJPUR	269	429	347	10	1055
11.	JHARSUGUDA	0	4	5	0	9
12.	KALAHANDI	0	2	7	1	10
13.	KENDRAPARA	93	236	156	13	498
14.	KEONJHAR	5	13	9	1	28
15.	KHURDA	79	152	102	7	340
16.	KORAPUT	0	0	1	0	1
17.	MAYURBHANJ	16	64	62	4	146
18.	NAYAGARH	73	76	64	4	217
19.	NUAPADA	0	0	2	1	3
20.	PURI	545	954	638	63	2200
21.	RAYAGADA	3	10	21	14	48
22.	SAMBALPUR	0	0	2	0	2
23.	SONEPUR	0	0	1	1	2
24.	SUNDARGARH	2	0	1	0	3
* State Total :		4425	6521	5134	390	16470

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell 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
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	ANGUL	0	0	2	2	0	2
2.	BALASORE	1226	172	5487	6885	4	6889
3.	BARAGARH	6	8	173	187	3	190
4.	BHADRAK	231	18	998	1247	9	1256

5.	BOLANGIR	0	0	16	16	1	17
6.	CUTTACK	392	2	1258	1652	61	1713
7.	GAJAPATI	3	0	82	85	2	87
8.	GANJAM	61	2	414	477	422	899
9.	JAGATSINGHPUR	336	4	1017	1357	219	1576
10.	JAJPUR	342	3	710	1055	270	1325
11.	JHARSUGUDA	0	4	5	9	0	9
12.	KALAHANDI	0	1	9	10	0	10
13.	KENDRAPARA	120	7	371	498	87	585
14.	KEONJHAR	10	4	14	28	94	122
15.	KHURDA	61	8	271	340	15	355
16.	KORAPUT	0	0	1	1	1	2
17.	MAYURBHANJ	5	15	126	146	111	257
18.	NAYAGARH	11	1	205	217	30	247
19.	NUAPADA	0	0	3	3	1	4
20.	PURI	332	32	1836	2200	24	2224
21.	RAYAGADA	3	2	43	48	271	319
22.	SAMBALPUR	0	0	2	2	0	2
23.	SONEPUR	0	0	2	2	0	2
24.	SUNDARGARH	0	0	3	3	0	3

* State Total : 3139 283 13048 16470 1625 18095

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : ORISSA		(in Nos.)				
		Type of Tubewells				
Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7
1.	ANGUL	2	0	0	0	2
2.	BALASORE	5883	600	402	4	6889
3.	BARAGARH	179	0	7	4	190
4.	BHADRAK	1084	156	16	0	1256
5.	BOLANGIR	16	0	1	0	17
6.	CUTTACK	1271	439	2	1	1713
7.	GAJAPATI	84	3	0	0	87
8.	GANJAM	783	9	100	7	899
9.	JAGATSINGHPUR	1518	55	0	3	1576
10.	JAJPUR	1317	6	0	2	1325
11.	JHARSUGUDA	9	0	0	0	9

12.	KALAHANDI	9	1	0	0	10
13.	KENDRAPARA	541	44	0	0	585
14.	KEONJHAR	117	3	2	0	122
15.	KHURDA	335	15	0	5	355
16.	KORAPUT	1	0	1	0	2
17.	MAYURBHANJ	242	9	2	4	257
18.	NAYAGARH	235	10	2	0	247
19.	NUAPADA	4	0	0	0	4
20.	PURI	1954	257	5	8	2224
21.	RAYAGADA	303	8	8	0	319
22.	SAMBALPUR	2	0	0	0	2
23.	SONEPUR	2	0	0	0	2
24.	SUNDARGARH	3	0	0	0	3

* State Total :		15894	1615	548	38	18095

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : ORISSA

(in Nos.)

Sl. No.	Name of District	T'Wells	Tubewells Not in Use					Total (4 to 8)	Grand Total (3 + 9)
		In Use	Temporary	Abandoned (Salinity)	Dried up	Destroyed	Others		
1	2	3	4	5	6	7	8	9	10
1.	ANGUL	2	0	0	0	0	0	0	2
2.	BALASORE	6088	584	36	77	39	65	801	6889
3.	BARAGARH	185	3	0	1	0	1	5	190
4.	BHADRAK	1012	203	10	4	14	13	244	1256
5.	BOLANGIR	17	0	0	0	0	0	0	17
6.	CUTTACK	1432	247	7	13	3	11	281	1713
7.	GAJAPATI	71	12	1	0	1	2	16	87
8.	GANJAM	736	107	6	12	33	5	163	899
9.	JAGATSINGHPUR	1183	261	44	13	40	35	393	1576
10.	JAJPUR	1024	211	32	10	21	27	301	1325
11.	JHARSUGUDA	9	0	0	0	0	0	0	9
12.	KALAHANDI	10	0	0	0	0	0	0	10
13.	KENDRAPARA	454	98	11	0	6	16	131	585
14.	KEONJHAR	89	33	0	0	0	0	33	122
15.	KHURDA	303	52	0	0	0	0	52	355
16.	KORAPUT	2	0	0	0	0	0	0	2
17.	MAYURBHANJ	210	18	4	2	9	14	47	257
18.	NAYAGARH	244	3	0	0	0	0	3	247
19.	NUAPADA	4	0	0	0	0	0	0	4

20.	PURI	1959	265	0	0	0	0	265	2224
21.	RAYAGADA	243	76	0	0	0	0	76	319
22.	SAMBALPUR	2	0	0	0	0	0	0	2
23.	SONEPUR	2	0	0	0	0	0	0	2
24.	SUNDARGARH	3	0	0	0	0	0	0	3
* State Total :		15284	2173	151	132	166	189	2811	18095

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : ORISSA

(in Nos.)

		Source of Finance for constructing Tubewell						Total (3 to 8)
Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	
1	2	3	4	5	6	7	8	9
1.	ANGUL	0	1	0	1	0	0	2
2.	BALASORE	218	3397	1462	1207	602	0	6886
3.	BARAGARH	62	62	43	14	7	0	188
4.	BHADRAK	149	384	378	294	39	3	1247
5.	BOLANGIR	5	9	2	0	0	0	16
6.	CUTTACK	39	318	475	674	147	0	1653
7.	GAJAPATI	9	4	64	8	0	0	85
8.	GANJAM	109	69	212	107	3	2	502
9.	JAGATSINGHPUR	142	267	450	428	75	0	1362
10.	JAJPUR	3	250	48	544	211	0	1056
11.	JHARSUGUDA	6	0	2	1	0	0	9
12.	KALAHANDI	5	3	1	1	0	0	10
13.	KENDRAPARA	212	26	177	60	24	0	499
14.	KEONJHAR	11	6	8	6	0	0	31
15.	KHURDA	54	41	97	128	19	1	340
16.	KORAPUT	0	0	1	0	0	0	1
17.	MAYURBHANJ	36	58	24	21	7	0	146
18.	NAYAGARH	72	31	112	2	1	0	218
19.	NUAPADA	1	0	1	0	1	0	3
20.	PURI	203	703	372	527	397	0	2202
21.	RAYAGADA	9	27	3	10	0	0	49
22.	SAMBALPUR	2	0	0	0	0	0	2
23.	SONEPUR	1	1	0	0	0	0	2
24.	SUNDARGARH	1	1	1	0	0	0	3
* State Total :		1349	5658	3933	4033	1533	6	16512

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : ORISSA

(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.	ANGUL	0	0	2	0	0	2
2.	BALASORE	5	10	6057	13	804	6889
3.	BARAGARH	1	1	131	57	0	190
4.	BHADRAK	1	3	1234	8	10	1256
5.	BOLANGIR	1	0	16	0	0	17
6.	CUTTACK	2	3	1657	31	20	1713
7.	GAJAPATI	2	1	84	0	0	87
8.	GANJAM	25	0	805	40	29	899
9.	JAGATSINGHPUR	20	0	1534	10	12	1576
10.	JAJPUR	2	2	1187	132	2	1325
11.	JHARSUGUDA	0	0	8	1	0	9
12.	KALAHANDI	2	1	6	0	1	10
13.	KENDRAPARA	3	0	508	7	67	585
14.	KEONJHAR	4	0	108	7	3	122
15.	KHURDA	0	0	342	6	7	355
16.	KORAPUT	0	0	1	1	0	2
17.	MAYURBHANJ	1	0	221	6	29	257
18.	NAYAGARH	0	0	236	9	2	247
19.	NUAPADA	0	0	2	0	2	4
20.	PURI	0	4	2130	23	67	2224
21.	RAYAGADA	0	3	313	3	0	319
22.	SAMBALPUR	0	0	2	0	0	2
23.	SONEPUR	0	0	2	0	0	2
24.	SUNDARGARH	0	0	2	1	0	3
* State Total :		69	28	16588	355	1055	18095

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : ORISSA

(in Nos.)

Sl. No.	Name of District	According to Water Lifting Devices for Tubewell						Total (3 to 8)
		Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	
1	2	3	4	5	6	7	8	9
1.	ANGUL	1	0	0	0	1	0	2
2.	BALASORE	1777	4727	11	2	362	10	6889
3.	BARAGARH	182	3	0	1	4	0	190
4.	BHADRAK	687	493	0	1	64	11	1256
5.	BOLANGIR	17	0	0	0	0	0	17
6.	CUTTACK	872	733	3	0	99	6	1713
7.	GAJAPATI	85	1	0	0	1	0	87
8.	GANJAM	880	7	3	0	2	7	899
9.	JAGATSINGHPUR	1229	327	3	1	15	1	1576
10.	JAJPUR	991	323	0	0	11	0	1325
11.	JHARSUGUDA	0	0	0	0	9	0	9
12.	KALAHANDI	3	2	0	0	5	0	10
13.	KENDRAPARA	430	133	0	0	17	5	585
14.	KEONJHAR	100	10	0	0	12	0	122
15.	KHURDA	247	100	1	0	7	0	355
16.	KORAPUT	2	0	0	0	0	0	2
17.	MAYURBHANJ	160	87	2	0	8	0	257
18.	NAYAGARH	173	25	2	0	47	0	247
19.	NUAPADA	3	0	1	0	0	0	4
20.	PURI	1040	1052	6	5	121	0	2224
21.	RAYAGADA	279	11	0	1	28	0	319
22.	SAMBALPUR	2	0	0	0	0	0	2
23.	SONEPUR	1	1	0	0	0	0	2
24.	SUNDARGARH	3	0	0	0	0	0	3
* State Total :		9164	8035	32	11	813	40	18095

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : ORISSA

(in Nos.)

		According to horse power of lifting devices							
Sl.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above	Unspecified	Total

No.	10 hp hp = 0 (3 to 9)								
1	2	3	4	5	6	7	8	9	10
1. ANGUL		1	0	0	0	0	0	1	2
2. BALASORE		372	1106	4576	374	90	9	362	6889
3. BARAGARH		8	49	97	17	10	5	4	190
4. BHADRAK		96	375	664	10	42	5	64	1256
5. BOLANGIR		1	16	0	0	0	0	0	17
6. CUTTACK		303	604	653	27	23	4	99	1713
7. GAJAPATI		4	26	55	0	1	0	1	87
8. GANJAM		183	179	406	29	86	14	2	899
9. JAGATSINGHPUR		309	526	666	49	9	2	15	1576
10. JAJPUR		100	371	586	52	173	32	11	1325
11. JHARSUGUDA		0	0	0	0	0	0	9	9
12. KALAHANDI		0	2	3	0	0	0	5	10
13. KENDRAPARA		47	215	264	39	0	3	17	585
14. KEONJHAR		3	8	30	44	3	22	12	122
15. KHURDA		39	123	181	4	1	0	7	355
16. KORAPUT		0	1	1	0	0	0	0	2
17. MAYURBHANJ		6	11	188	35	8	1	8	257
18. NAYAGARH		23	127	46	4	0	0	47	247
19. NUAPADA		1	2	1	0	0	0	0	4
20. PURI		242	926	869	18	9	39	121	2224
21. RAYAGADA		0	4	203	49	23	12	28	319
22. SAMBALPUR		0	0	2	0	0	0	0	2
23. SONEPUR		0	2	0	0	0	0	0	2
24. SUNDARGARH		3	0	0	0	0	0	0	3
* State Total :		1741	4673	9491	751	478	148	813	18095

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : ORISSA		(in Nos.)									
		Location of Tubewell			According to Average Pumping Hours during peak season						
Sl. No.	Name of District	On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	ANGUL	0	2	2	1	1	0	0	0	0	2
2.	BALASORE	289	6600	6889	2550	2895	1197	185	62	0	6889
3.	BARAGARH	11	179	190	32	57	58	20	17	6	190

4.	BHADRAK	362	894	1256	508	622	117	4	5	0	1256
5.	BOLANGIR	0	17	17	10	4	3	0	0	0	17
6.	CUTTACK	588	1125	1713	896	752	63	2	0	0	1713
7.	GAJAPATI	0	87	87	10	42	12	20	0	3	87
8.	GANJAM	232	667	899	406	357	111	8	11	6	899
9.	JAGATSINGHPUR	503	1073	1576	956	588	30	2	0	0	1576
10.	JAJPUR	295	1030	1325	346	819	159	1	0	0	1325
11.	JHARSUGUDA	0	9	9	9	0	0	0	0	0	9
12.	KALAHANDI	1	9	10	8	2	0	0	0	0	10
13.	KENDRAPARA	163	422	585	335	236	13	1	0	0	585
14.	KEONJHAR	5	117	122	37	70	10	5	0	0	122
15.	KHURDA	51	304	355	126	205	20	2	1	1	355
16.	KORAPUT	0	2	2	2	0	0	0	0	0	2
17.	MAYURBHANJ	1	256	257	94	122	35	5	1	0	257
18.	NAYAGARH	45	202	247	66	116	62	3	0	0	247
19.	NUAPADA	0	4	4	2	2	0	0	0	0	4
20.	PURI	363	1861	2224	1223	835	143	19	3	1	2224
21.	RAYAGADA	1	318	319	58	119	12	130	0	0	319
22.	SAMBALPUR	0	2	2	2	0	0	0	0	0	2
23.	SONEPUR	1	1	2	1	1	0	0	0	0	2
24.	SUNDARGARH	0	3	3	3	0	0	0	0	0	3

* State Total :		2911	15184	18095	7681	7845	2045	407	100	17	18095

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 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.	ANGUL	2	0	103	0
2.	BALASORE	6889	1	69	0
3.	BARAGARH	190	1	176	10
4.	BHADRAK	1256	1	80	1
5.	BOLANGIR	17	6	24	0
6.	CUTTACK	1713	3	83	6
7.	GAJAPATI	87	7	28	4
8.	GANJAM	899	56	38	18
9.	JAGATSINGHPUR	1576	7	86	5
10.	JAJPUR	1325	35	50	62

11.	JHARSUGUDA	9	0	17	0
12.	KALAHANDI	10	0	34	23
13.	KENDRAPARA	585	15	99	16
14.	KEONJHAR	122	91	27	14
15.	KHURDA	355	4	159	2
16.	KORAPUT	2	1	1	52
17.	MAYURBHANJ	257	61	84	12
18.	NAYAGARH	247	7	71	11
19.	NUAPADA	4	1	35	0
20.	PURI	2224	2	55	1
21.	RAYAGADA	319	73	96	23
22.	SAMBALPUR	2	0	46	0
23.	SONEPUR	2	0	25	0
24.	SUNDARGARH	3	0	32	59

 * State Average: 18095 20 63 18

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 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.	ANGUL	2	1	1	1	0	3
2.	BALASORE	16616	6890	15662	46	114	22712
3.	BARAGARH	1140	933	388	160	48	1529
4.	BHADRAK	2866	1201	2477	75	42	3795
5.	BOLANGIR	112	75	40	16	4	135
6.	CUTTACK	8344	4877	3813	344	3791	12825
7.	GAJAPATI	1007	1007	285	0	0	1292
8.	GANJAM	11685	20846	17207	3181	4	41238
9.	JAGATSINGHPUR	5374	2322	3843	82	209	6456
10.	JAJPUR	8022	6339	8326	30	25	14720
11.	JHARSUGUDA	3	1	2	0	0	3
12.	KALAHANDI	43	31	18	6	4	59
13.	KENDRAPARA	1992	683	1436	23	153	2295
14.	KEONJHAR	1074	785	510	11	0	1306
15.	KHURDA	1349	569	1110	78	59	1816
16.	KORAPUT	15	5	3	10	0	18
17.	MAYURBHANJ	1586	1645	1271	60	0	2976
18.	NAYAGARH	715	351	268	329	10	958

19.	NUAPADA	22	20	5	0	0	25
20.	PURI	6388	994	8477	190	130	9791
21.	RAYAGADA	2687	3178	4072	2	32	7284
22.	SAMBALPUR	6	6	3	0	0	9
23.	SONEPUR	3	2	1	1	0	4
24.	SUNDARGARH	2	0	1	0	0	1

 * State Total : 71053 52761 69219 4645 4625 131250

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 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.	ANGUL	1	0	1	0	2
2.	BALASORE	1197	10266	40	5	11508
3.	BARAGARH	789	269	146	4	1208
4.	BHADRAK	384	1532	39	12	1967
5.	BOLANGIR	14	29	6	4	53
6.	CUTTACK	1350	1889	321	21	3581
7.	GAJAPATI	923	164	8	0	1095
8.	GANJAM	7347	4985	4911	9	17252
9.	JAGATSINGHPUR	443	1613	91	27	2174
10.	JAJPUR	776	2540	36	0	3352
11.	JHARSUGUDA	1	1	0	0	2
12.	KALAHANDI	19	14	6	0	39
13.	KENDRAPARA	317	549	10	2	878
14.	KEONJHAR	115	248	11	2	376
15.	KHURDA	139	516	78	29	762
16.	KORAPUT	5	3	10	0	18
17.	MAYURBHANJ	488	631	40	0	1159
18.	NAYAGARH	97	197	329	6	629
19.	NUAPADA	17	4	0	0	21
20.	PURI	646	3476	190	42	4354
21.	RAYAGADA	1941	1816	2	4	3763
22.	SAMBALPUR	3	3	0	0	6
23.	SONEPUR	1	1	1	0	3
24.	SUNDARGARH	0	1	0	0	1
* State Total :		17013	30747	6276	167	54203

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 Irrigation through supplementary sources

State : ORISSA

(in Ha.)

Sl. No.	Name of District	Supplementary Irrigation in 1993-94				Total
		Kharif	Rabi	Perennial	Others	
1	2	3	4	5	6	7
1.	ANGUL	0	0	0	0	0
2.	BALASORE	50	138	0	0	188
3.	BARAGARH	0	0	0	0	0
4.	BHADRAK	174	27	0	3	204
5.	BOLANGIR	0	0	0	0	0
6.	CUTTACK	612	479	88	0	1179
7.	GAJAPATI	0	0	0	0	0
8.	GANJAM	584	15	50	0	649
9.	JAGATSINGHPUR	591	66	14	0	671
10.	JAJPUR	432	72	7	0	511
11.	JHARSUGUDA	0	0	0	0	0
12.	KALAHANDI	0	0	6	0	6
13.	KENDRAPARA	72	235	0	1	308
14.	KEONJHAR	3	0	11	0	14
15.	KHURDA	5	24	78	0	107
16.	KORAPUT	0	0	10	0	10
17.	MAYURBHANJ	0	0	0	0	0
18.	NAYAGARH	0	5	329	0	334
19.	NUAPADA	0	0	0	0	0
20.	PURI	127	211	185	1	524
21.	RAYAGADA	0	0	2	0	2
22.	SAMBALPUR	0	0	0	0	0
23.	SONEPUR	0	0	0	0	0
24.	SUNDARGARH	0	0	0	0	0
* State Total :		2650	1272	780	5	4707

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

(in Nos.)

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

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

(in Nos.)

[illegible]

No.		1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	(3 to 10)
1	2	3	4	5	6	7	8	9	10	11
1.	KARAIKAL	207	19	8	2	7	4	1	2	250
2.	PONDICHERRY	2562	234	263	139	173	91	79	104	3645
* State Total :		2769	253	271	141	180	95	80	106	3895

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 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.	KARAIKAL	41	3	0	0	199	7	250
2.	PONDICHERRY	8	0	1	4	3627	5	3645
* State Total :		49	3	1	4	3826	12	3895

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell 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.	KARAIKAL	107	62	28	2	199
2.	PONDICHERRY	1749	1225	650	7	3631

* State Total : 1856 1287 678 9 3830

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell 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.	KARAIKAL	2	3	194	199	51	250
2.	PONDICHERRY	61	7	3563	3631	14	3645
* State Total :		63	10	3757	3830	65	3895

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : PONDICHERRY

(in Nos.)

Sl. No.	Name of District	Type of Tubewells				Total (3 to 6)
		Shallow	Filter	Borewell	Others	
1	2	3	4	5	6	7
1.	KARAIKAL	95	17	138	0	250
2.	PONDICHERRY	2566	21	1056	2	3645
* State Total :		2661	38	1194	2	3895

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : PONDICHERRY		(in Nos.)							
Sl. No.	Name of District	T'Wells In Use	Tubewells Not in Use					Total (4 to 8)	Grand Total (3 + 9)
			Temporary	Abandoned (Salinity)	Dried up	Destroyed	Others		
1	2	3	4	5	6	7	8	9	10
1.	KARAIKAL	243	6	0	1	0	0	7	250
2.	PONDICHERRY	3400	64	2	157	17	5	245	3645
* State Total :		3643	70	2	158	17	5	252	3895

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : PONDICHERRY		(in Nos.)						
Sl. No.	Name of District	Source of Finance for constructing Tubewell						Total (3 to 8)
		Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	
1	2	3	4	5	6	7	8	9
1.	KARAIKAL	94	110	5	0	0	0	209
2.	PONDICHERRY	8	3254	265	102	1	7	3637
* State Total :		102	3364	270	102	1	7	3846

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : PONDICHERRY		(in Nos.)					

According to Water Distribution System							

Sl.	Name of District	Sprinkler	Drip	Open	Under gr.	Others	Total

No.		Irri.	Channel	Channel	(3 to 7)		
1	2	3	4	5	6	7	8
1.	KARAIKAL	0	210	28	0	12	250
2.	PONDICHERRY	3	1279	2150	180	33	3645
* State Total :		3	1489	2178	180	45	3895

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : PONDICHERRY		(in Nos.)						
		According to Water Lifting Devices for Tubewell						
Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	KARAIKAL	204	46	0	0	0	0	250
2.	PONDICHERRY	3550	9	0	0	1	85	3645
* State Total :		3754	55	0	0	1	85	3895

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : PONDICHERRY		(in Nos.)							
		According to horse power of lifting devices							
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
1.	KARAIKAL	0	0	157	67	7	19	0	250

2. PONDICHERRY	1	0	791	1151	830	871	1	3645
* State Total :	1	0	948	1218	837	890	1	3895

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : PONDICHERRY

(in Nos.)

Sl. No.	Name of District	Location of Tubewell			According to Average Pumping Hours during peak season						
		On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	KARAIKAL	0	250	250	30	152	43	17	8	0	250
2.	PONDICHERRY	1	3644	3645	206	1431	882	281	303	542	3645
* State Total :		1	3894	3895	236	1583	925	298	311	542	3895

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 Average length of Water Conveyance Channel

State : PONDICHERRY

(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.	KARAIKAL	250	83	230	0
2.	PONDICHERRY	3645	3	151	18
* State Average:		3895	43	190	18

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : PONDICHERRY		(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.	KARAIKAL	958	651	329	0	0	980
2.	PONDICHERRY	4905	3106	2368	1500	560	7534
* State Total :		5863	3757	2697	1500	560	8514

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : PONDICHERRY		(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.	KARAIKAL	573	328	0	0	901
2.	PONDICHERRY	2928	2210	1415	468	7021
* State Total :		3501	2538	1415	468	7922

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 Irrigation through supplimentary sources

State : PONDICHERRY		(in Ha.)	
Sl.	Name of District	Supplementary Irrigation in 1993-94	

No.		Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	KARAIKAL	0	0	0	0	0
2.	PONDICHERRY	0	0	0	0	0
* State Total :		0	0	0	0	0

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : PONDICHERRY

(in Nos.)

Sl. No.	Name of District	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.	KARAIKAL	243	227	0	0	0	16	16	243
2.	PONDICHERRY	3400	3228	0	0	60	112	172	3400
* State Total :		3643	3455	0	0	60	128	188	3643

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : PUNJAB

(in Nos.)

Sl. No.	Name of District	Construction of 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.	AMRITSAR	72891	6815	5551	3878	2194	2039	1318	943	95629
2.	BATHINDA	16739	3869	2919	3282	2145	1489	1096	673	32212

3.	FARIDKOT	50397	12491	10319	9616	7739	5704	3801	3251	103318
4.	FATEHGARH SAHIB	21554	1279	478	546	316	232	162	181	24748
5.	FEROZEPUR	39503	15902	13087	11525	7359	4968	2991	2470	97805
6.	GURDASPUR	42523	6788	3973	2505	1566	1081	694	924	60054
7.	HOSHIARPUR	37532	4809	3171	1584	1457	1082	905	770	51310
8.	JALANDHAR	70857	7307	4165	2751	1614	1083	722	522	89021
9.	KAPURTHALA	27317	4688	2558	2315	1262	969	595	366	40070
10.	LUDHIANA	84538	6817	4362	3038	2406	1592	1263	962	104978
11.	MANSA	9894	6654	4609	4764	3742	2530	833	385	33411
12.	PATIALA	45908	8754	5686	5998	4142	2374	2154	1232	76248
13.	ROPAR	16477	1950	1107	1065	1030	702	821	742	23894
14.	SANGRUR	54564	16646	13049	10184	7736	4899	2790	1643	111511
State Total :		590694	104769	75034	63051	44708	30744	20145	15064	944209

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 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	45	4	13	14	95545	8	95629
2.	BATHINDA	1	1	2	2	32206	0	32212
3.	FARIDKOT	10	0	1	26	103281	0	103318
4.	FATEHGARH SAHIB	3	1	10	3	24731	0	24748
5.	FEROZEPUR	2	0	8	0	97795	0	97805
6.	GURDASPUR	44	1	10	10	59986	3	60054
7.	HOSHIARPUR	34	1	4	10	51256	5	51310
8.	JALANDHAR	50	4	20	27	88912	8	89021
9.	KAPURTHALA	21	2	20	7	40018	2	40070
10.	LUDHIANA	44	5	86	106	104727	10	104978
11.	MANSA	139	56	26	61	33126	3	33411
12.	PATIALA	26	10	23	171	76010	8	76248
13.	ROPAR	18	1	9	101	23762	3	23894
14.	SANGRUR	101	15	79	32	111263	21	111511
State Total :		538	101	311	570	942618	71	944209

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell according to the holding size

State : PUNJAB		(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.	AMRITSAR	3069	14494	72460	5536	95559
2.	BATHINDA	1132	4813	22702	3561	32208
3.	FARIDKOT	27477	24259	45855	5716	103307
4.	FATEHGARH SAHIB	2992	5389	14873	1480	24734
5.	FEROZEPUR	8262	17757	59401	12375	97795
6.	GURDASPUR	5794	14900	36526	2776	59996
7.	HOSHIARPUR	9257	14427	25643	1939	51266
8.	JALANDHAR	12531	21971	51239	3198	88939
9.	KAPURTHALA	3342	10321	23977	2385	40025
10.	LUDHIANA	8771	18183	69600	8279	104833
11.	MANSA	2308	5680	20484	4715	33187
12.	PATIALA	7474	13492	47788	7427	76181
13.	ROPAR	4274	8112	11012	465	23863
14.	SANGRUR	11255	17190	72026	10824	111295
State Total :		107938	190988	573586	70676	943188

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell according to social status

State : PUNJAB		(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.	AMRITSAR	1546	714	93299	95559	70	95629
2.	BATHINDA	437	126	31645	32208	4	32212
3.	FARIDKOT	2406	1062	99839	103307	11	103318
4.	FATEHGARH SAHIB	1040	251	23443	24734	14	24748
5.	FEROZEPUR	2544	2435	92816	97795	10	97805
6.	GURDASPUR	1849	641	57506	59996	58	60054

7.	HOSHIARPUR	2506	973	47787	51266	44	51310
8.	JALANDHAR	5636	1200	82103	88939	82	89021
9.	KAPURTHALA	2667	566	36792	40025	45	40070
10.	LUDHIANA	3311	703	100819	104833	145	104978
11.	MANSA	779	408	32000	33187	224	33411
12.	PATIALA	2416	435	73330	76181	67	76248
13.	ROPAR	1128	256	22479	23863	31	23894
14.	SANGRUR	3795	1012	106488	111295	216	111511
-----		-----					
State Total :		32060	10782	900346	943188	1021	944209
-----		-----					

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : PUNJAB		(in Nos.)				
-----		-----				
		Type of Tubewells				
-----		-----				
Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
-----		-----				
1	2	3	4	5	6	7
-----		-----				
1.	AMRITSAR	92805	1523	934	367	95629
2.	BATHINDA	27496	2997	1696	23	32212
3.	FARIDKOT	94185	8878	223	32	103318
4.	FATEHGARH SAHIB	24456	112	49	131	24748
5.	FEROZEPUR	74665	16117	6936	87	97805
6.	GURDASPUR	53886	2601	3429	138	60054
7.	HOSHIARPUR	38176	8430	4618	86	51310
8.	JALANDHAR	82292	1856	2477	2396	89021
9.	KAPURTHALA	34339	412	5260	59	40070
10.	LUDHIANA	86047	688	17535	708	104978
11.	MANSA	24111	2749	5558	993	33411
12.	PATIALA	56597	15018	4167	466	76248
13.	ROPAR	18759	4787	240	108	23894
14.	SANGRUR	96144	2748	10914	1705	111511
-----		-----				
State Total :		803958	68916	64036	7299	944209
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MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : PUNJAB (in Nos.)

Sl. No.	Name of District	T'Wells	Tubewells Not in Use					Total (4 to 8)	Grand Total (3 + 9)
		In Use	Temporary	Abandoned (Salinity)	Dried up	Destroyed	Others		
1	2	3	4	5	6	7	8	9	10
1.	AMRITSAR	94813	731	68	6	10	1	816	95629
2.	BATHINDA	32172	31	6	1	0	2	40	32212
3.	FARIDKOT	103167	136	11	3	1	0	151	103318
4.	FATEHGARH SAHIB	24713	35	0	0	0	0	35	24748
5.	FEROZEPUR	97530	202	69	2	1	1	275	97805
6.	GURDASPUR	59350	571	100	7	6	20	704	60054
7.	HOSHIARPUR	50530	613	143	14	6	4	780	51310
8.	JALANDHAR	88573	355	54	27	8	4	448	89021
9.	KAPURTHALA	39813	212	32	7	2	4	257	40070
10.	LUDHIANA	104723	84	139	25	5	2	255	104978
11.	MANSA	32876	361	151	12	9	2	535	33411
12.	PATIALA	75983	198	57	6	0	4	265	76248
13.	ROPAR	23700	92	72	2	1	27	194	23894
14.	SANGRUR	110560	740	150	30	24	7	951	111511
State Total :		938503	4361	1052	142	73	78	5706	944209

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : PUNJAB

(in Nos.)

Sl. No.	Name of District	Source of Finance for constructing Tubewell						Total (3 to 8)
		Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	
1	2	3	4	5	6	7	8	9
1.	AMRITSAR	4993	89307	842	35	57	350	95584
2.	BATHINDA	2955	27448	1643	116	7	42	32211
3.	FARIDKOT	3563	99251	482	3	1	8	103308
4.	FATEHGARH SAHIB	986	23520	220	7	0	12	24745
5.	FEROZEPUR	16378	74899	6265	253	3	5	97803
6.	GURDASPUR	1089	57505	1187	175	20	34	60010
7.	HOSHIARPUR	8746	41477	766	125	19	143	51276
8.	JALANDHAR	15140	72923	592	5	289	22	88971
9.	KAPURTHALA	298	39435	250	4	56	6	40049
10.	LUDHIANA	95884	8232	403	14	314	87	104934
11.	MANSA	1616	30636	994	8	10	8	33272
12.	PATIALA	26206	49201	250	0	15	550	76222

1	2	3	4	5	6	7	8	9
1.	AMRITSAR	90846	3536	833	82	178	154	95629
2.	BATHINDA	8945	22177	81	8	16	985	32212
3.	FARIDKOT	35027	67057	398	177	19	640	103318
4.	FATEHGARH SAHIB	16622	8032	63	18	7	6	24748
5.	FEROZEPUR	62562	34990	162	25	50	16	97805
6.	GURDASPUR	48565	10844	379	47	130	89	60054
7.	HOSHIARPUR	29830	20641	237	41	483	78	51310
8.	JALANDHAR	62283	26088	315	31	222	82	89021
9.	KAPURTHALA	27568	12217	150	8	66	61	40070
10.	LUDHIANA	64864	39607	274	32	161	40	104978
11.	MANSA	5298	27487	61	12	96	457	33411
12.	PATIALA	48238	27799	59	27	104	21	76248
13.	ROPAR	12547	11241	32	8	36	30	23894
14.	SANGRUR	67012	41680	1990	67	350	412	111511
State Total :		580207	353396	5034	583	1918	3071	944209

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : PUNJAB

(in Nos.)

		According to horse power of lifting devices								
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)	
1	2	3	4	5	6	7	8	9	10	
1.	AMRITSAR	1219	42873	45445	4654	260	1000	178	95629	
2.	BATHINDA	120	143	7331	12033	5110	7459	16	32212	
3.	FARIDKOT	289	6184	24388	62643	4322	5473	19	103318	
4.	FATEHGARH SAHIB	89	3666	17038	2874	653	421	7	24748	
5.	FEROZEPUR	263	18532	44205	30356	1778	2621	50	97805	
6.	GURDASPUR	2566	38639	13294	3973	635	817	130	60054	
7.	HOSHIARPUR	1052	13524	26443	8497	499	812	483	51310	
8.	JALANDHAR	1780	22764	36990	26038	516	711	222	89021	
9.	KAPURTHALA	1680	14783	10673	12386	258	224	66	40070	
10.	LUDHIANA	1207	20056	63481	19097	590	386	161	104978	
11.	MANSA	234	249	10693	19184	703	2252	96	33411	
12.	PATIALA	293	2214	35325	32887	3737	1688	104	76248	
13.	ROPAR	186	5246	10531	6965	653	277	36	23894	
14.	SANGRUR	1810	3588	68346	33650	2351	1416	350	111511	
State Total :		12788	192461	414183	275237	22065	25557	1918	944209	

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : PUNJAB		(in Nos.)									
		Location of Tubewell			According to Average Pumping Hours during peak season						
Sl. No.	Name of District	On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	AMRITSAR	44452	51177	95629	2487	22546	67687	2166	191	552	95629
2.	BATHINDA	30346	1866	32212	3270	18721	9724	449	46	2	32212
3.	FARIDKOT	92790	10528	103318	10420	88601	4276	7	7	7	103318
4.	FATEHGARH SAHIB	23395	1353	24748	1671	7931	15000	109	34	3	24748
5.	FEROZEPUR	62865	34940	97805	2349	39648	53885	1605	277	41	97805
6.	GURDASPUR	27938	32116	60054	2463	22787	31283	1718	557	1246	60054
7.	HOSHIARPUR	7441	43869	51310	2221	30234	18579	200	52	24	51310
8.	JALANDHAR	19897	69124	89021	3232	26016	59523	122	114	14	89021
9.	KAPURTHALA	11639	28431	40070	1856	24438	13411	208	132	25	40070
10.	LUDHIANA	9833	95145	104978	6931	67644	27665	1431	1133	174	104978
11.	MANSA	24094	9317	33411	3009	15649	12500	746	555	952	33411
12.	PATIALA	17576	58672	76248	4692	15454	53842	1330	37	893	76248
13.	ROPAR	13847	10047	23894	2137	8954	12537	207	52	7	23894
14.	SANGRUR	40712	70799	111511	5496	37945	67509	416	109	36	111511
State Total :		426825	517384	944209	52234	426568	447421	10714	3296	3976	944209

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 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	95629	3	300	1
2.	BATHINDA	32212	21	237	1

3.	FARIDKOT	103318	14	285	1
4.	FATEHGARH SAHIB	24748	2	323	10
5.	FEROZEPUR	97805	37	182	1
6.	GURDASPUR	60054	1	236	3
7.	HOSHIARPUR	51310	4	182	17
8.	JALANDHAR	89021	1	304	6
9.	KAPURTHALA	40070	1	227	2
10.	LUDHIANA	104978	1	213	5
11.	MANSA	33411	9	282	2
12.	PATIALA	76248	3	279	4
13.	ROPAR	23894	2	254	20
14.	SANGRUR	111511	2	287	3

State Average:		944209	7	256	5

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : PUNJAB

(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.	AMRITSAR	471468	427726	435465	9290	27038	899519
2.	BATHINDA	144243	136181	134983	369	110	271643
3.	FARIDKOT	374573	328334	364101	1645	857	694937
4.	FATEHGARH SAHIB	84041	76608	77744	6185	353	160890
5.	FEROZEPUR	362303	324095	336303	4034	7828	672260
6.	GURDASPUR	302638	182326	213065	19666	8406	423463
7.	HOSHIARPUR	156517	130338	135864	11179	3407	280788
8.	JALANDHAR	296332	242253	264491	33336	15543	555623
9.	KAPURTHALA	119991	110521	121449	3539	485	235994
10.	LUDHIANA	275950	263525	270988	4113	243	538869
11.	MANSA	128002	127258	127534	684	295	255771
12.	PATIALA	301383	285347	280935	6271	11851	584404
13.	ROPAR	117922	50545	69787	17374	1141	138847
14.	SANGRUR	400134	414191	413200	11385	5068	843844
State Total :		3535497	3099248	3245909	129070	82625	6556852

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : PUNJAB		(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.	AMRITSAR	381464	391971	7836	22953	804224
2.	BATHINDA	133066	131484	353	67	264970
3.	FARIDKOT	315364	327919	1583	103	644969
4.	FATEHGARH SAHIB	73906	73837	5659	343	153745
5.	FEROZEPUR	311130	322715	1863	6538	642246
6.	GURDASPUR	162207	190749	18286	7151	378393
7.	HOSHIARPUR	110673	116836	10580	2493	240582
8.	JALANDHAR	221997	245384	32178	12891	512450
9.	KAPURTHALA	101249	102009	598	316	204172
10.	LUDHIANA	258727	258844	3623	48	521242
11.	MANSA	116144	116266	677	33	233120
12.	PATIALA	268982	264407	5654	11329	550372
13.	ROPAR	42611	62077	17058	859	122605
14.	SANGRUR	368350	373715	6797	364	749226
State Total :		2865870	2978213	112745	65488	6022316

MINOR IRRIGATION CENSUS (1993-94)**SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2****Table 2.15 Irrigation through supplementary sources**

State : PUNJAB		(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.	AMRITSAR	126933	124432	3613	5487	260465
2.	BATHINDA	113808	112185	319	7	226319
3.	FARIDKOT	218449	225311	1230	68	445058
4.	FATEHGARH SAHIB	34	33	3	6	76
5.	FEROZEPUR	153275	160251	2785	4197	320508
6.	GURDASPUR	48037	44246	5208	2466	99957
7.	HOSHIARPUR	4726	4674	208	200	9808
8.	JALANDHAR	8683	8644	3335	2738	23400
9.	KAPURTHALA	1835	1966	182	67	4050

10.	LUDHIANA	461	428	8	33	930
11.	MANSA	82557	83152	490	41	166240
12.	PATIALA	11739	11491	772	556	24558
13.	ROPAR	564	539	66	23	1192
14.	SANGRUR	72926	73176	1600	261	147963
State Total :		844027	850528	19819	16150	1730524

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : PUNJAB

(in Nos.)

Sl. No.	Name of District	No. of T'wells in use	No. of T'wells with no cons'nts	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	94813	0	63940	1386	242	29245	94813	94813
2.	BATHINDA	32172	0	17113	1914	1570	11575	32172	32172
3.	FARIDKOT	103167	0	73603	2541	16	27007	103167	103167
4.	FATEHGARH SAHIB	24713	0	21607	2	1	3103	24713	24713
5.	FEROZEPUR	97530	0	90650	155	28	6697	97530	97530
6.	GURDASPUR	59350	0	38624	120	23	20583	59350	59350
7.	HOSHIARPUR	50530	0	23855	2576	1167	22932	50530	50530
8.	JALANDHAR	88573	0	58888	3077	363	26245	88573	88573
9.	KAPURTHALA	39813	0	22597	413	16	16787	39813	39813
10.	LUDHIANA	104723	0	62604	2679	379	39061	104723	104723
11.	MANSA	32876	0	14519	1037	395	16925	32876	32876
12.	PATIALA	75983	0	43298	2836	36	29813	75983	75983
13.	ROPAR	23700	0	13068	36	31	10565	23700	23700
14.	SANGRUR	110560	0	63104	1357	70	46029	110560	110560
State Total :		938503	0	607470	20129	4337	306567	938503	938503

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : RAJASTHAN

(in Nos.)

Construction of 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	0	0	0	0	0	0	1	0	1
2.	ALWAR	7444	2016	2156	1564	1547	1429	889	764	17809
3.	BANSWARA	7	0	0	0	1	4	1	0	13
4.	BARAN	644	55	84	109	115	260	239	563	2069
5.	BHARATPUR	13922	2600	2906	2856	2430	2147	1529	1199	29589
6.	BHILWARA	5	1	0	5	1	0	2	1	15
7.	BIKANER	0	0	0	0	1	6	5	8	20
8.	BUNDI	35	5	9	12	5	7	9	10	92
9.	CHITTORGARH	96	15	26	43	56	52	71	64	423
10.	CHURU	22	4	6	2	12	5	23	16	90
11.	DAUSA	1026	515	450	368	293	265	182	291	3390
12.	DHOLPUR	1490	560	571	541	320	298	208	114	4102
13.	DUNGARPUR	12	3	2	1	0	1	1	1	21
14.	JAIPUR	0	1	0	0	8	7	2	5	23
15.	JAISALMER	9	1	0	0	1	0	7	0	18
16.	JALORE	28	12	5	5	7	10	5	2	74
17.	JHALAWAR	10	0	0	1	10	20	12	16	69
18.	JODHPUR	130	5	16	20	22	16	27	32	268
19.	KOTA	174	50	70	88	217	432	459	426	1916
20.	NAGAU	20	103	84	59	66	61	78	53	524
21.	PALI	71	8	2	9	9	19	9	9	136
22.	RAJSAMAND	3	0	0	0	1	3	0	0	7
23.	SAWAI-MADHOPUR	979	558	276	262	98	102	51	72	2398
24.	SIROHI	0	1	0	0	0	0	0	0	1
25.	TONK	3	0	0	0	0	2	0	0	5
26.	UDAIPUR	4	0	1	1	1	1	1	17	26
* State Total :		26134	6513	6664	5946	5221	5147	3811	3663	63099

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 Distribution according to ownership

State : RAJASTHAN

(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.	AJMER	1	0	0	0	0	1
2.	ALWAR	21	18	2	9094	8663	17809
3.	BANSWARA	0	0	1	3	9	13
4.	BARAN	20	3	2	873	1165	2069
5.	BHARATPUR	42	24	6	15178	14326	29589
6.	BHILWARA	0	0	0	7	8	15
7.	BIKANER	0	0	0	1	19	20
8.	BUNDI	0	0	0	27	65	92
9.	CHITTORGARH	0	3	0	239	181	423
10.	CHURU	0	0	0	7	81	90
11.	DAUSA	7	11	1	2143	1223	3390
12.	DHOLPUR	8	3	0	2106	1980	4102
13.	DUNGARPUR	1	2	0	6	12	21
14.	JAIPUR	0	0	0	15	8	23
15.	JAISALMER	0	0	0	7	11	18
16.	JALORE	9	0	0	32	33	74
17.	JHALAWAR	0	0	0	26	43	69
18.	JODHPUR	4	0	0	204	60	268
19.	KOTA	4	1	0	704	1207	1916
20.	NAGOUR	2	1	0	178	343	524
21.	PALI	1	0	0	108	26	136
22.	RAJSAMAND	0	0	0	2	5	7
23.	SAWAI-MADHOPUR	19	1	0	1495	882	2398
24.	SIROHI	0	0	0	1	0	1
25.	TONK	0	0	0	5	0	5
26.	UDAIPUR	0	0	0	10	16	26
* State Total :		139	67	12	32471	30366	63099

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell 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	0	0	0	0
2.	ALWAR	1190	4004	11933	630	17757
3.	BANSWARA	0	4	8	0	12
4.	BARAN	88	222	1569	159	2038
5.	BHARATPUR	1747	5315	21325	1117	29504

6.	BHILWARA	1	5	9	0	15
7.	BIKANER	0	0	13	7	20
8.	BUNDI	0	16	74	2	92
9.	CHITTORGARH	11	58	287	64	420
10.	CHURU	7	6	66	9	88
11.	DAUSA	367	1145	1736	118	3366
12.	DHOLPUR	493	1470	1990	133	4086
13.	DUNGARPUR	0	5	12	1	18
14.	JAIPUR	2	3	17	1	23
15.	JAISALMER	0	0	10	8	18
16.	JALORE	0	13	49	3	65
17.	JHALAWAR	1	3	43	22	69
18.	JODHPUR	1	10	161	92	264
19.	KOTA	30	169	1368	344	1911
20.	NAGAU	6	40	441	34	521
21.	PALI	3	3	40	88	134
22.	RAJSAMAND	0	0	4	3	7
23.	SAWAI-MADHOPUR	226	693	1393	65	2377
24.	SIROHI	0	0	0	1	1
25.	TONK	0	2	3	0	5
26.	UDAIPUR	3	7	16	0	26

* State Total :		4176	13193	42567	2901	62837

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell 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 (6 + 7)
		Schedule Caste	Schedule Tribe	Others	Total (3+4+5)		
1	2	3	4	5	6	7	8
1.	AJMER	0	0	0	0	1	1
2.	ALWAR	1555	2587	13615	17757	52	17809
3.	BANSWARA	0	1	11	12	1	13
4.	BARAN	159	316	1563	2038	31	2069
5.	BHARATPUR	1973	2454	25077	29504	85	29589
6.	BHILWARA	0	0	15	15	0	15
7.	BIKANER	0	0	20	20	0	20
8.	BUNDI	9	12	71	92	0	92
9.	CHITTORGARH	16	15	389	420	3	423
10.	CHURU	11	0	77	88	2	90

11.	DAUSA	415	1368	1583	3366	24	3390
12.	DHOLPUR	660	233	3193	4086	16	4102
13.	DUNGARPUR	0	2	16	18	3	21
14.	JAIPUR	1	0	22	23	0	23
15.	JAISALMER	0	0	18	18	0	18
16.	JALORE	1	16	48	65	9	74
17.	JHALAWAR	0	7	62	69	0	69
18.	JODHPUR	14	5	245	264	4	268
19.	KOTA	155	347	1409	1911	5	1916
20.	NAGPUR	62	43	416	521	3	524
21.	PALI	10	0	124	134	2	136
22.	RAJSAMAND	0	0	7	7	0	7
23.	SAWAI-MADHOPUR	305	559	1513	2377	21	2398
24.	SIROHI	0	0	1	1	0	1
25.	TONK	0	0	5	5	0	5
26.	UDAIPUR	2	0	24	26	0	26

-----		* State Total :	5348	7965	49524	62837	262	63099

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : RAJASTHAN

(in Nos.)

		Type of Tubewells				
Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
1	2	3	4	5	6	7
1.	AJMER	0	0	1	0	1
2.	ALWAR	16494	276	967	72	17809
3.	BANSWARA	7	0	6	0	13
4.	BARAN	1886	6	176	1	2069
5.	BHARATPUR	27000	302	2204	83	29589
6.	BHILWARA	15	0	0	0	15
7.	BIKANER	2	0	18	0	20
8.	BUNDI	63	1	28	0	92
9.	CHITTORGARH	336	6	80	1	423
10.	CHURU	55	0	35	0	90
11.	DAUSA	3092	102	132	64	3390
12.	DHOLPUR	3459	8	631	4	4102
13.	DUNGARPUR	17	0	4	0	21
14.	JAIPUR	15	0	8	0	23
15.	JAISALMER	18	0	0	0	18

16.	JALORE	51	0	23	0	74
17.	JHALAWAR	57	3	9	0	69
18.	JODHPUR	179	0	89	0	268
19.	KOTA	1408	3	505	0	1916
20.	NAGAU	125	4	395	0	524
21.	PALI	134	1	1	0	136
22.	RAJSAMAND	3	0	4	0	7
23.	SAWAI-MADHOPUR	2076	63	222	37	2398
24.	SIROHI	1	0	0	0	1
25.	TONK	5	0	0	0	5
26.	UDAIPUR	21	0	5	0	26

* State Total :		56519	775	5543	262	63099

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : RAJASTHAN

(in Nos.)

Sl. No.	Name of District	T'Wells In Use	----- Tubewells Not in Use -----				Others	Total (4 to 8)	Grand Total (3 + 9)
			Temporary	Abandoned (Salinity)	Dried up	Destroyed			
1	2	3	4	5	6	7	8	9	10

1.	AJMER	1	0	0	0	0	0	0	1
2.	ALWAR	16514	1274	8	11	1	1	1295	17809
3.	BANSWARA	9	2	0	0	0	2	4	13
4.	BARAN	1851	211	4	3	0	0	218	2069
5.	BHARATPUR	28134	1402	22	22	8	1	1455	29589
6.	BHILWARA	13	2	0	0	0	0	2	15
7.	BIKANER	19	0	1	0	0	0	1	20
8.	BUNDI	8	84	0	0	0	0	84	92
9.	CHITTORGARH	391	31	1	0	0	0	32	423
10.	CHURU	88	2	0	0	0	0	2	90
11.	DAUSA	2589	799	1	1	0	0	801	3390
12.	DHOLPUR	3983	105	7	5	1	1	119	4102
13.	DUNGARPUR	21	0	0	0	0	0	0	21
14.	JAIPUR	21	0	0	0	0	2	2	23
15.	JAISALMER	17	1	0	0	0	0	1	18
16.	JALORE	60	11	3	0	0	0	14	74
17.	JHALAWAR	67	2	0	0	0	0	2	69
18.	JODHPUR	248	18	1	1	0	0	20	268
19.	KOTA	1670	236	6	2	2	0	246	1916
20.	NAGAU	445	77	1	0	1	0	79	524
21.	PALI	119	8	1	1	0	7	17	136

22.	RAJSAMAND	7	0	0	0	0	0	0	7
23.	SAWAI-MADHOPUR	2288	71	4	18	9	8	110	2398
24.	SIROHI	1	0	0	0	0	0	0	1
25.	TONK	5	0	0	0	0	0	0	5
26.	UDAIPUR	26	0	0	0	0	0	0	26
* State Total :		58595	4336	60	64	22	22	4504	63099

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : RAJASTHAN

(in Nos.)

		Source of Finance for constructing Tubewell						Total (3 to 8)
Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	
1	2	3	4	5	6	7	8	9
1.	AJMER	0	0	0	0	0	0	0
2.	ALWAR	5106	11917	529	203	33	0	17788
3.	BANSWARA	3	6	0	4	0	0	13
4.	BARAN	564	1056	426	1	0	2	2049
5.	BHARATPUR	9120	18045	1954	355	73	0	29547
6.	BHILWARA	7	8	0	0	0	0	15
7.	BIKANER	0	18	2	0	0	0	20
8.	BUNDI	60	15	12	0	5	0	92
9.	CHITTORGARH	148	225	47	3	0	0	423
10.	CHURU	47	3	36	3	0	1	90
11.	DAUSA	624	2645	87	27	0	0	3383
12.	DHOLPUR	362	2980	316	426	10	0	4094
13.	DUNGARPUR	3	10	7	0	0	0	20
14.	JAIPUR	15	8	0	0	0	0	23
15.	JAISALMER	8	10	0	0	0	0	18
16.	JALORE	19	40	5	1	0	0	65
17.	JHALAWAR	6	50	13	0	0	0	69
18.	JODHPUR	28	206	29	1	0	0	264
19.	KOTA	365	975	529	9	34	0	1912
20.	NAGAU	14	349	155	0	2	2	522
21.	PALI	23	106	5	0	0	1	135
22.	RAJSAMAND	0	7	0	0	0	0	7
23.	SAWAI-MADHOPUR	1000	1205	31	1	2	140	2379
24.	SIROHI	0	1	0	0	0	0	1
25.	TONK	2	3	0	0	0	0	5
26.	UDAIPUR	1	24	1	0	0	0	26

* State Total :	17525	39912	4184	1034	159	146	62960
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* Data in respect of the remaining 5 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : RAJASTHAN

(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.	AJMER	0	0	1	0	0	1
2.	ALWAR	942	223	14945	141	1558	17809
3.	BANSWARA	2	0	5	2	4	13
4.	BARAN	75	4	1511	111	368	2069
5.	BHARATPUR	1029	478	24672	278	3132	29589
6.	BHILWARA	1	2	9	1	2	15
7.	BIKANER	6	13	0	0	1	20
8.	BUNDI	5	0	12	0	75	92
9.	CHITTORGARH	5	0	341	52	25	423
10.	CHURU	85	3	2	0	0	90
11.	DAUSA	762	54	2488	18	68	3390
12.	DHOLPUR	109	29	3851	37	76	4102
13.	DUNGARPUR	1	1	7	12	0	21
14.	JAIPUR	13	0	8	0	2	23
15.	JAISALMER	10	0	8	0	0	18
16.	JALORE	11	0	31	0	32	74
17.	JHALAWAR	0	0	67	1	1	69
18.	JODHPUR	47	4	157	55	5	268
19.	KOTA	36	5	1030	91	754	1916
20.	NAGAU	20	5	417	0	82	524
21.	PALI	14	1	117	4	0	136
22.	RAJSAMAND	0	0	4	3	0	7
23.	SAWAI-MADHOPUR	16	22	2040	43	277	2398
24.	SIROHI	0	0	0	0	1	1
25.	TONK	0	0	5	0	0	5
26.	UDAIPUR	0	0	24	2	0	26
* State Total :		3189	844	51752	851	6463	63099

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

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.9 Distribution of Tubewell according to water lifting device

State : RAJASTHAN

(in Nos.)

According to Water Lifting Devices for Tubewell								
Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	AJMER	1	0	0	0	0	0	1
2.	ALWAR	2923	14558	23	6	32	267	17809
3.	BANSWARA	13	0	0	0	0	0	13
4.	BARAN	750	1289	3	1	7	19	2069
5.	BHARATPUR	4836	24230	55	3	71	394	29589
6.	BHILWARA	13	0	0	0	0	2	15
7.	BIKANER	20	0	0	0	0	0	20
8.	BUNDI	9	3	0	0	0	80	92
9.	CHITTORGARH	412	7	3	0	0	1	423
10.	CHURU	89	1	0	0	0	0	90
11.	DAUSA	1156	2226	1	3	3	1	3390
12.	DHOLPUR	416	3615	1	0	1	69	4102
13.	DUNGARPUR	21	0	0	0	0	0	21
14.	JAIPUR	9	12	0	0	0	2	23
15.	JAISALMER	18	0	0	0	0	0	18
16.	JALORE	24	45	0	0	0	5	74
17.	JHALAWAR	59	10	0	0	0	0	69
18.	JODHPUR	262	2	0	0	0	4	268
19.	KOTA	1370	346	2	1	3	194	1916
20.	NAGPUR	286	170	1	0	1	66	524
21.	PALI	128	8	0	0	0	0	136
22.	RAJSAMAND	7	0	0	0	0	0	7
23.	SAWAI-MADHOPUR	751	1554	1	2	41	49	2398
24.	SIROHI	1	0	0	0	0	0	1
25.	TONK	0	5	0	0	0	0	5
26.	UDAIPUR	26	0	0	0	0	0	26
* State Total :		13600	48081	90	16	159	1153	63099

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

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.10 Distribution of Tubewell according to horse power

State : RAJASTHAN

(in Nos.)

1	2	3	4	5	6	7	8	9	10	11	12
1.	AJMER	0	1	1	1	0	0	0	0	0	1
2.	ALWAR	219	17590	17809	3802	11197	2629	122	32	27	17809
3.	BANSWARA	7	6	13	5	6	0	2	0	0	13
4.	BARAN	12	2057	2069	532	1052	368	92	22	3	2069
5.	BHARATPUR	212	29377	29589	6906	16737	5648	170	48	80	29589
6.	BHILWARA	0	15	15	9	4	2	0	0	0	15
7.	BIKANER	0	20	20	0	12	2	5	1	0	20
8.	BUNDI	0	92	92	84	0	8	0	0	0	92
9.	CHITTORGARH	2	421	423	71	256	80	13	1	2	423
10.	CHURU	0	90	90	6	83	1	0	0	0	90
11.	DAUSA	0	3390	3390	976	1807	492	23	3	89	3390
12.	DHOLPUR	564	3538	4102	748	2738	586	21	8	1	4102
13.	DUNGARPUR	0	21	21	9	8	2	0	2	0	21
14.	JAIPUR	0	23	23	3	17	3	0	0	0	23
15.	JAISALMER	0	18	18	6	12	0	0	0	0	18
16.	JALORE	0	74	74	16	39	18	0	1	0	74
17.	JHALAWAR	0	69	69	0	49	14	4	2	0	69
18.	JODHPUR	3	265	268	124	135	5	2	2	0	268
19.	KOTA	232	1684	1916	521	1100	272	2	18	3	1916
20.	NAGAU	3	521	524	95	392	33	2	2	0	524
21.	PALI	0	136	136	75	54	4	2	0	1	136
22.	RAJSAMAND	0	7	7	0	3	4	0	0	0	7
23.	SAWAI-MADHOPUR	0	2398	2398	640	1051	695	10	2	0	2398
24.	SIROHI	0	1	1	0	1	0	0	0	0	1
25.	TONK	0	5	5	5	0	0	0	0	0	5
26.	UDAIPUR	3	23	26	16	6	3	1	0	0	26
* State Total :		1257	61842	63099	14650	36759	10869	471	144	206	63099

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 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	1	0	100	0
2.	ALWAR	17809	0	174	1

3.	BANSWARA	13	218	196	13
4.	BARAN	2069	1	124	1
5.	BHARATPUR	29589	1	187	3
6.	BHILWARA	15	7	158	5
7.	BIKANER	20	141	30	33
8.	BUNDI	92	2	9	0
9.	CHITTORGARH	423	1	90	28
10.	CHURU	90	25	0	1
11.	DAUSA	3390	0	152	3
12.	DHOLPUR	4102	9	174	4
13.	DUNGARPUR	21	5	82	142
14.	JAIPUR	23	96	54	0
15.	JAISALMER	18	19	14	0
16.	JALORE	74	17	286	0
17.	JHALAWAR	69	1	53	0
18.	JODHPUR	268	87	201	74
19.	KOTA	1916	19	85	18
20.	NAGAU	524	12	117	1
21.	PALI	136	2	317	61
22.	RAJSAMAND	7	117	25	42
23.	SAWAI-MADHOPUR	2398	2	153	13
24.	SIROHI	1	0	140	250
25.	TONK	5	0	19	0
26.	UDAIPUR	26	2	88	19

 * State Average: 63099 37 121 37

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : RAJASTHAN

(in Ha.)

Sl. No.	Name of District	Culturable Command Area	Irrigation Potential Created				Total
			Kharif	Rabi	Perenial	Others	
1	2	3	4	5	6	7	8
1.	AJMER	0	0	0	0	0	0
2.	ALWAR	77232	385	77996	13	51	78445
3.	BANSWARA	33	15	28	0	5	48
4.	BARAN	10873	140	12025	15	0	12180
5.	BHARATPUR	132422	907	134100	76	126	135209
6.	BHILWARA	29	15	27	0	0	42
7.	BIKANER	144	57	138	0	0	195
8.	BUNDI	29	0	29	0	0	29

9.	CHITTORGARH	1618	0	1689	0	0	1689
10.	CHURU	391	18	373	0	0	391
11.	DAUSA	11453	21	11656	15	16	11708
12.	DHOLPUR	14058	764	13755	52	120	14691
13.	DUNGARPUR	136	9	108	2	19	138
14.	JAIPUR	65	0	65	0	0	65
15.	JAISALMER	125	37	99	0	13	149
16.	JALORE	299	2	297	0	1	300
17.	JHALAWAR	505	0	505	0	0	505
18.	JODHPUR	2011	115	1962	4	34	2115
19.	KOTA	9025	985	9206	7	41	10239
20.	NAGAU	3077	85	3090	6	0	3181
21.	PALI	1241	0	1241	0	0	1241
22.	RAJSAMAND	32	0	32	0	0	32
23.	SAWAI-MADHOPUR	8600	15	8600	7	0	8622
24.	SIROHI	32	2	3	0	1	6
25.	TONK	14	1	11	1	0	13
26.	UDAIPUR	88	14	78	4	3	99

* State Total :		273532	3587	277113	202	430	281332

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : RAJASTHAN		(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.	AJMER	0	0	0	0	0
2.	ALWAR	393	76609	98	42	77142
3.	BANSWARA	0	30	0	0	30
4.	BARAN	65	11552	109	0	11726
5.	BHARATPUR	907	131737	247	69	132960
6.	BHILWARA	5	22	0	0	27
7.	BIKANER	23	114	0	0	137
8.	BUNDI	0	29	0	0	29
9.	CHITTORGARH	0	1591	0	0	1591
10.	CHURU	13	291	0	0	304
11.	DAUSA	14	11224	42	15	11295
12.	DHOLPUR	606	13270	12	91	13979
13.	DUNGARPUR	5	98	2	17	122
14.	JAIPUR	0	65	0	0	65

15.	JAISALMER	28	87	0	2	117
16.	JALORE	1	294	0	0	295
17.	JHALAWAR	0	464	0	0	464
18.	JODHPUR	63	1886	0	9	1958
19.	KOTA	911	8918	38	40	9907
20.	NAGAU	84	3040	0	0	3124
21.	PALI	0	1214	0	0	1214
22.	RAJSAMAND	0	32	0	0	32
23.	SAWAI-MADHOPUR	2	8492	0	0	8494
24.	SIROHI	2	3	0	1	6
25.	TONK	1	0	0	0	1
26.	UDAIPUR	16	48	0	1	65

* State Total : 3139 271110 548 287 275084

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 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.	ALWAR	0	0	0	0	0
3.	BANSWARA	0	0	0	0	0
4.	BARAN	0	0	0	0	0
5.	BHARATPUR	0	0	0	0	0
6.	BHILWARA	0	0	0	0	0
7.	BIKANER	0	0	0	0	0
8.	BUNDI	0	0	0	0	0
9.	CHITTORGARH	0	0	0	0	0
10.	CHURU	0	130	0	0	130
11.	DAUSA	0	0	0	0	0
12.	DHOLPUR	0	0	0	0	0
13.	DUNGARPUR	0	0	0	0	0
14.	JAIPUR	0	0	0	0	0
15.	JAISALMER	0	0	0	0	0
16.	JALORE	0	0	0	0	0
17.	JHALAWAR	0	0	0	0	0
18.	JODHPUR	0	0	0	0	0
19.	KOTA	130	509	0	0	639
20.	NAGAU	32	41	0	0	73

21.	PALI	0	0	0	0	0
22.	RAJSAMAND	0	0	0	0	0
23.	SAWAI-MADHOPUR	0	0	0	0	0
24.	SIROHI	0	0	0	0	0
25.	TONK	0	0	0	0	0
26.	UDAIPUR	0	0	0	0	0

* State Total :		162	680	0	0	842

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : RAJASTHAN

(in Nos.)

Sl. No.	Name of District	No. of T'wells in use	No. of T'wells with no cons'nts	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.	AJMER	1	1	0	0	0	0	0	1
2.	ALWAR	16514	16066	0	0	448	0	448	16514
3.	BANSWARA	9	2	2	0	5	0	7	9
4.	BARAN	1851	1849	0	0	2	0	2	1851
5.	BHARATPUR	28134	26636	97	0	1400	1	1498	28134
6.	BHILWARA	13	7	1	0	5	0	6	13
7.	BIKANER	19	14	5	0	0	0	5	19
8.	BUNDI	8	8	0	0	0	0	0	8
9.	CHITTORGARH	391	383	0	1	7	0	8	391
10.	CHURU	88	69	2	0	0	17	19	88
11.	DAUSA	2589	2505	1	0	83	0	84	2589
12.	DHOLPUR	3983	2304	101	1	1575	2	1679	3983
13.	DUNGARPUR	21	5	1	2	11	2	16	21
14.	JAIPUR	21	21	0	0	0	0	0	21
15.	JAISALMER	17	7	10	0	0	0	10	17
16.	JALORE	60	59	1	0	0	0	1	60
17.	JHALAWAR	67	67	0	0	0	0	0	67
18.	JODHPUR	248	25	54	0	169	0	223	248
19.	KOTA	1670	1498	14	6	143	9	172	1670
20.	NAGAU	445	364	13	1	66	1	81	445
21.	PALI	119	119	0	0	0	0	0	119
22.	RAJSAMAND	7	7	0	0	0	0	0	7
23.	SAWAI-MADHOPUR	2288	2288	0	0	0	0	0	2288
24.	SIROHI	1	0	1	0	0	0	1	1
25.	TONK	5	0	0	0	0	5	5	5

26. UDAIPUR	26	13	0	0	11	2	13	26
* State Total :	58595	54317	303	11	3925	39	4278	58595

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : TAMIL NADU

(in Nos.)

Construction of 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	270	46	30	115	60	70	110	72	773
2.	CUDDALORE	15317	2003	1355	1016	834	586	293	198	21602
3.	DHARMAPURI	71	0	0	0	0	0	6	0	77
4.	DINDIGUL	28	26	26	52	58	46	44	62	342
5.	ERODE	170	7	1	0	0	2	0	0	180
6.	KANCHIPURAM	2951	295	198	108	111	89	57	29	3838
7.	KANNIYAKUMARI	41	0	0	0	0	0	0	14	55
8.	KARUR	287	0	5	3	4	0	2	0	301
9.	MADURAI	49	0	0	0	0	0	0	0	49
10.	NAGAPATTINAM	1397	256	201	167	113	61	30	20	2245
11.	NAMAKKAL	36	0	0	0	0	0	0	0	36
12.	PERAMBALUR	2832	289	44	27	71	25	11	10	3309
13.	PUDUKOTTAI	162	86	42	52	28	72	85	69	596
14.	RAMNATHAPURAM	108	36	24	18	49	14	18	24	291
15.	SALEM	61	50	1	2	1	8	11	13	147
16.	SIVAGANGA	13	3	10	6	4	0	2	0	38
17.	THANJAVUR	8601	1791	2400	2199	1714	1175	713	310	18903
18.	THENI	261	24	23	11	22	7	20	27	395
19.	TIRUNELVELI	11	2	12	1	0	1	7	4	38
20.	TIRUVALLUR	2918	852	402	323	258	170	140	116	5179
21.	TIRUVARUR	5407	1152	1131	1255	960	619	360	429	11313
22.	TRICHIRAPPALLI	509	104	71	11	22	1	31	0	749
23.	VILLUPURAM	3699	317	469	214	85	56	49	976	5865
* State Total :		45199	7339	6445	5580	4394	3002	1989	2373	76321

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 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	1	0	0	0	772	0	773
2.	CUDDALORE	0	1	6	40	21554	1	21602
3.	DHARMAPURI	0	0	0	44	33	0	77
4.	DINDIGUL	0	1	30	0	43	268	342
5.	ERODE	0	0	0	144	36	0	180
6.	KANCHIPURAM	6	29	0	418	3380	5	3838
7.	KANNIYAKUMARI	0	0	0	0	55	0	55
8.	KARUR	0	0	0	0	301	0	301
9.	MADURAI	0	0	0	0	49	0	49
10.	NAGAPATTINAM	1	0	0	0	2244	0	2245
11.	NAMAKKAL	0	0	0	0	36	0	36
12.	PERAMBALUR	15	0	28	1	3265	0	3309
13.	PUDUKOTTAI	6	0	0	0	590	0	596
14.	RAMNATHAPURAM	12	0	0	1	278	0	291
15.	SALEM	0	0	0	0	147	0	147
16.	SIVAGANGA	0	0	0	0	38	0	38
17.	THANJAVUR	29	0	1	1	18490	382	18903
18.	THENI	0	0	2	55	338	0	395
19.	TIRUNELVELI	6	0	0	11	21	0	38
20.	TIRUVALLUR	0	0	1	9	5160	9	5179
21.	TIRUVARUR	0	0	0	0	11313	0	11313
22.	TRICHIRAPPALLI	0	0	0	0	748	1	749
23.	VILLUPURAM	1	0	0	28	5836	0	5865
* State Total :		77	31	68	752	74727	666	76321

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell 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	189	214	349	20	772
2.	CUDDALORE	9403	6933	4910	348	21594
3.	DHARMAPURI	56	21	0	0	77
4.	DINDIGUL	29	14	0	0	43
5.	ERODE	71	59	46	4	180
6.	KANCHIPURAM	1939	1006	805	48	3798
7.	KANNIYAKUMARI	41	14	0	0	55
8.	KARUR	72	83	140	6	301
9.	MADURAI	38	9	2	0	49
10.	NAGAPATTINAM	1157	700	374	13	2244
11.	NAMAKKAL	5	9	22	0	36
12.	PERAMBALUR	2401	511	303	51	3266
13.	PUDUKOTTAI	268	207	107	8	590
14.	RAMNATHAPURAM	122	88	68	1	279
15.	SALEM	76	41	30	0	147
16.	SIVAGANGA	7	8	22	1	38
17.	THANJAVUR	8084	6137	3621	649	18491
18.	THENI	281	80	26	6	393
19.	TIRUNELVELI	25	1	3	3	32
20.	TIRUVALLUR	1963	1495	1675	36	5169
21.	TIRUVARUR	3977	4232	2940	164	11313
22.	TRICHIRAPPALLI	516	161	62	9	748
23.	VILLUPURAM	2977	1453	1243	191	5864
* State Total :		33697	23476	16748	1558	75479

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell according to social status

State : TAMIL NADU

(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.	COIMBATORE	24	0	748	772	1	773

2.	CUDDALORE	1205	135	20254	21594	8	21602
3.	DHARMAPURI	4	0	73	77	0	77
4.	DINDIGUL	0	0	43	43	299	342
5.	ERODE	0	0	180	180	0	180
6.	KANCHIPURAM	481	9	3308	3798	40	3838
7.	KANNIYAKUMARI	14	0	41	55	0	55
8.	KARUR	20	23	258	301	0	301
9.	MADURAI	1	0	48	49	0	49
10.	NAGAPATTINAM	316	51	1877	2244	1	2245
11.	NAMAKKAL	21	0	15	36	0	36
12.	PERAMBALUR	99	13	3154	3266	43	3309
13.	PUDUKOTTAI	41	0	549	590	6	596
14.	RAMNATHAPURAM	27	0	252	279	12	291
15.	SALEM	15	18	114	147	0	147
16.	SIVAGANGA	1	0	37	38	0	38
17.	THANJAVUR	911	136	17444	18491	412	18903
18.	THENI	18	1	374	393	2	395
19.	TIRUNELVELI	2	0	30	32	6	38
20.	TIRUVALLUR	421	15	4733	5169	10	5179
21.	TIRUVARUR	693	96	10524	11313	0	11313
22.	TRICHIRAPPALLI	63	248	437	748	1	749
23.	VILLUPURAM	770	96	4998	5864	1	5865
-----		-----					
* State Total :		5147	841	69491	75479	842	76321
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* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : TAMIL NADU		(in Nos.)				
-----		-----				
		Type of Tubewells				

Sl. No.	Name of District	Shallow	Filter	Borewell	Others	Total (3 to 6)
-----		-----				
1	2	3	4	5	6	7
-----		-----				
1.	COIMBATORE	156	54	561	2	773
2.	CUDDALORE	13412	3205	4127	858	21602
3.	DHARMAPURI	3	70	0	4	77
4.	DINDIGUL	9	113	216	4	342
5.	ERODE	98	79	3	0	180
6.	KANCHIPURAM	2770	533	463	72	3838
7.	KANNIYAKUMARI	41	0	14	0	55
8.	KARUR	232	40	12	17	301
9.	MADURAI	16	0	33	0	49

10.	NAGAPATTINAM	305	1650	205	85	2245
11.	NAMAKKAL	32	0	4	0	36
12.	PERAMBALUR	1430	430	522	927	3309
13.	PUDUKOTTAI	392	190	13	1	596
14.	RAMNATHAPURAM	165	10	78	38	291
15.	SALEM	97	0	1	49	147
16.	SIVAGANGA	17	16	0	5	38
17.	THANJAVUR	15958	1549	613	783	18903
18.	THENI	279	21	75	20	395
19.	TIRUNELVELI	25	6	6	1	38
20.	TIRUVALLUR	2348	315	1708	808	5179
21.	TIRUVARUR	5470	2456	2568	819	11313
22.	TRICHIRAPPALLI	507	87	97	58	749
23.	VILLUPURAM	2692	499	2432	242	5865

* State Total :		46454	11323	13751	4793	76321

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : TAMIL NADU

(in Nos.)

Sl. No.	Name of District	T'Wells	----- Tubewells Not in Use -----				Total (4 to 8)	Grand Total (3 + 9)	
		In Use	Temporary	Abandoned (Salinity)	Dried up	Destroyed			Others
1	2	3	4	5	6	7	8	9	10
1.	COIMBATORE	630	44	2	0	12	85	143	773
2.	CUDDALORE	20229	329	367	127	65	485	1373	21602
3.	DHARMAPURI	72	0	0	5	0	0	5	77
4.	DINDIGUL	253	89	0	0	0	0	89	342
5.	ERODE	166	14	0	0	0	0	14	180
6.	KANCHIPURAM	3189	620	17	2	4	6	649	3838
7.	KANNIYAKUMARI	55	0	0	0	0	0	0	55
8.	KARUR	295	6	0	0	0	0	6	301
9.	MADURAI	14	33	0	0	0	2	35	49
10.	NAGAPATTINAM	2139	47	16	0	0	43	106	2245
11.	NAMAKKAL	32	0	0	0	0	4	4	36
12.	PERAMBALUR	2142	82	22	0	1	1062	1167	3309
13.	PUDUKOTTAI	587	8	0	0	0	1	9	596
14.	RAMNATHAPURAM	283	2	1	5	0	0	8	291
15.	SALEM	106	1	39	1	0	0	41	147
16.	SIVAGANGA	38	0	0	0	0	0	0	38
17.	THANJAVUR	18538	215	73	66	5	6	365	18903
18.	THENI	341	11	14	0	29	0	54	395

19.	TIRUNELVELI	37	0	1	0	0	0	1	38
20.	TIRUVALLUR	4969	123	8	52	14	13	210	5179
21.	TIRUVARUR	10697	412	137	44	2	21	616	11313
22.	TRICHIRAPPALLI	164	1	0	0	1	583	585	749
23.	VILLUPURAM	5177	236	257	26	4	165	688	5865
* State Total :		70153	2273	954	328	137	2476	6168	76321

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : TAMIL NADU

(in Nos.)

		Source of Finance for constructing Tubewell						Total (3 to 8)
S1. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	
1	2	3	4	5	6	7	8	9
1.	COIMBATORE	710	5	21	0	0	36	772
2.	CUDDALORE	5221	15291	929	39	92	30	21602
3.	DHARMAPURI	72	4	1	0	0	0	77
4.	DINDIGUL	164	178	0	0	0	0	342
5.	ERODE	180	0	0	0	0	0	180
6.	KANCHIPURAM	3599	54	145	2	13	19	3832
7.	KANNIYAKUMARI	55	0	0	0	0	0	55
8.	KARUR	297	4	0	0	0	0	301
9.	MADURAI	16	33	0	0	0	0	49
10.	NAGAPATTINAM	721	1166	268	16	6	67	2244
11.	NAMAKKAL	31	4	1	0	0	0	36
12.	PERAMBALUR	3165	106	19	0	1	3	3294
13.	PUDUKOTTAI	284	292	11	3	0	0	590
14.	RAMNATHAPURAM	21	232	20	0	1	5	279
15.	SALEM	103	0	44	0	0	0	147
16.	SIVAGANGA	37	1	0	0	0	0	38
17.	THANJAVUR	15387	2316	941	70	145	15	18874
18.	THENI	376	0	3	1	15	0	395
19.	TIRUNELVELI	29	3	0	0	0	0	32
20.	TIRUVALLUR	4668	82	25	7	150	247	5179
21.	TIRUVARUR	8232	2643	312	23	81	22	11313
22.	TRICHIRAPPALLI	573	173	3	0	0	0	749
23.	VILLUPURAM	4675	839	153	2	169	26	5864
* State Total :		48616	23426	2896	163	673	470	76244

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell 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	57	14	450	177	75	773
2.	CUDDALORE	950	333	19486	253	580	21602
3.	DHARMAPURI	0	0	77	0	0	77
4.	DINDIGUL	1	0	234	64	43	342
5.	ERODE	0	0	179	0	1	180
6.	KANCHIPURAM	177	45	3490	69	57	3838
7.	KANNIYAKUMARI	14	0	41	0	0	55
8.	KARUR	0	0	284	0	17	301
9.	MADURAI	32	1	16	0	0	49
10.	NAGAPATTINAM	82	204	1839	47	73	2245
11.	NAMAKKAL	0	0	21	0	15	36
12.	PERAMBALUR	331	88	1682	48	1160	3309
13.	PUDUKOTTAI	7	2	585	1	1	596
14.	RAMNATHAPURAM	3	20	266	1	1	291
15.	SALEM	50	0	0	49	48	147
16.	SIVAGANGA	0	4	34	0	0	38
17.	THANJAVUR	583	94	17718	48	460	18903
18.	THENI	40	0	325	21	9	395
19.	TIRUNELVELI	0	4	33	1	0	38
20.	TIRUVALLUR	80	118	4713	103	165	5179
21.	TIRUVARUR	85	36	10072	392	728	11313
22.	TRICHIRAPPALLI	71	49	624	1	4	749
23.	VILLUPURAM	433	27	4827	123	455	5865
* State Total :		2996	1039	66996	1398	3892	76321

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : TAMIL NADU	(in Nos.)
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State : TAMIL NADU	(in Nos.)
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Sl. No.	Name of District	According to Water Lifting Devices for Tubewell						Total (3 to 8)
		Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	
1	2	3	4	5	6	7	8	9
1.	COIMBATORE	738	32	0	0	3	0	773
2.	CUDDALORE	20392	726	96	7	258	123	21602
3.	DHARMAPURI	39	33	0	0	2	3	77
4.	DINDIGUL	316	8	0	0	17	1	342
5.	ERODE	168	10	0	0	2	0	180
6.	KANCHIPURAM	3229	366	10	3	230	0	3838
7.	KANNIYAKUMARI	14	41	0	0	0	0	55
8.	KARUR	245	56	0	0	0	0	301
9.	MADURAI	26	23	0	0	0	0	49
10.	NAGAPATTINAM	1810	263	0	0	172	0	2245
11.	NAMAKKAL	36	0	0	0	0	0	36
12.	PERAMBALUR	1699	750	0	0	193	667	3309
13.	PUDUKOTTAI	325	192	5	41	33	0	596
14.	RAMNATHAPURAM	141	133	9	0	1	7	291
15.	SALEM	143	4	0	0	0	0	147
16.	SIVAGANGA	12	16	10	0	0	0	38
17.	THANJAVUR	9395	9320	21	41	91	35	18903
18.	THENI	346	37	0	0	0	12	395
19.	TIRUNELVELI	24	9	2	0	1	2	38
20.	TIRUVALUR	4803	210	0	0	86	80	5179
21.	TIRUVARUR	6699	4577	7	2	24	4	11313
22.	TRICHIRAPPALLI	487	216	0	1	18	27	749
23.	VILLUPURAM	4535	897	5	4	346	78	5865
* State Total :		55622	17919	165	99	1477	1039	76321

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : TAMIL NADU (in Nos.)

State : TAMIL NADU (in Nos.)

		According to horse power of lifting devices							
Sl.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above	Unspecified	Total
1	Alwar	1	1	1	1	1	1	1	7
2	Bharatpur	1	1	1	1	1	1	1	7
3	Bikaner	1	1	1	1	1	1	1	7
4	Bhilai	1	1	1	1	1	1	1	7
5	Bhilai	1	1	1	1	1	1	1	7
6	Bhilai	1	1	1	1	1	1	1	7
7	Bhilai	1	1	1	1	1	1	1	7
8	Bhilai	1	1	1	1	1	1	1	7
9	Bhilai	1	1	1	1	1	1	1	7
10	Bhilai	1	1	1	1	1	1	1	7
11	Bhilai	1	1	1	1	1	1	1	7
12	Bhilai	1	1	1	1	1	1	1	7
13	Bhilai	1	1	1	1	1	1	1	7
14	Bhilai	1	1	1	1	1	1	1	7
15	Bhilai	1	1	1	1	1	1	1	7
16	Bhilai	1	1	1	1	1	1	1	7
17	Bhilai	1	1	1	1	1	1	1	7
18	Bhilai	1	1	1	1	1	1	1	7
19	Bhilai	1	1	1	1	1	1	1	7
20	Bhilai	1	1	1	1	1	1	1	7
21	Bhilai	1	1	1	1	1	1	1	7
22	Bhilai	1	1	1	1	1	1	1	7
23	Bhilai	1	1	1	1	1	1	1	7
24	Bhilai	1	1	1	1	1	1	1	7
25	Bhilai	1	1	1	1	1	1	1	7
26	Bhilai	1	1	1	1	1	1	1	7
27	Bhilai	1	1	1	1	1	1	1	7
28	Bhilai	1	1	1	1	1	1	1	7
29	Bhilai	1	1	1	1	1	1	1	7
30	Bhilai	1	1	1	1	1	1	1	7
31	Bhilai	1	1	1	1	1	1	1	7
32	Bhilai	1	1	1	1	1	1	1	7
33	Bhilai	1	1	1	1	1	1	1	7
34	Bhilai	1	1	1	1	1	1	1	7
35	Bhilai	1	1	1	1	1	1	1	7
36	Bhilai	1	1	1	1	1	1	1	7
37	Bhilai	1	1	1	1	1	1	1	7
38	Bhilai	1	1	1	1	1	1	1	7
39	Bhilai	1	1	1	1	1	1	1	7
40	Bhilai	1	1	1	1	1	1	1	7
41	Bhilai	1	1	1	1	1	1	1	7
42	Bhilai	1	1	1	1	1	1	1	7
43	Bhilai	1	1	1	1	1	1	1	7
44	Bhilai	1	1	1	1	1	1	1	7
45	Bhilai	1	1	1	1	1	1	1	7
46	Bhilai	1	1	1	1	1	1	1	7
47	Bhilai	1	1	1	1	1	1	1	7
48	Bhilai	1	1	1	1	1	1	1	7
49	Bhilai	1	1	1	1	1	1	1	7
50	Bhilai	1	1	1	1	1	1	1	7
51	Bhilai	1	1	1	1	1	1	1	7

No.	10 hp hp = 0 (3 to 9)								
1	2	3	4	5	6	7	8	9	10
1.	COIMBATORE	6	102	317	201	130	14	3	773
2.	CUDDALORE	454	212	5388	6092	2843	6355	258	21602
3.	DHARMAPURI	0	3	40	32	0	0	2	77
4.	DINDIGUL	1	13	280	30	1	0	17	342
5.	ERODE	5	0	112	60	1	0	2	180
6.	KANCHIPURAM	31	1996	1478	89	10	4	230	3838
7.	KANNIYAKUMARI	14	0	41	0	0	0	0	55
8.	KARUR	299	0	0	0	0	0	2	301
9.	MADURAI	4	2	43	0	0	0	0	49
10.	NAGAPATTINAM	57	6	1862	144	1	3	172	2245
11.	NAMAKKAL	1	0	35	0	0	0	0	36
12.	PERAMBALUR	4	13	1756	1103	185	55	193	3309
13.	PUDUKOTTAI	4	78	410	45	24	2	33	596
14.	RAMNATHAPURAM	10	48	230	2	0	0	1	291
15.	SALEM	0	1	136	10	0	0	0	147
16.	SIVAGANGA	1	2	25	10	0	0	0	38
17.	THANJAVUR	67	30	10305	8044	210	143	104	18903
18.	THENI	29	18	297	45	4	2	0	395
19.	TIRUNELVELI	3	18	14	0	2	0	1	38
20.	TIRUVALLUR	65	104	1535	1219	780	1390	86	5179
21.	TIRUVARUR	35	136	9347	1597	62	25	111	11313
22.	TRICHIRAPPALLI	2	13	498	189	27	2	18	749
23.	VILLUPURAM	92	535	3284	925	343	340	346	5865
* State Total :		1184	3330	37433	19837	4623	8335	1579	76321

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : TAMIL NADU		(in Nos.)									
Sl. No.	Name of District	Location of Tubewell			According to Average Pumping Hours during peak season						
		On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	COIMBATORE	35	738	773	442	236	73	21	1	0	773
2.	CUDDALORE	8392	13210	21602	2371	6836	5746	5455	1023	171	21602
3.	DHARMAPURI	0	77	77	72	3	2	0	0	0	77
4.	DINDIGUL	23	319	342	237	90	15	0	0	0	342

5.	ERODE	69	111	180	109	66	3	2	0	0	180
6.	KANCHIPURAM	1763	2075	3838	1948	1199	620	40	31	0	3838
7.	KANNIYAKUMARI	0	55	55	55	0	0	0	0	0	55
8.	KARUR	0	301	301	133	168	0	0	0	0	301
9.	MADURAI	17	32	49	38	5	6	0	0	0	49
10.	NAGAPATTINAM	392	1853	2245	140	1465	365	81	191	3	2245
11.	NAMAKKAL	0	36	36	36	0	0	0	0	0	36
12.	PERAMBALUR	21	3288	3309	1415	1639	235	6	13	1	3309
13.	PUDUKOTTAI	29	567	596	186	325	85	0	0	0	596
14.	RAMNATHAPURAM	67	224	291	83	138	47	7	5	11	291
15.	SALEM	0	147	147	124	22	0	0	0	1	147
16.	SIVAGANGA	7	31	38	15	15	8	0	0	0	38
17.	THANJAVUR	17351	1552	18903	2489	9420	5466	803	505	220	18903
18.	THENI	131	264	395	240	79	9	1	0	66	395
19.	TIRUNELVELI	0	38	38	31	7	0	0	0	0	38
20.	TIRUVALLUR	1139	4040	5179	492	2587	1288	631	127	54	5179
21.	TIRUVARUR	9893	1420	11313	1369	5081	2917	637	1173	136	11313
22.	TRICHIRAPPALLI	118	631	749	341	338	70	0	0	0	749
23.	VILLUPURAM	1414	4451	5865	2378	2657	615	80	31	104	5865

* State Total :		40861	35460	76321	14744	32376	17570	7764	3100	767	76321

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 Average length of Water Conveyance Channel

State : TAMIL NADU			(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.	COIMBATORE	773	3	17	19
2.	CUDDALORE	21602	24	51	5
3.	DHARMAPURI	77	0	54	0
4.	DINDIGUL	342	22	12	20
5.	ERODE	180	60	28	1
6.	KANCHIPURAM	3838	4	59	2
7.	KANNIYAKUMARI	55	26	0	0
8.	KARUR	301	3	88	2
9.	MADURAI	49	4	0	1
10.	NAGAPATTINAM	2245	16	9	0
11.	NAMAKKAL	36	17	0	0

12.	PERAMBALUR	3309	28	15	3
13.	PUDUKOTTAI	596	15	54	2
14.	RAMNATHAPURAM	291	19	109	9
15.	SALEM	147	39	0	15
16.	SIVAGANGA	38	51	28	0
17.	THANJAVUR	18903	16	36	1
18.	THENI	395	15	33	4
19.	TIRUNELVELI	38	21	14	1
20.	TIRUVALLUR	5179	4	68	15
21.	TIRUVARUR	11313	19	24	0
22.	TRICHIRAPPALLI	749	0	18	15
23.	VILLUPURAM	5865	25	38	10

* State Average:		76321	20	39	7

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 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	964	622	137	153	114	1026
2.	CUDDALORE	36272	18851	15794	3934	6439	45018
3.	DHARMAPURI	244	219	3	22	0	244
4.	DINDIGUL	217	174	113	42	9	338
5.	ERODE	163	76	49	12	31	168
6.	KANCHIPURAM	23346	19849	3384	3572	1090	27895
7.	KANNIYAKUMARI	14	2	2	12	0	16
8.	KARUR	290	170	73	55	15	313
9.	MADURAI	485	485	0	0	485	970
10.	NAGAPATTINAM	2896	1639	2022	106	258	4025
11.	NAMAKKAL	31	31	0	0	0	31
12.	PERAMBALUR	8763	3987	4964	356	44	9351
13.	PUDUKOTTAI	586	331	281	19	0	631
14.	RAMNATHAPURAM	440	137	233	61	15	446
15.	SALEM	134	183	7	0	0	190
16.	SIVAGANGA	84	16	45	19	3	83
17.	THANJAVUR	33027	32986	17028	6787	2706	59507
18.	THENI	341	155	28	209	15	407
19.	TIRUNELVELI	38	21	19	7	0	47

20.	TIRUVALLUR	9720	7024	4072	798	214	12108
21.	TIRUVARUR	16035	11918	9878	659	361	22816
22.	TRICHIRAPPALLI	6792	3548	2805	995	516	7864
23.	VILLUPURAM	7438	2905	3472	1438	1203	9018
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* State Total :		148320	105329	64409	19256	13518	202512
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* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : TAMIL NADU

(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.	COIMBATORE	298	50	113	21	482
2.	CUDDALORE	17147	14163	3601	5283	40194
3.	DHARMAPURI	156	1	22	1	180
4.	DINDIGUL	107	75	41	3	226
5.	ERODE	49	30	7	2	88
6.	KANCHIPURAM	14344	2391	2321	98	19154
7.	KANNIYAKUMARI	2	2	12	0	16
8.	KARUR	17	0	14	0	31
9.	MADURAI	0	0	0	0	0
10.	NAGAPATTINAM	1274	1266	68	224	2832
11.	NAMAKKAL	12	0	0	0	12
12.	PERAMBALUR	2530	968	194	20	3712
13.	PUDUKOTTAI	275	240	16	0	531
14.	RAMNATHAPURAM	120	199	28	15	362
15.	SALEM	67	7	0	0	74
16.	SIVAGANGA	16	45	19	3	83
17.	THANJAVUR	27426	14580	6338	847	49191
18.	THENI	39	5	134	8	186
19.	TIRUNELVELI	18	18	7	0	43
20.	TIRUVALLUR	5868	3232	665	214	9979
21.	TIRUVARUR	10394	9576	593	349	20912
22.	TRICHIRAPPALLI	3183	1700	594	362	5839
23.	VILLUPURAM	2058	2273	950	215	5496
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* State Total :		85400	50821	15737	7665	159623
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* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 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	15	6	0	8	29
2.	CUDDALORE	325	739	288	441	1793
3.	DHARMAPURI	5	3	6	0	14
4.	DINDIGUL	0	2	0	0	2
5.	ERODE	27	0	5	1	33
6.	KANCHIPURAM	175	414	1529	36	2154
7.	KANNIYAKUMARI	0	0	0	0	0
8.	KARUR	0	0	0	0	0
9.	MADURAI	0	0	0	0	0
10.	NAGAPATTINAM	572	629	40	178	1419
11.	NAMAKKAL	12	0	0	0	12
12.	PERAMBALUR	49	384	0	1	434
13.	PUDUKOTTAI	0	1	0	0	1
14.	RAMNATHAPURAM	21	49	9	7	86
15.	SALEM	59	0	0	0	59
16.	SIVAGANGA	0	0	4	0	4
17.	THANJAVUR	20154	11507	3446	309	35416
18.	THENI	3	0	17	0	20
19.	TIRUNELVELI	0	0	0	0	0
20.	TIRUVALLUR	554	353	142	49	1098
21.	TIRUVARUR	9413	9199	149	284	19045
22.	TRICHIRAPPALLI	31	12	44	2	89
23.	VILLUPURAM	174	157	20	32	383
* State Total :		31589	23455	5699	1348	62091

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

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : TAMIL NADU

(in Nos.)

1	2	3	4	5	6	7	8	9	10	11
1.	DHALAI	16	10	11	5	7	5	0	4	58
2.	NORTH	2	0	0	0	0	0	0	3	5
3.	SOUTH	29	16	6	3	1	0	0	4	59
4.	WEST	7	0	1	0	1	2	0	3	14
State Total :		54	26	18	8	9	7	0	14	136

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 Distribution according to ownership

State : TRIPURA

(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.	DHALAI	3	0	0	1	54	0	58
2.	NORTH	0	0	0	0	5	0	5
3.	SOUTH	3	19	1	0	36	0	59
4.	WEST	2	0	0	0	12	0	14
State Total :		8	19	1	1	107	0	136

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell according to the holding size

State : TRIPURA

(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.	DHALAI	41	0	0	14	55
2.	NORTH	5	0	0	0	5
3.	SOUTH	31	3	0	2	36
4.	WEST	1	4	7	0	12

State Total : 78 7 7 16 108

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell according to social status

State : TRIPURA

(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.	DHALAI	15	15	25	55	3	58
2.	NORTH	0	0	5	5	0	5
3.	SOUTH	4	3	29	36	23	59
4.	WEST	4	0	8	12	2	14
State Total :		23	18	67	108	28	136

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : TRIPURA

(in Nos.)

Sl. No.	Name of District	Type of Tubewells				Total (3 to 6)
		Shallow	Filter	Borewell	Others	
1	2	3	4	5	6	7
1.	DHALAI	43	14	1	0	58
2.	NORTH	0	5	0	0	5
3.	SOUTH	55	1	3	0	59
4.	WEST	10	2	0	2	14
State Total :		108	22	4	2	136

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : TRIPURA		(in Nos.)							
Sl. No.	Name of District	T'Wells In Use	Tubewells Not in Use					Total (4 to 8)	Grand Total (3 + 9)
			Temporary	Abandoned (Salinity)	Dried up	Destroyed	Others		
1	2	3	4	5	6	7	8	9	10
1.	DHALAI	58	0	0	0	0	0	0	58
2.	NORTH	5	0	0	0	0	0	0	5
3.	SOUTH	38	0	0	0	0	21	21	59
4.	WEST	12	0	0	0	1	1	2	14
State Total :		113	0	0	0	1	22	23	136

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : TRIPURA		(in Nos.)						
Sl. No.	Name of District	Source of Finance for constructing Tubewell						Total (3 to 8)
		Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	
1	2	3	4	5	6	7	8	9
1.	DHALAI	29	0	1	25	0	0	55
2.	NORTH	2	3	0	0	0	0	5
3.	SOUTH	21	15	0	0	20	0	56
4.	WEST	1	8	1	2	0	0	12
State Total :		53	26	2	27	20	0	128

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell according to water distribution system

State : TRIPURA		(in Nos.)				
Sl. No.	Name of District	According to Water Distribution System				Total (3 to 7)
		Sprinkler	Drip Irri.	Open Channel	Under gr. Channel	

1	2	3	4	5	6	7	8
1.	DHALAI	0	1	57	0	0	58
2.	NORTH	0	0	5	0	0	5
3.	SOUTH	1	0	58	0	0	59
4.	WEST	2	0	10	2	0	14
State Total :		3	1	130	2	0	136

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : TRIPURA

(in Nos.)

According to Water Lifting Devices for Tubewell								
Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)
1	2	3	4	5	6	7	8	9
1.	DHALAI	0	0	0	0	58	0	58
2.	NORTH	0	0	0	0	5	0	5
3.	SOUTH	39	0	0	0	16	4	59
4.	WEST	13	1	0	0	0	0	14
State Total :		52	1	0	0	79	4	136

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : TRIPURA

(in Nos.)

According to horse power of lifting devices									
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
1.	DHALAI	0	0	0	0	0	0	58	58
2.	NORTH	0	0	0	0	0	0	5	5
3.	SOUTH	2	21	20	0	0	0	16	59
4.	WEST	0	3	9	0	2	0	0	14

State Total : 2 24 29 0 2 0 79 136

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : TRIPURA

(in Nos.)

Sl. No.	Name of District	Location of Tubewell			According to Average Pumping Hours during peak season						
		On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	DHALAI	0	58	58	40	17	1	0	0	0	58
2.	NORTH	0	5	5	0	0	0	0	0	5	5
3.	SOUTH	0	59	59	57	2	0	0	0	0	59
4.	WEST	0	14	14	1	12	0	0	0	1	14
State Total :		0	136	136	98	31	1	0	0	6	136

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 Average length of Water Conveyance Channel

State : TRIPURA

(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.	DHALAI	58	16	29	0
2.	NORTH	5	0	220	0
3.	SOUTH	59	0	162	0
4.	WEST	14	0	165	8
State Average:		136	16	144	8

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : TRIPURA		(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.	DHALAI	230	221	44	1	15	281
2.	NORTH	1	1	1	0	0	2
3.	SOUTH	137	83	70	3	1	157
4.	WEST	138	52	97	0	0	149
State Total :		506	357	212	4	16	589

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.14 Irrigation Potential Utilised

State : TRIPURA		(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.	DHALAI	220	42	1	15	278
2.	NORTH	1	1	0	0	2
3.	SOUTH	43	31	2	0	76
4.	WEST	2	41	0	0	43
State Total :		266	115	3	15	399

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.15 Irrigation through supplimentary sources

State : TRIPURA		(in Ha.)				
Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Khariif	Rabi	Perenial	Others	Total
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
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MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : TRIPURA

(in Nos.)

Sl. No.	Name of District	No. of T'wells in use	No. of T'wells with no cons'nts	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.	DHALAI	58	58	0	0	0	0	0	58
2.	NORTH	5	5	0	0	0	0	0	5
3.	SOUTH	38	4	34	0	0	0	34	38
4.	WEST	12	8	0	2	2	0	4	12
-----		-----							
State Total :		113	75	34	2	2	0	38	113
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MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.1 Construction of Tubewell over the year

State : UTTAR PRADESH

(in Nos.)

Sl. No.	Name of District	Construction of 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.	AGRA	13817	5095	4211	3557	6436	2214	8	11	35349
2.	ALIGARH	21025	5149	5056	4461	4484	3422	2695	2833	49125
3.	ALLAHABAD	8673	2519	2785	2951	3243	2628	2440	2486	27725
4.	AMBEDKAR NAGAR	13570	3249	2833	3391	3658	3195	2765	2970	35631
5.	AZAMGARH	9654	2758	3378	2993	2872	2338	2174	2376	28543
6.	BADAUN	12086	5319	5068	6493	6680	6536	5752	6192	54126

7.	BAHRAICH	12480	5173	5367	6454	7002	6662	5268	4576	52982
8.	BALLIA	7585	2740	2879	2290	2788	1978	1765	1476	23501
9.	BANDA	1128	234	396	517	1012	1045	974	856	6162
10.	BARABANKI	9225	2495	2689	3297	4359	3489	3546	4143	33243
11.	BAREILLY	9135	4030	4733	5852	6866	6097	5677	6224	48614
12.	BASTI	13088	4640	5091	5161	5864	4509	3865	4033	46251
13.	BIJNOR	23516	8481	6988	5208	4528	4552	3340	4298	60911
14.	BULANDSHAHR	19330	4576	4376	3945	4637	3676	2393	2102	45035
15.	DEHRADUN	135	51	38	38	61	43	47	45	458
16.	DEORIA	12402	2967	3366	3945	3924	3153	2787	2566	35110
17.	ETAH	11761	4234	4303	4230	5126	4443	4028	3872	41997
18.	ETAWAH	8256	3174	3045	3078	3942	2820	2432	2986	29733
19.	FAIZABAD	9565	2114	2023	2755	3704	3065	3213	4242	30681
20.	FARUKHABAD	16440	5229	4254	5283	5509	4795	3655	4794	49959
21.	FATEHPUR	3859	1009	1165	1156	1472	1143	1041	1669	12514
22.	FIROZABAD	6115	1806	1878	2180	2267	2113	1768	2263	20390
23.	GHAZIABAD	13216	3623	3350	2620	2609	1965	1811	1993	31187
24.	GHAZIPUR	9412	1503	2041	2113	1600	1198	1048	1210	20125
25.	GONDA	13368	5353	4854	6366	6513	5555	5105	4376	51490
26.	GORAKHPUR	13383	4628	4603	5937	5645	4333	4260	3495	46284
27.	HAMIRPUR	1388	696	841	841	982	865	827	1032	7472
28.	HARDOI	6885	3905	4481	5831	6755	5396	5513	4694	43460
29.	HARDWAR	11553	2769	1917	1614	1915	1195	1153	1214	23330
30.	JALAUN	853	304	419	384	590	705	874	1154	5283
31.	JAUNPUR	18491	5984	5777	5880	6619	4829	4002	4443	56025
32.	JHANSI	291	200	80	49	93	122	128	134	1097
33.	KANPUR DEHAT	11717	3489	2900	3025	3748	3282	2772	2507	33440
34.	KANPUR NAGAR	2429	636	977	815	846	713	610	748	7774
35.	KHIRI	13632	6023	6007	6234	7154	6054	5602	8105	58811
36.	KUSHI NAGAR	5946	2202	2615	3105	3994	3306	3284	3397	27849
37.	LALITPUR	126	102	19	17	9	12	1	0	286
38.	LUCKNOW	6442	1614	1897	2088	2432	2741	2251	2964	22429
39.	MAHOBA	20	3	5	28	24	22	24	47	173
40.	MAHRAJGANJ	7273	3039	3325	3284	3758	3514	3086	3145	30424
41.	MAINPURI	5381	1975	1513	3190	2260	1704	1391	2611	20025
42.	MATHURA	10531	3773	3798	4494	11218	4492	190	179	38675
43.	MAU	4642	957	1055	934	1031	685	689	707	10700
44.	MEERUT	33559	5553	3707	2745	2347	1868	1676	1691	53146
45.	MIRZAPUR	650	181	200	230	259	197	208	232	2157
46.	MORADABAD	10748	7277	8721	10589	9520	9844	7367	4663	68729
47.	MUZAFFER NAGAR	32500	7102	6175	5033	4181	3196	2551	1917	62655
48.	NAINITAL	23	26	25	28	21	26	26	11	186
49.	PILIBHIT	6668	3868	3619	3135	2974	2732	2089	1694	26779
50.	PRATAPGARH	9776	1765	15147	2524	2922	2353	1992	1728	38207
51.	RAEBARELY	10719	2987	3468	3933	4885	4446	4450	4824	39712
52.	RAMPUR	11021	5921	5770	6861	4434	4135	2668	5003	45813
53.	SAHARANPUR	26213	7748	5346	4801	4008	3187	2444	1666	55413
54.	SANT RAVIDAS NAGAR	4030	683	538	540	516	308	294	360	7269
55.	SHAHJAHANPUR	18388	8709	8211	8544	8685	8120	7508	6630	74795
56.	SIDDHARTH NAGAR	4901	2235	2660	2552	3074	2674	2184	2409	22689
57.	SITAPUR	11724	5463	5677	6614	8001	7068	6269	7238	58054

58.	SONBHADRA	214	111	161	195	178	120	138	123	1240
59.	SULTANPUR	8465	3100	3406	3446	4166	3412	3339	3242	32576
60.	UDHAMSINGH NAGAR	8762	3259	3065	2258	1892	1383	970	851	22440
61.	UNNAO	9222	4160	3977	4858	5914	5681	5807	8141	47760
62.	VARANASI	9354	1692	1835	1262	1231	1012	855	1326	18567
* State Total :		616761	201660	210104	208232	229437	188366	159089	168917	1982566

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.2 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	0	0	0	130	35219	0	35349
2.	ALIGARH	8	1	1	416	48694	5	49125
3.	ALLAHABAD	2	0	0	3	27720	0	27725
4.	AMBEDKAR NAGAR	0	0	0	0	35631	0	35631
5.	AZAMGARH	5	0	0	4	28534	0	28543
6.	BADAUN	35	4	3	17	54061	6	54126
7.	BAHRAICH	0	0	0	0	52982	0	52982
8.	BALLIA	9	0	4	2	23485	1	23501
9.	BANDA	2	0	1	0	6159	0	6162
10.	BARABANKI	2	0	0	2	33239	0	33243
11.	BAREILLY	2	3	1	1	48607	0	48614
12.	BASTI	0	0	0	0	46251	0	46251
13.	BIJNOR	21	3	1	1063	59821	2	60911
14.	BULANDSHAHR	0	0	0	149	44886	0	45035
15.	DEHRADUN	0	4	2	4	448	0	458
16.	DEORIA	0	0	0	0	35109	1	35110
17.	ETAH	13	1	4	0	41978	1	41997
18.	ETAWAH	41	1	3	51	29637	0	29733
19.	FAIZABAD	0	0	0	0	30681	0	30681
20.	FARUKHABAD	12	1	2	1	49943	0	49959
21.	FATEHPUR	1	2	2	20	12489	0	12514
22.	FIROZABAD	0	1	0	7	20382	0	20390
23.	GHAZIABAD	0	2	1	138	31045	1	31187
24.	GHAZIPUR	58	3	4	1	20056	3	20125
25.	GONDA	0	0	0	0	51490	0	51490
26.	GORAKHPUR	0	0	0	0	46284	0	46284

27.	HAMIRPUR	1	0	0	6	7465	0	7472
28.	HARDOI	2	0	0	0	43458	0	43460
29.	HARDWAR	0	1	1	0	23328	0	23330
30.	JALAUN	1	0	0	2	5280	0	5283
31.	JAUNPUR	1	0	3	28	55992	1	56025
32.	JHANSI	1	0	4	15	1077	0	1097
33.	KANPUR DEHAT	36	0	218	1	33185	0	33440
34.	KANPUR NAGAR	0	0	0	0	7774	0	7774
35.	KHIRI	0	1	1	2	58807	0	58811
36.	KUSHI NAGAR	3	2	0	38	27805	1	27849
37.	LALITPUR	0	0	26	126	134	0	286
38.	LUCKNOW	0	1	0	0	22428	0	22429
39.	MAHOBA	1	0	0	0	172	0	173
40.	MAHRAJGANJ	2	1	1	0	30420	0	30424
41.	MAINPURI	13	0	0	150	19861	1	20025
42.	MATHURA	0	0	0	1307	37368	0	38675
43.	MAU	1	0	0	3	10696	0	10700
44.	MEERUT	13	2	0	2	53129	0	53146
45.	MIRZAPUR	6	0	5	0	2146	0	2157
46.	MORADABAD	12	3	5	0	68705	4	68729
47.	MUZAFFER NAGAR	11	9	1	1726	60907	1	62655
48.	NAINITAL	0	0	0	0	185	1	186
49.	PILIBHIT	13	0	0	0	26764	2	26779
50.	PRATAPGARH	4	0	2	2	38198	1	38207
51.	RAEBARELY	0	0	0	0	39712	0	39712
52.	RAMPUR	0	0	0	0	45813	0	45813
53.	SAHARANPUR	0	1	2	10	55400	0	55413
54.	SANT RAVIDAS NAGAR	3	1	2	0	7262	1	7269
55.	SHAHJAHANPUR	44	5	4	446	74293	3	74795
56.	SIDDHARTH NAGAR	165	39	4	1442	21035	4	22689
57.	SITAPUR	3	1	0	2	58046	2	58054
58.	SONBHADRA	0	0	0	1	1239	0	1240
59.	SULTANPUR	0	0	0	0	32576	0	32576
60.	UDHAMSINGH NAGAR	398	9	2	448	21559	24	22440
61.	UNNAO	0	0	0	0	47760	0	47760
62.	VARANASI	6	0	0	11	18550	0	18567

* State Total :	951	102	310	7777	1973360	66	1982566
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* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.3 Distribution of Tubewell 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	7089	8573	19405	282	35349
2.	ALIGARH	11296	16354	20726	734	49110
3.	ALLAHABAD	11345	10877	4916	585	27723
4.	AMBEDKAR NAGAR	17805	12723	4712	391	35631
5.	AZAMGARH	17290	8502	2595	151	28538
6.	BADAUN	22141	19474	11777	686	54078
7.	BAHRAICH	24789	17577	9815	801	52982
8.	BALLIA	13330	7327	2636	194	23487
9.	BANDA	644	2066	3023	426	6159
10.	BARABANKI	21073	9056	2936	176	33241
11.	BAREILLY	22403	15855	9903	447	48608
12.	BASTI	27472	13568	4650	561	46251
13.	BIJNOR	15259	22837	22001	787	60884
14.	BULANDSHAHR	11913	16585	15741	796	45035
15.	DEHRADUN	195	90	160	7	452
16.	DEORIA	22065	10203	2652	189	35109
17.	ETAH	14019	16793	10723	443	41978
18.	ETAWAH	11307	11175	6854	352	29688
19.	FAIZABAD	19542	8534	2276	329	30681
20.	FARUKHABAD	19324	18767	10885	968	49944
21.	FATEHPUR	3350	4743	4112	304	12509
22.	FIROZABAD	5061	7952	7198	178	20389
23.	GHAZIABAD	11700	11260	7738	485	31183
24.	GHAZIPUR	8924	7079	3791	263	20057
25.	GONDA	30844	13474	6846	326	51490
26.	GORAKHPUR	33666	8414	2594	1610	46284
27.	HAMIRPUR	794	1967	3705	1005	7471
28.	HARDOI	20565	14053	8288	552	43458
29.	HARDWAR	9093	7395	6559	281	23328
30.	JALAUN	1545	1879	1614	244	5282
31.	JAUNPUR	33707	17804	4261	248	56020
32.	JHANSI	373	360	321	38	1092
33.	KANPUR DEHAT	7515	4315	19642	1714	33186
34.	KANPUR NAGAR	6	0	0	7768	7774
35.	KHIRI	26553	18807	12627	822	58809
36.	KUSHI NAGAR	18479	7091	2052	221	27843
37.	LALITPUR	15	105	104	36	260
38.	LUCKNOW	11608	7559	2887	374	22428
39.	MAHOBA	31	65	71	5	172
40.	MAHRAJGANJ	19455	8137	2520	308	30420
41.	MAINPURI	6693	8395	4828	95	20011
42.	MATHURA	7586	12469	18462	158	38675
43.	MAU	4606	4482	1537	74	10699
44.	MEERUT	14068	19713	18747	603	53131
45.	MIRZAPUR	756	948	409	33	2146
46.	MORADABAD	24916	25721	17182	886	68705

47.	MUZAFFER NAGAR	20119	21763	20279	472	62633
48.	NAINITAL	50	76	59	0	185
49.	PILIBHIT	13328	8973	4198	265	26764
50.	PRATAPGARH	25883	6267	5920	130	38200
51.	RAEBARELY	19826	14008	5583	295	39712
52.	RAMPUR	24128	16160	5021	504	45813
53.	SAHARANPUR	16938	19507	17932	1033	55410
54.	SANT RAVIDAS NAGAR	2850	2876	1453	83	7262
55.	SHAHJAHANPUR	25877	28182	19206	1474	74739
56.	SIDDHARTH NAGAR	13094	6803	2358	222	22477
57.	SITAPUR	28230	18665	10201	952	58048
58.	SONBHADRA	360	453	365	62	1240
59.	SULTANPUR	20615	9420	2541	0	32576
60.	UDHAMSINGH NAGAR	7228	6498	7835	446	22007
61.	UNNAO	23866	16340	7018	536	47760
62.	VARANASI	7793	6742	3698	328	18561

* State Total : 862395 643856 440148 34738 1981137

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell 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	3024	197	32128	35349	0	35349
2.	ALIGARH	5196	758	43156	49110	15	49125
3.	ALLAHABAD	2605	399	24719	27723	2	27725
4.	AMBEDKAR NAGAR	3821	1975	29835	35631	0	35631
5.	AZAMGARH	4081	326	24131	28538	5	28543
6.	BADAUN	6433	422	47223	54078	48	54126
7.	BAHRAICH	7984	752	44246	52982	0	52982
8.	BALLIA	1552	172	21763	23487	14	23501
9.	BANDA	446	11	5702	6159	3	6162
10.	BARABANKI	9166	217	23858	33241	2	33243
11.	BAREILLY	6226	644	41738	48608	6	48614
12.	BASTI	5254	1036	39961	46251	0	46251
13.	BIJNOR	7330	994	52560	60884	27	60911
14.	BULANDSHAHR	4629	563	39843	45035	0	45035
15.	DEHRADUN	4	12	436	452	6	458

16.	DEORIA	2027	620	32462	35109	1	35110
17.	ETAH	3688	677	37613	41978	19	41997
18.	ETAWAH	4364	312	25012	29688	45	29733
19.	FAIZABAD	3444	192	27045	30681	0	30681
20.	FARUKHABAD	4425	424	45095	49944	15	49959
21.	FATEHPUR	956	85	11468	12509	5	12514
22.	FIROZABAD	2195	192	18002	20389	1	20390
23.	GHAZIABAD	2366	266	28551	31183	4	31187
24.	GHAZIPUR	2350	349	17358	20057	68	20125
25.	GONDA	6323	389	44778	51490	0	51490
26.	GORAKHPUR	4893	243	41148	46284	0	46284
27.	HAMIRPUR	705	102	6664	7471	1	7472
28.	HARDOI	12464	592	30402	43458	2	43460
29.	HARDWAR	3534	97	19697	23328	2	23330
30.	JALAUN	908	23	4351	5282	1	5283
31.	JAUNPUR	5973	494	49553	56020	5	56025
32.	JHANSI	243	8	841	1092	5	1097
33.	KANPUR DEHAT	1698	145	31343	33186	254	33440
34.	KANPUR NAGAR	6	0	7768	7774	0	7774
35.	KHIRI	15782	2107	40920	58809	2	58811
36.	KUSHI NAGAR	3447	92	24304	27843	6	27849
37.	LALITPUR	20	16	224	260	26	286
38.	LUCKNOW	7648	177	14603	22428	1	22429
39.	MAHOBA	26	1	145	172	1	173
40.	MAHRAJGANJ	3893	359	26168	30420	4	30424
41.	MAINPURI	2293	79	17639	20011	14	20025
42.	MATHURA	3890	791	33994	38675	0	38675
43.	MAU	1556	110	9033	10699	1	10700
44.	MEERUT	2959	518	49654	53131	15	53146
45.	MIRZAPUR	165	16	1965	2146	11	2157
46.	MORADABAD	10461	1420	56824	68705	24	68729
47.	MUZAFFER NAGAR	4762	357	57514	62633	22	62655
48.	NAINITAL	154	0	31	185	1	186
49.	PILIBHIT	4246	189	22329	26764	15	26779
50.	PRATAPGARH	1743	190	36267	38200	7	38207
51.	RAEBARELY	7151	457	32104	39712	0	39712
52.	RAMPUR	5270	98	40445	45813	0	45813
53.	SAHARANPUR	6854	1314	47242	55410	3	55413
54.	SANT RAVIDAS NAGAR	672	29	6561	7262	7	7269
55.	SHAHJAHANPUR	10269	1253	63217	74739	56	74795
56.	SIDDHARTH NAGAR	2810	373	19294	22477	212	22689
57.	SITAPUR	17383	837	39828	58048	6	58054
58.	SONBHADRA	81	9	1150	1240	0	1240
59.	SULTANPUR	3259	269	29048	32576	0	32576
60.	UDHAMSINGH NAGAR	1355	4143	16509	22007	433	22440
61.	UNNAO	11483	624	35653	47760	0	47760
62.	VARANASI	1566	324	16671	18561	6	18567

* State Total :	261511	29840	1689786	1981137	1429	1982566
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* Data in respect of the remaining 6 Districts are NIL.

MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : UTTAR PRADESH

(in Nos.)

Sl. No.	Name of District	Type of Tubewells				Total (3 to 6)
		Shallow	Filter	Borewell	Others	
1	2	3	4	5	6	7
1.	AGRA	34890	282	164	13	35349
2.	ALIGARH	47389	1088	505	143	49125
3.	ALLAHABAD	26362	328	749	286	27725
4.	AMBEDKAR NAGAR	34049	242	1267	73	35631
5.	AZAMGARH	27612	133	726	72	28543
6.	BADAUN	53649	475	1	1	54126
7.	BAHRAICH	52182	157	329	314	52982
8.	BALLIA	21973	309	865	354	23501
9.	BANDA	5706	55	335	66	6162
10.	BARABANKI	31969	204	889	181	33243
11.	BAREILLY	47556	214	427	417	48614
12.	BASTI	46251	0	0	0	46251
13.	BIJNOR	55732	2564	1361	1254	60911
14.	BULANDSHAHR	45035	0	0	0	45035
15.	DEHRADUN	421	0	35	2	458
16.	DEORIA	34242	150	623	95	35110
17.	ETAH	38848	489	2374	286	41997
18.	ETAWAH	29172	329	136	96	29733
19.	FAIZABAD	28446	2108	112	15	30681
20.	FARUKHABAD	44954	2018	2723	264	49959
21.	FATEHPUR	10877	409	1198	30	12514
22.	FIROZABAD	19208	499	682	1	20390
23.	GHAZIABAD	27404	1015	2716	52	31187
24.	GHAZIPUR	19570	124	188	243	20125
25.	GONDA	50546	666	215	63	51490
26.	GORAKHPUR	42085	619	830	2750	46284
27.	HAMIRPUR	7196	104	159	13	7472
28.	HARDOI	41016	1000	1321	123	43460
29.	HARDWAR	21242	898	1171	19	23330
30.	JALAUN	4874	101	243	65	5283
31.	JAUNPUR	52101	405	3218	301	56025
32.	JHANSI	823	120	140	14	1097
33.	KANPUR DEHAT	32253	720	407	60	33440

34.	KANPUR NAGAR	7756	11	3	4	7774
35.	KHIRI	54387	1061	3036	327	58811
36.	KUSHI NAGAR	26318	176	697	658	27849
37.	LALITPUR	261	25	0	0	286
38.	LUCKNOW	20436	546	911	536	22429
39.	MAHOBA	173	0	0	0	173
40.	MAHRAJGANJ	29739	97	537	51	30424
41.	MAINPURI	19517	137	270	101	20025
42.	MATHURA	35788	1495	1139	253	38675
43.	MAU	10062	500	108	30	10700
44.	MEERUT	49178	1880	1933	155	53146
45.	MIRZAPUR	1650	7	434	66	2157
46.	MORADABAD	67641	741	146	201	68729
47.	MUZAFFER NAGAR	61480	529	474	172	62655
48.	NAINITAL	156	0	0	30	186
49.	PILIBHIT	25745	92	52	890	26779
50.	PRATAPGARH	24662	80	13451	14	38207
51.	RAEBARELY	38824	421	261	206	39712
52.	RAMPUR	45793	8	6	6	45813
53.	SAHARANPUR	46954	2139	6000	320	55413
54.	SANT RAVIDAS NAGAR	6735	8	522	4	7269
55.	SHAHJAHANPUR	72469	993	1305	28	74795
56.	SIDDHARTH NAGAR	21809	583	190	107	22689
57.	SITAPUR	51474	1511	2981	2088	58054
58.	SONBHADRA	1067	27	135	11	1240
59.	SULTANPUR	31391	773	363	49	32576
60.	UDHAMSINGH NAGAR	21725	186	413	116	22440
61.	UNNAO	47760	0	0	0	47760
62.	VARANASI	17870	162	375	160	18567

* State Total :		1874453	32013	61851	14249	1982566

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : UTTAR PRADESH

(in Nos.)

Sl. No.	Name of District	T'Wells In Use	Tubewells Not in Use				Total (4 to 8)	Grand Total (3 + 9)
			Temporary	Abandoned (Salinity)	Dried up	Destroyed	Others	
1	2	3	4	5	6	7	8	9
1.	AGRA	35349	0	0	0	0	0	35349
2.	ALIGARH	49123	2	0	0	0	0	49125
3.	ALLAHABAD	27368	113	99	103	23	19	27725

4.	AMBEDKAR NAGAR	34577	120	19	1	914	0	1054	35631
5.	AZAMGARH	28543	0	0	0	0	0	0	28543
6.	BADAUN	54126	0	0	0	0	0	0	54126
7.	BAHRAICH	52298	75	66	28	511	4	684	52982
8.	BALLIA	22983	175	116	110	16	101	518	23501
9.	BANDA	6155	6	1	0	0	0	7	6162
10.	BARABANKI	32757	219	179	70	12	6	486	33243
11.	BAREILLY	48614	0	0	0	0	0	0	48614
12.	BASTI	46251	0	0	0	0	0	0	46251
13.	BIJNOR	59894	736	237	29	6	9	1017	60911
14.	BULANDSHAHR	45035	0	0	0	0	0	0	45035
15.	DEHRADUN	435	8	3	0	1	11	23	458
16.	DEORIA	34971	18	29	9	0	83	139	35110
17.	ETAH	41738	103	92	36	6	22	259	41997
18.	ETAWAH	29593	66	10	22	3	39	140	29733
19.	FAIZABAD	30527	45	75	32	2	0	154	30681
20.	FARUKHABAD	49959	0	0	0	0	0	0	49959
21.	FATEHPUR	12230	81	89	97	1	16	284	12514
22.	FIROZABAD	19703	30	642	11	1	3	687	20390
23.	GHAZIABAD	31145	35	3	4	0	0	42	31187
24.	GHAZIPUR	19952	42	99	18	7	7	173	20125
25.	GONDA	50716	614	71	56	32	1	774	51490
26.	GORAKHPUR	45615	4	15	642	3	5	669	46284
27.	HAMIRPUR	7290	98	51	10	2	21	182	7472
28.	HARDOI	43460	0	0	0	0	0	0	43460
29.	HARDWAR	23140	30	15	112	26	7	190	23330
30.	JALAUN	5181	70	27	1	1	3	102	5283
31.	JAUNPUR	55634	110	167	36	71	7	391	56025
32.	JHANSI	1081	3	12	1	0	0	16	1097
33.	KANPUR DEHAT	33440	0	0	0	0	0	0	33440
34.	KANPUR NAGAR	7774	0	0	0	0	0	0	7774
35.	KHIRI	58578	132	66	25	4	6	233	58811
36.	KUSHI NAGAR	27651	96	45	26	11	20	198	27849
37.	LALITPUR	286	0	0	0	0	0	0	286
38.	LUCKNOW	22429	0	0	0	0	0	0	22429
39.	MAHOBA	173	0	0	0	0	0	0	173
40.	MAHRAJGANJ	30237	54	48	67	6	12	187	30424
41.	MAINPURI	19943	77	3	1	0	1	82	20025
42.	MATHURA	38675	0	0	0	0	0	0	38675
43.	MAU	10700	0	0	0	0	0	0	10700
44.	MEERUT	53146	0	0	0	0	0	0	53146
45.	MIRZAPUR	2139	4	6	1	1	6	18	2157
46.	MORADABAD	68588	68	49	6	3	15	141	68729
47.	MUZAFFER NAGAR	62631	19	3	2	0	0	24	62655
48.	NAINITAL	184	2	0	0	0	0	2	186
49.	PILIBHIT	26674	41	30	22	9	3	105	26779
50.	PRATAPGARH	38152	38	13	1	0	3	55	38207
51.	RAEBARELY	39712	0	0	0	0	0	0	39712
52.	RAMPUR	45790	0	0	15	0	8	23	45813
53.	SAHARANPUR	55413	0	0	0	0	0	0	55413
54.	SANT RAVIDAS NAGAR	7202	42	20	1	0	4	67	7269

55.	SHAHJAHANPUR	74687	48	30	10	13	7	108	74795
56.	SIDDHARTH NAGAR	22689	0	0	0	0	0	0	22689
57.	SITAPUR	58053	1	0	0	0	0	1	58054
58.	SONBHADRA	1238	0	2	0	0	0	2	1240
59.	SULTANPUR	32129	250	52	19	111	15	447	32576
60.	UDHAMSINGH NAGAR	22224	133	61	11	2	9	216	22440
61.	UNNAO	47760	0	0	0	0	0	0	47760
62.	VARANASI	18400	74	72	3	11	7	167	18567

* State Total :		1972140	3882	2617	1638	1809	480	10426	1982566

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : UTTAR PRADESH

(in Nos.)

Source of Finance for constructing Tubewell								

Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	Total (3 to 8)

1	2	3	4	5	6	7	8	9

1.	AGRA	1526	23596	5823	4380	22	2	35349
2.	ALIGARH	2728	27544	12178	6570	38	59	49117
3.	ALLAHABAD	1508	10344	5916	9847	37	71	27723
4.	AMBEDKAR NAGAR	1631	19321	2950	11707	22	0	35631
5.	AZAMGARH	655	11635	3374	12116	33	725	28538
6.	BADAUN	1634	26523	11462	13847	487	138	54091
7.	BAHRAICH	816	31989	2717	16319	1141	0	52982
8.	BALLIA	419	4105	3533	15209	95	131	23492
9.	BANDA	1214	2801	1647	419	4	75	6160
10.	BARABANKI	1744	15610	3846	11841	159	41	33241
11.	BAREILLY	1809	21114	6995	17949	674	71	48612
12.	BASTI	1810	15755	6731	21460	317	178	46251
13.	BIJNOR	5818	43713	7578	3281	266	234	60890
14.	BULANDSHAHR	2038	18658	22730	1478	98	33	45035
15.	DEHRADUN	85	200	3	62	108	0	458
16.	DEORIA	1052	9171	5785	18029	1016	57	35110
17.	ETAH	3333	21073	7680	9799	86	13	41984
18.	ETAWAH	1037	11518	4975	11807	38	317	29692
19.	FAIZABAD	1264	17534	2826	8974	81	2	30681
20.	FARUKHABAD	2816	27466	9208	9934	195	328	49947
21.	FATEHPUR	687	6263	2699	2771	11	82	12513
22.	FIROZABAD	1413	11582	4208	3112	34	41	20390
23.	GHAZIABAD	2587	21321	3119	4075	60	25	31187

24. GHAZIPUR	1541	6398	5860	5883	199	186	20067
25. GONDA	1134	20741	5111	24139	341	24	51490
26. GORAKHPUR	838	9491	7610	27941	377	27	46284
27. HAMIRPUR	444	2618	3394	1006	4	5	7471
28. HARDOI	1744	17723	5027	18147	676	141	43458
29. HARDWAR	426	18881	1205	2249	194	375	23330
30. JALAUN	1050	1815	1198	1154	59	6	5282
31. JAUNPUR	1974	12098	13137	28691	59	65	56024
32. JHANSI	410	347	139	190	6	4	1096
33. KANPUR DEHAT	1427	12711	6912	10534	77	1743	33404
34. KANPUR NAGAR	73	3671	828	2404	1	797	7774
35. KHIRI	4246	28243	7553	17897	760	112	58811
36. KUSHI NAGAR	367	7531	1047	17862	775	264	27846
37. LALITPUR	286	0	0	0	0	0	286
38. LUCKNOW	1933	9112	2955	8387	29	13	22429
39. MAHOBA	27	63	29	36	17	0	172
40. MAHRAJGANJ	496	3970	1907	23789	229	31	30422
41. MAINPURI	772	11088	2330	5718	102	2	20012
42. MATHURA	1568	22814	8608	5485	199	1	38675
43. MAU	309	4464	1311	4438	32	145	10699
44. MEERUT	5677	40329	4825	2152	139	11	53133
45. MIRZAPUR	233	969	307	558	1	83	2151
46. MORADABAD	3133	55117	7036	3100	163	168	68717
47. MUZAFFER NAGAR	1878	48030	5608	6985	129	14	62644
48. NAINITAL	31	5	4	119	27	0	186
49. PILIBHIT	797	12683	7150	5068	1033	35	26766
50. PRATAPGARH	838	5830	5708	25784	21	22	38203
51. RAEBARELY	1552	11722	5473	20398	535	32	39712
52. RAMPUR	304	35096	3607	6543	263	0	45813
53. SAHARANPUR	4041	43220	3416	3655	809	272	55413
54. SANT RAVIDAS NAGAR	315	4417	1359	1066	13	96	7266
55. SHAHJAHANPUR	4098	44677	11288	12603	1845	240	74751
56. SIDDHARTH NAGAR	1337	8786	2011	10202	149	39	22524
57. SITAPUR	3414	30131	6126	16765	1579	36	58051
58. SONBHADRA	328	566	224	122	0	0	1240
59. SULTANPUR	475	5122	4082	22629	261	7	32576
60. UDHAMSINGH NAGAR	854	16443	2023	2533	142	47	22042
61. UNNAO	3145	23560	4269	16094	661	31	47760
62. VARANASI	1865	9054	4460	3127	40	15	18561

* State Total :	95004	988372	293120	580439	16968	7712	1981615

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell 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	56	668	33736	19	870	35349
2.	ALIGARH	379	401	48231	61	53	49125
3.	ALLAHABAD	157	289	26833	301	145	27725
4.	AMBEDKAR NAGAR	232	1872	31516	1948	63	35631
5.	AZAMGARH	126	99	27709	63	546	28543
6.	BADAUN	177	515	53217	168	49	54126
7.	BAHRAICH	37	490	51711	496	248	52982
8.	BALLIA	28	76	23156	173	68	23501
9.	BANDA	85	30	5884	24	139	6162
10.	BARABANKI	463	193	32415	120	52	33243
11.	BAREILLY	484	358	46274	251	1247	48614
12.	BASTI	1331	1177	42759	473	511	46251
13.	BIJNOR	790	1087	58044	305	685	60911
14.	BULANDSHAHR	114	707	43984	184	46	45035
15.	DEHRADUN	1	16	434	4	3	458
16.	DEORIA	103	136	34284	458	129	35110
17.	ETAH	606	4	41224	94	69	41997
18.	ETAWAH	154	157	29024	150	248	29733
19.	FAIZABAD	131	446	29805	23	276	30681
20.	FARUKHABAD	279	275	48283	590	532	49959
21.	FATEHPUR	34	76	11989	289	126	12514
22.	FIROZABAD	199	207	19832	14	138	20390
23.	GHAZIABAD	95	619	30291	158	24	31187
24.	GHAZIPUR	370	445	19075	71	164	20125
25.	GONDA	1342	352	49497	71	228	51490
26.	GORAKHPUR	224	667	41461	1689	2243	46284
27.	HAMIRPUR	16	372	6518	13	553	7472
28.	HARDOI	183	813	41993	230	241	43460
29.	HARDWAR	22	101	23100	13	94	23330
30.	JALAUN	61	108	5083	17	14	5283
31.	JAUNPUR	412	236	53895	162	1320	56025
32.	JHANSI	74	2	899	1	121	1097
33.	KANPUR DEHAT	141	647	32419	120	113	33440
34.	KANPUR NAGAR	293	150	7226	17	88	7774
35.	KHIRI	1224	1287	55473	252	575	58811
36.	KUSHI NAGAR	140	103	26248	266	1092	27849
37.	LALITPUR	0	0	286	0	0	286
38.	LUCKNOW	90	207	21416	51	665	22429
39.	MAHOBA	0	1	171	0	1	173
40.	MAHRAJGANJ	92	138	28714	169	1311	30424
41.	MAINPURI	162	1105	18726	32	0	20025
42.	MATHURA	19	143	37992	33	488	38675
43.	MAU	120	57	10347	8	168	10700

44.	MEERUT	113	307	52679	11	36	53146
45.	MIRZAPUR	2	4	2035	83	33	2157
46.	MORADABAD	618	458	67559	72	22	68729
47.	MUZAFFER NAGAR	181	126	62326	20	2	62655
48.	NAINITAL	0	0	186	0	0	186
49.	PILIBHIT	38	625	26051	46	19	26779
50.	PRATAPGARH	106	32	37872	39	158	38207
51.	RAEBARELY	376	276	38687	315	58	39712
52.	RAMPUR	0	493	45287	25	8	45813
53.	SAHARANPUR	447	834	52449	48	1635	55413
54.	SANT RAVIDAS NAGAR	128	38	7088	13	2	7269
55.	SHAHJAHANPUR	157	1929	64493	81	8135	74795
56.	SIDDHARTH NAGAR	707	489	20862	113	518	22689
57.	SITAPUR	1202	867	53586	212	2187	58054
58.	SONBHADRA	17	18	1199	6	0	1240
59.	SULTANPUR	31	379	31774	167	225	32576
60.	UDHAMSINGH NAGAR	331	215	20975	14	905	22440
61.	UNNAO	566	947	45261	367	619	47760
62.	VARANASI	478	406	17298	128	257	18567

* State Total :		16544	25275	1898841	11341	30565	1982566

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : UTTAR PRADESH

(in Nos.)

According to Water Lifting Devices for Tubewell								

Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)

1	2	3	4	5	6	7	8	9

1.	AGRA	6463	28823	0	0	0	63	35349
2.	ALIGARH	20398	28216	303	37	112	59	49125
3.	ALLAHABAD	7647	20078	0	0	0	0	27725
4.	AMBEDKAR NAGAR	4035	30772	775	13	2	34	35631
5.	AZAMGARH	0	28543	0	0	0	0	28543
6.	BADAUN	4650	48901	196	13	349	17	54126
7.	BAHRAICH	500	50250	92	0	12	2128	52982
8.	BALLIA	4700	18725	11	5	5	55	23501
9.	BANDA	517	5483	109	0	21	32	6162
10.	BARABANKI	929	31885	378	13	24	14	33243
11.	BAREILLY	1021	46961	91	7	445	89	48614
12.	BASTI	3080	42691	282	46	0	152	46251

13. BIJNOR	19995	40279	281	12	172	172	60911
14. BULANDSHAHR	17889	26974	60	4	0	108	45035
15. DEHRADUN	125	324	2	0	0	7	458
16. DEORIA	934	34058	86	3	0	29	35110
17. ETAH	146	41850	0	0	1	0	41997
18. ETAWAH	2020	27429	64	15	8	197	29733
19. FAIZABAD	8792	21783	38	35	11	22	30681
20. FARUKHABAD	6168	43476	225	7	0	83	49959
21. FATEHPUR	2593	9921	0	0	0	0	12514
22. FIROZABAD	7109	13090	134	1	51	5	20390
23. GHAZIABAD	13290	17747	41	2	30	77	31187
24. GHAZIPUR	9504	10259	224	39	92	7	20125
25. GONDA	671	50648	49	18	3	101	51490
26. GORAKHPUR	1436	44460	356	6	0	26	46284
27. HAMIRPUR	397	7067	6	2	0	0	7472
28. HARDOI	0	43460	0	0	0	0	43460
29. HARDWAR	3373	19338	261	1	8	349	23330
30. JALAU	171	5036	14	0	2	60	5283
31. JAUNPUR	14473	41297	220	9	21	5	56025
32. JHANSI	120	931	20	0	19	7	1097
33. KANPUR DEHAT	1287	31850	118	19	4	162	33440
34. KANPUR NAGAR	1899	5804	2	0	2	67	7774
35. KHIRI	3682	54702	165	23	12	227	58811
36. KUSHI NAGAR	42	27516	5	1	31	254	27849
37. LALITPUR	0	257	0	0	29	0	286
38. LUCKNOW	1814	20286	245	38	0	46	22429
39. MAHOBA	2	171	0	0	0	0	173
40. MAHRAJGANJ	214	29972	156	15	54	13	30424
41. MAINPURI	3217	16714	60	0	1	33	20025
42. MATHURA	4581	34069	0	0	0	25	38675
43. MAU	5166	5357	36	2	0	139	10700
44. MEERUT	32828	19780	208	3	62	265	53146
45. MIRZAPUR	634	1472	3	0	17	31	2157
46. MORADABAD	5027	62734	553	113	210	92	68729
47. MUZAFFER NAGAR	25387	36887	87	5	18	271	62655
48. NAINITAL	9	176	1	0	0	0	186
49. PILIBHIT	1067	25631	47	13	6	15	26779
50. PRATAPGARH	2897	35247	37	20	0	6	38207
51. RAEBARELY	5085	34264	339	10	0	14	39712
52. RAMPUR	3544	42254	0	0	8	7	45813
53. SAHARANPUR	16319	37427	48	14	0	1605	55413
54. SANT RAVIDAS NAGAR	5170	2046	11	0	18	24	7269
55. SHAHJAHANPUR	2908	71623	160	21	11	72	74795
56. SIDDHARTH NAGAR	948	21190	404	42	0	105	22689
57. SITAPUR	1413	56215	199	6	47	174	58054
58. SONBHADRA	107	1133	0	0	0	0	1240
59. SULTANPUR	0	0	177	32310	89	0	32576
60. UDHAMSINGH NAGAR	5330	17000	33	5	46	26	22440
61. UNNAO	2774	44499	85	342	0	60	47760
62. VARANASI	10481	7892	127	9	29	29	18567

* State Total : 306978 1624923 7624 33299 2082 7660 1982566

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : UTTAR PRADESH

(in Nos.)

		According to horse power of lifting devices								
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)	
1	2	3	4	5	6	7	8	9	10	
1.	AGRA	87	8	844	21040	13034	336	0	35349	
2.	ALIGARH	369	157	16316	21525	10343	303	112	49125	
3.	ALLAHABAD	123	32	1726	8229	17434	181	0	27725	
4.	AMBEDKAR NAGAR	86	856	3304	23986	7264	135	0	35631	
5.	AZAMGARH	11	67	173	27250	1010	32	0	28543	
6.	BADAUN	134	59	1962	36259	15037	326	349	54126	
7.	BAHRAICH	27	77	1545	47185	3935	213	0	52982	
8.	BALLIA	75	387	3906	14958	4125	45	5	23501	
9.	BANDA	149	0	244	2007	3718	23	21	6162	
10.	BARABANKI	362	74	1006	24995	6494	288	24	33243	
11.	BAREILLY	303	61	1886	35245	10301	373	445	48614	
12.	BASTI	626	444	6356	31770	6614	441	0	46251	
13.	BIJNOR	358	170	8958	34808	14842	1603	172	60911	
14.	BULANDSHAHR	298	70	12845	26759	3881	1182	0	45035	
15.	DEHRADUN	0	21	94	121	216	6	0	458	
16.	DEORIA	51	46	2956	29210	2210	637	0	35110	
17.	ETAH	238	50	895	31499	9127	187	1	41997	
18.	ETAWAH	336	32	389	12081	16605	282	8	29733	
19.	FAIZABAD	175	4968	4401	11637	9478	22	0	30681	
20.	FARUKHABAD	256	57	697	19994	28558	397	0	49959	
21.	FATEHPUR	296	4	502	1892	9671	149	0	12514	
22.	FIROZABAD	11	2	1099	12306	6886	35	51	20390	
23.	GHAZIABAD	176	49	9991	17469	2783	689	30	31187	
24.	GHAZIPUR	212	455	8575	10157	566	89	71	20125	
25.	GONDA	89	150	4820	42165	4220	46	0	51490	
26.	GORAKHPUR	12	25	1066	28183	131	16867	0	46284	
27.	HAMIRPUR	3	3	55	2970	4395	46	0	7472	
28.	HARDOI	0	0	0	43460	0	0	0	43460	
29.	HARDWAR	305	23	2001	16869	3301	823	8	23330	
30.	JALAUN	13	4	155	2495	2597	17	2	5283	
31.	JAUNPUR	89	777	13230	38459	3329	120	21	56025	
32.	JHANSI	3	38	299	686	39	13	19	1097	

33.	KANPUR DEHAT	226	18	469	16596	15925	202	4	33440		
34.	KANPUR NAGAR	18	4	1475	4525	1735	15	2	7774		
35.	KHIRI	600	1495	4618	33550	18367	169	12	58811		
36.	KUSHI NAGAR	202	43	1343	25896	291	74	0	27849		
37.	LALITPUR	0	0	0	256	0	1	29	286		
38.	LUCKNOW	49	18	1264	19618	1456	24	0	22429		
39.	MAHOBA	0	0	20	144	8	1	0	173		
40.	MAHRAJGANJ	92	108	1546	28086	438	154	0	30424		
41.	MAINPURI	2	3	1158	14546	4198	117	1	20025		
42.	MATHURA	19	39	2190	27470	7798	1159	0	38675		
43.	MAU	62	1193	3953	5339	96	57	0	10700		
44.	MEERUT	111	216	14930	30185	6412	1230	62	53146		
45.	MIRZAPUR	1	5	257	1483	386	8	17	2157		
46.	MORADABAD	489	219	8244	49364	9754	449	210	68729		
47.	MUZAFFER NAGAR	40	28	10895	37720	11187	2767	18	62655		
48.	NAINITAL	2	1	160	22	1	0	0	186		
49.	PILIBHIT	76	41	1537	15282	9570	267	6	26779		
50.	PRATAPGARH	77	133	2579	17323	17982	113	0	38207		
51.	RAEBARELY	673	136	4248	27097	7392	166	0	39712		
52.	RAMPUR	96	0	9524	34122	2049	14	8	45813		
53.	SAHARANPUR	438	82	12411	33299	5262	3921	0	55413		
54.	SANT RAVIDAS NAGAR	124	36	3410	2750	917	14	18	7269		
55.	SHAHJAHANPUR	225	102	2697	42358	29119	283	11	74795		
56.	SIDDHARTH NAGAR	662	160	2203	18401	826	437	0	22689		
57.	SITAPUR	274	414	2576	45629	8893	221	47	58054		
58.	SONBHADRA	0	3	70	1118	48	1	0	1240		
59.	SULTANPUR	29	374	5033	22715	4278	147	0	32576		
60.	UDHAMSINGH NAGAR	32	128	7817	13360	519	538	46	22440		
61.	UNNAO	937	63	1915	31596	13108	141	0	47760		
62.	VARANASI	228	61	7427	9447	1292	83	29	18567		
* State Total :		11057	14289	228265	1286966	401451	38679	1859	1982566		

* Data in respect of the remaining 6 Districts are NIL.											
MINOR IRRIGATION CENSUS(1993-94)											
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2											
Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours											
State : UTTAR PRADESH		(in Nos.)									
		Location of Tubewell			According to Average Pumping Hours during peak season						
Sl. No.	Name of District	On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
1	2	3	4	5	6	7	8	9	10	11	12
1.	AGRA	1669	33680	35349	2065	23739	8457	988	96	4	35349

2.	ALIGARH	3488	45637	49125	3533	32714	12432	378	41	27	49125
3.	ALLAHABAD	6092	21633	27725	2121	19107	5941	506	48	2	27725
4.	AMBEDKAR NAGAR	7534	28097	35631	9494	19684	6004	326	65	58	35631
5.	AZAMGARH	4582	23961	28543	2767	18302	5947	773	697	57	28543
6.	BADAUN	2281	51845	54126	9270	31309	10842	2502	123	80	54126
7.	BAHRAICH	2587	50395	52982	6532	36938	8541	880	83	8	52982
8.	BALLIA	4404	19097	23501	2224	14435	5659	930	245	8	23501
9.	BANDA	2293	3869	6162	1263	3813	940	76	63	7	6162
10.	BARABANKI	16657	16586	33243	11647	18079	3298	156	48	15	33243
11.	BAREILLY	8695	39919	48614	2335	34606	11145	407	72	49	48614
12.	BASTI	3778	42473	46251	9117	31198	4964	508	342	122	46251
13.	BIJNOR	9205	51706	60911	8035	41590	9784	1144	314	44	60911
14.	BULANDSHAHR	4520	40515	45035	4009	26042	13767	812	397	8	45035
15.	DEHRADUN	139	319	458	246	190	22	0	0	0	458
16.	DEORIA	4100	31010	35110	4790	21669	7801	792	58	0	35110
17.	ETAH	1828	40169	41997	6218	26809	8383	541	28	18	41997
18.	ETAWAH	7661	22072	29733	7913	17942	3360	242	228	48	29733
19.	FAIZABAD	2197	28484	30681	3470	21270	5730	161	50	0	30681
20.	FARUKHABAD	5134	44825	49959	11572	33251	4296	732	74	34	49959
21.	FATEHPUR	2337	10177	12514	1288	7561	3084	412	160	9	12514
22.	FIROZABAD	2970	17420	20390	2477	12074	5524	301	14	0	20390
23.	GHAZIABAD	3250	27937	31187	3764	18338	8119	659	299	8	31187
24.	GHAZIPUR	4765	15360	20125	1138	11609	5678	1289	350	61	20125
25.	GONDA	1184	50306	51490	15599	30698	4664	470	59	0	51490
26.	GORAKHPUR	0	46284	46284	6572	27743	10311	1178	434	46	46284
27.	HAMIRPUR	460	7012	7472	736	4704	1906	75	49	2	7472
28.	HARDOI	0	43460	43460	7844	26315	9019	239	15	28	43460
29.	HARDWAR	3440	19890	23330	4578	14147	3840	663	80	22	23330
30.	JALAUN	1696	3587	5283	445	3458	1171	152	43	14	5283
31.	JAUNPUR	13680	42345	56025	5915	36217	12223	1581	68	21	56025
32.	JHANSI	208	889	1097	432	590	61	2	0	12	1097
33.	KANPUR DEHAT	6465	26975	33440	7272	20512	5011	389	88	168	33440
34.	KANPUR NAGAR	1118	6656	7774	949	4075	2420	238	92	0	7774
35.	KHIRI	5359	53452	58811	16878	30792	8260	1667	1170	44	58811
36.	KUSHI NAGAR	8074	19775	27849	5459	19115	3141	95	29	10	27849
37.	LALITPUR	1	285	286	244	42	0	0	0	0	286
38.	LUCKNOW	4716	17713	22429	4320	14142	2938	785	224	20	22429
39.	MAHOBA	18	155	173	97	47	29	0	0	0	173
40.	MAHRAJGANJ	9290	21134	30424	5279	20536	4349	193	55	12	30424
41.	MAINPURI	4764	15261	20025	4161	13080	2406	97	280	1	20025
42.	MATHURA	6872	31803	38675	4424	28204	5752	281	14	0	38675
43.	MAU	801	9899	10700	1143	6036	3188	317	13	3	10700
44.	MEERUT	11144	42002	53146	4518	34452	11818	1663	676	19	53146
45.	MIRZAPUR	860	1297	2157	555	1055	406	41	34	66	2157
46.	MORADABAD	10451	58278	68729	12375	39762	15136	1169	172	115	68729
47.	MUZAFFER NAGAR	15954	46701	62655	5726	44263	11443	1007	71	145	62655
48.	NAINITAL	165	21	186	9	171	6	0	0	0	186
49.	PILIBHIT	5962	20817	26779	1841	15466	7696	1199	413	164	26779
50.	PRATAPGARH	16107	22100	38207	5678	26417	5295	398	418	1	38207
51.	RAEBARELY	14044	25668	39712	6402	23686	8658	924	36	6	39712
52.	RAMPUR	135	45678	45813	3368	36416	5883	146	0	0	45813

53.	SAHARANPUR	7729	47684	55413	12478	33951	8027	895	54	8	55413
54.	SANT RAVIDAS NAGAR	1778	5491	7269	915	4484	1629	233	7	1	7269
55.	SHAHJAHANPUR	7834	66961	74795	13013	42958	17287	1093	398	46	74795
56.	SIDDHARTH NAGAR	0	22689	22689	2533	17443	2328	291	4	90	22689
57.	SITAPUR	6331	51723	58054	15716	28706	9488	2926	1019	199	58054
58.	SONBHADRA	754	486	1240	358	692	161	29	0	0	1240
59.	SULTANPUR	0	32576	32576	13997	12697	5331	417	98	36	32576
60.	UDHAMSINGH NAGAR	2735	19705	22440	2003	15523	3786	928	195	5	22440
61.	UNNAO	12227	35533	47760	10019	25943	10055	1583	136	24	47760
62.	VARANASI	6574	11993	18567	2603	10469	4508	806	155	26	18567

* State Total :		301096	1681470	1982566	323742	1237276	369348	39685	10494	2021	1982566

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 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	35349	7	205	2
2.	ALIGARH	49125	9	219	1
3.	ALLAHABAD	27725	9	146	1
4.	AMBEDKAR NAGAR	35631	1	85	0
5.	AZAMGARH	28543	4	106	0
6.	BADAUN	54126	2	78	0
7.	BAHRAICH	52982	1	51	0
8.	BALLIA	23501	5	102	0
9.	BANDA	6162	7	118	0
10.	BARABANKI	33243	1	81	0
11.	BAREILLY	48614	1	63	0
12.	BASTI	46251	2	77	1
13.	BIJNOR	60911	3	115	1
14.	BULANDSHAHR	45035	1	108	0
15.	DEHRADUN	458	36	163	2
16.	DEORIA	35110	1	62	0
17.	ETAH	41997	4	135	0
18.	ETAWAH	29733	3	148	2
19.	FAIZABAD	30681	1	72	0
20.	FARUKHABAD	49959	3	191	4
21.	FATEHPUR	12514	3	202	1

22.	FIROZABAD	20390	6	223	1
23.	GHAZIABAD	31187	2	120	0
24.	GHAZIPUR	20125	5	136	1
25.	GONDA	51490	0	55	0
26.	GORAKHPUR	46284	2	68	0
27.	HAMIRPUR	7472	12	114	1
28.	HARDOI	43460	0	49	0
29.	HARDWAR	23330	0	101	0
30.	JALAUN	5283	1	91	0
31.	JAUNPUR	56025	6	132	0
32.	JHANSI	1097	4	47	0
33.	KANPUR DEHAT	33440	2	114	0
34.	KANPUR NAGAR	7774	2	132	0
35.	KHIRI	58811	0	63	0
36.	KUSHI NAGAR	27849	1	55	0
37.	LALITPUR	286	0	2	0
38.	LUCKNOW	22429	2	101	1
39.	MAHOBA	173	4	39	0
40.	MAHRAJGANJ	30424	0	53	2
41.	MAINPURI	20025	4	201	0
42.	MATHURA	38675	2	167	2
43.	MAU	10700	3	102	0
44.	MEERUT	53146	4	136	0
45.	MIRZAPUR	2157	7	106	2
46.	MORADABAD	68729	1	75	0
47.	MUZAFFER NAGAR	62655	3	140	0
48.	NAINITAL	186	3	121	1
49.	PILIBHIT	26779	0	63	0
50.	PRATAPGARH	38207	7	104	0
51.	RAEBARELY	39712	1	105	0
52.	RAMPUR	45813	4	57	0
53.	SAHARANPUR	55413	3	140	1
54.	SANT RAVIDAS NAGAR	7269	18	210	2
55.	SHAHJAHANPUR	74795	0	48	0
56.	SIDDHARTH NAGAR	22689	1	60	1
57.	SITAPUR	58054	1	56	0
58.	SONBHADRA	1240	1	65	3
59.	SULTANPUR	32576	2	122	0
60.	UDHAMSINGH NAGAR	22440	2	91	0
61.	UNNAO	47760	1	103	1
62.	VARANASI	18567	14	147	2

* State Average: 1982566 4 107 1

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : UTTAR PRADESH

(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.	AGRA	129308	39349	240153	15824	14637	309963
2.	ALIGARH	198997	85059	134391	25866	10811	256127
3.	ALLAHABAD	122023	69272	75878	8675	14219	168044
4.	AMBEDKAR NAGAR	136530	102869	85399	23818	12144	224230
5.	AZAMGARH	119296	56844	72576	31554	5013	165987
6.	BADAUN	162476	116477	93218	3	28	209726
7.	BAHRAICH	182690	87833	125570	19641	8417	241461
8.	BALLIA	102428	51822	73769	18659	8922	153172
9.	BANDA	31978	9344	20791	2278	168	32581
10.	BARABANKI	81099	56155	62794	37852	12519	169320
11.	BAREILLY	145842	91082	92772	15872	6909	206635
12.	BASTI	161865	70930	86838	42484	24834	225086
13.	BIJNOR	155938	72761	72055	62256	10148	217220
14.	BULANDSHAHR	131025	85565	91029	26088	16930	219612
15.	DEHRADUN	1137	737	687	583	61	2068
16.	DEORIA	139804	67602	85763	26134	8252	187751
17.	ETAH	162009	68840	118990	42076	11421	241327
18.	ETAWAH	136631	48062	77407	5474	5688	136631
19.	FAIZABAD	112206	68897	73394	43557	19098	204946
20.	FARUKHABAD	199126	116824	82311	0	0	199135
21.	FATEHPUR	57552	17597	33633	10851	13580	75661
22.	FIROZABAD	95830	33437	70531	3931	13651	121550
23.	GHAZIABAD	86004	61218	60153	17706	11899	150976
24.	GHAZIPUR	131869	55341	65952	5615	4978	131886
25.	GONDA	193994	72858	152661	40430	5496	271445
26.	GORAKHPUR	206202	162065	193039	36593	21900	413597
27.	HAMIRPUR	31251	4578	28288	889	727	34482
28.	HARDOI	186020	78624	123840	46871	6241	255576
29.	HARDWAR	117305	36515	39788	33167	7836	117306
30.	JALAUN	14944	3066	14346	296	171	17879
31.	JAUNPUR	199778	106236	125982	19687	8448	260353
32.	JHANSI	7349	407	8154	25	47	8633
33.	KANPUR DEHAT	206468	60665	102179	49538	13916	226298
34.	KANPUR NAGAR	45821	17098	26101	731	3391	47321
35.	KHIRI	227978	122355	134837	67216	17223	341631
36.	KUSHI NAGAR	110070	61661	65134	34769	7851	169415
37.	LALITPUR	721	0	721	0	0	721
38.	LUCKNOW	78483	46936	60655	28073	20034	155698
39.	MAHOBA	518	99	415	4	0	518
40.	MAHRAJGANJ	131578	60655	77250	33307	9784	180996
41.	MAINPURI	201072	83137	165560	2466	34688	285851
42.	MATHURA	116547	86382	143948	15625	7324	253279

43.	MAU	46182	25758	29304	7699	2283	65044
44.	MEERUT	204186	77055	73459	47644	6028	204186
45.	MIRZAPUR	9852	2936	5314	1224	382	9856
46.	MORADABAD	417739	185717	185621	42381	4025	417744
47.	MUZAFFER NAGAR	342363	111725	126375	43406	60858	342364
48.	NAINITAL	289	2112	869	0	63	3044
49.	PILIBHIT	40293	30873	31243	8390	790	71296
50.	PRATAPGARH	130725	94875	95384	10435	3809	204503
51.	RAEBARELY	140196	61670	63023	8459	7049	140201
52.	RAMPUR	229791	86922	86308	39290	36723	249243
53.	SAHARANPUR	143804	82788	80258	56481	13429	232956
54.	SANT RAVIDAS NAGAR	33115	15469	23477	6131	3922	48999
55.	SHAHJAHANPUR	204800	153540	173912	26247	10480	364179
56.	SIDDHARTH NAGAR	87971	38027	43949	20558	11078	113612
57.	SITAPUR	204426	105584	121454	54644	21523	303205
58.	SONBHADRA	5176	2779	2239	111	48	5177
59.	SULTANPUR	118261	41835	53986	36851	23297	155969
60.	UDHAMSINGH NAGAR	53904	41772	38544	8139	1889	90344
61.	UNNAO	151780	59928	79845	6202	5809	151784
62.	VARANASI	68154	35022	43442	8241	3917	90622

* State Total : 7692769 3793641 4816958 1329017 616806 10556422

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.14 Irrigation Potential Utilised

State : UTTAR PRADESH

(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.	AGRA	24341	152535	13898	13611	204385
2.	ALIGARH	75939	122493	8254	6930	213616
3.	ALLAHABAD	49767	69699	7342	6328	133136
4.	AMBEDKAR NAGAR	68703	61599	16724	8810	155836
5.	AZAMGARH	47347	62658	25015	4521	139541
6.	BADAUN	102421	86204	0	27	188652
7.	BAHRAICH	64495	107557	18115	6104	196271
8.	BALLIA	45085	65184	16089	5104	131462
9.	BANDA	9330	20462	2278	168	32238
10.	BARABANKI	47732	55058	31479	10662	144931
11.	BAREILLY	70407	72917	26	12	143362
12.	BASTI	50514	63036	27960	17616	159126

13.	BIJNOR	65580	64510	57358	7656	195104
14.	BULANDSHAHR	77367	85783	21665	11544	196359
15.	DEHRADUN	649	603	558	56	1866
16.	DEORIA	59174	76393	17931	6658	160156
17.	ETAH	51767	98543	27295	9841	187446
18.	ETAWAH	47598	76955	5241	5737	135531
19.	FAIZABAD	61286	65338	34685	16431	177740
20.	FARUKHABAD	116824	82311	0	0	199135
21.	FATEHPUR	16239	32207	9845	5795	64086
22.	FIROZABAD	27108	65784	2623	5184	100699
23.	GHAZIABAD	57143	57773	15424	7744	138084
24.	GHAZIPUR	47926	58382	4923	3218	114449
25.	GONDA	66382	140801	35041	3979	246203
26.	GORAKHPUR	144358	172487	32627	18061	367533
27.	HAMIRPUR	4155	26133	712	559	31559
28.	HARDOI	47865	93931	15240	5082	162118
29.	HARDWAR	22340	25197	26540	4332	78409
30.	JALAUN	2537	13760	265	119	16681
31.	JAUNPUR	89761	109499	12634	6831	218725
32.	JHANSI	361	8085	19	18	8483
33.	KANPUR DEHAT	55955	97190	45154	10265	208564
34.	KANPUR NAGAR	17098	26098	431	3091	46718
35.	KHIRI	105703	116342	51477	13430	286952
36.	KUSHI NAGAR	50171	54485	25842	5162	135660
37.	LALITPUR	0	721	0	0	721
38.	LUCKNOW	35747	49088	20590	15035	120460
39.	MAHOBA	99	415	4	0	518
40.	MAHRAJGANJ	45468	53794	22028	5316	126606
41.	MAINPURI	66812	112301	2318	26758	208189
42.	MATHURA	58934	98007	11294	6780	175015
43.	MAU	21747	25402	4126	1861	53136
44.	MEERUT	78005	68656	43320	6042	196023
45.	MIRZAPUR	2742	4898	1128	372	9140
46.	MORADABAD	183885	183210	41547	3739	412381
47.	MUZAFFER NAGAR	81081	67916	40152	11464	200613
48.	NAINITAL	1075	752	0	68	1895
49.	PILIBHIT	29246	30093	8367	656	68362
50.	PRATAPGARH	53616	80863	9113	2482	146074
51.	RAEBARELY	68773	57488	7760	6177	140198
52.	RAMPUR	76773	74097	30120	29665	210655
53.	SAHARANPUR	73767	71240	48625	12457	206089
54.	SANT RAVIDAS NAGAR	14249	22285	5628	1622	43784
55.	SHAHJAHANPUR	147697	165904	25250	9691	348542
56.	SIDDHARTH NAGAR	23240	33040	9909	7079	73268
57.	SITAPUR	92135	108570	41884	17373	259962
58.	SONBHADRA	2736	2164	132	47	5079
59.	SULTANPUR	4	3	3	1	11
60.	UDHAMSINGH NAGAR	41000	37961	8002	1823	88786
61.	UNNAO	67525	73607	5449	5200	151781
62.	VARANASI	32659	41073	7132	3140	84004

* State Total : 3190443 4051540 1004591 405534 8652108

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.15 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	758	2256	67	562	3643
2.	ALIGARH	130	63	0	1	194
3.	ALLAHABAD	1467	2340	185	563	4555
4.	AMBEDKAR NAGAR	1019	1895	1073	494	4481
5.	AZAMGARH	593	618	616	0	1827
6.	BADAUN	0	0	0	0	0
7.	BAHRAICH	282	515	436	14	1247
8.	BALLIA	1933	2178	597	497	5205
9.	BANDA	239	178	158	3	578
10.	BARABANKI	4886	5396	835	958	12075
11.	BAREILLY	1262	964	5	11	2242
12.	BASTI	534	395	76	67	1072
13.	BIJNOR	278	220	253	85	836
14.	BULANDSHAHR	628	598	55	60	1341
15.	DEHRADUN	38	41	8	4	91
16.	DEORIA	2387	2446	1617	241	6691
17.	ETAH	209	186	127	12	534
18.	ETAWAH	47566	76943	5199	5657	135365
19.	FAIZABAD	3068	3036	220	198	6522
20.	FARUKHABAD	0	0	0	0	0
21.	FATEHPUR	343	403	23	37	806
22.	FIROZABAD	1517	3090	87	430	5124
23.	GHAZIABAD	442	371	6	40	859
24.	GHAZIPUR	5047	5792	920	217	11976
25.	GONDA	199	197	49	51	496
26.	GORAKHPUR	1520	2232	1237	70	5059
27.	HAMIRPUR	14	662	25	6	707
28.	HARDOI	2565	4567	534	666	8332
29.	HARDWAR	1605	1470	2007	52	5134
30.	JALAUN	1093	5839	246	559	7737
31.	JAUNPUR	2329	1541	99	71	4040
32.	JHANSI	2	14	0	0	16
33.	KANPUR DEHAT	3083	9053	773	392	13301

34.	KANPUR NAGAR	4	9	0	0	13
35.	KHIRI	4523	3326	2450	282	10581
36.	KUSHI NAGAR	2776	2976	816	152	6720
37.	LALITPUR	0	0	0	0	0
38.	LUCKNOW	6090	5918	4578	3615	20201
39.	MAHOBA	0	1	0	0	1
40.	MAHRAJGANJ	1609	1941	922	207	4679
41.	MAINPURI	1884	2013	43	277	4217
42.	MATHURA	9624	11627	1490	582	23323
43.	MAU	1049	1109	368	145	2671
44.	MEERUT	1289	1197	839	372	3697
45.	MIRZAPUR	1310	2445	278	66	4099
46.	MORADABAD	62044	62016	27516	10	151586
47.	MUZAFFER NAGAR	8685	6738	4382	700	20505
48.	NAINITAL	0	0	0	0	0
49.	PILIBHIT	6085	5058	1250	43	12436
50.	PRATAPGARH	239	226	4	30	499
51.	RAEBARELY	133022	4300	308	410	138040
52.	RAMPUR	2873	2658	1588	1091	8210
53.	SAHARANPUR	4072	3707	1752	662	10193
54.	SANT RAVIDAS NAGAR	899	1572	469	257	3197
55.	SHAHJAHANPUR	5915	5540	688	101	12244
56.	SIDDHARTH NAGAR	143	236	128	30	537
57.	SITAPUR	3336	2493	1041	1288	8158
58.	SONBHADRA	300	272	98	8	678
59.	SULTANPUR	3	3	3	2	11
60.	UDHAMSINGH NAGAR	952	635	415	133	2135
61.	UNNAO	148406	3015	234	129	151784
62.	VARANASI	6454	6792	622	380	14248

* State Total :		500622	273322	69815	22990	866749

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

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : UTTAR PRADESH

(in Nos.)

Sl. No.	Name of District	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	
1	2	3	4	5	6	7	8	9
								10
1.	AGRA	35349	0	4250	6433	2872	21794	35349
2.	ALIGARH	49123	0	935	646	666	46876	49123

3.	ALLAHABAD	27368	0	5422	4521	6840	10585	27368	27368
4.	AMBEDKAR NAGAR	34577	32925	1007	178	0	467	1652	34577
5.	AZAMGARH	28543	0	3339	426	167	24611	28543	28543
6.	BADAUN	54126	0	186	184	307	53449	54126	54126
7.	BAHRAICH	52298	34930	1587	862	1269	13650	17368	52298
8.	BALLIA	22983	0	3456	2575	569	16383	22983	22983
9.	BANDA	6155	0	2869	407	1377	1502	6155	6155
10.	BARABANKI	32757	0	27350	2274	665	2468	32757	32757
11.	BAREILLY	48614	0	0	0	0	48614	48614	48614
12.	BASTI	46251	0	20215	3909	339	21788	46251	46251
13.	BIJNOR	59894	0	10818	3346	976	44754	59894	59894
14.	BULANDSHAHR	45035	0	21942	4445	1863	16785	45035	45035
15.	DEHRADUN	435	0	2	10	17	406	435	435
16.	DEORIA	34971	0	2701	457	62	31751	34971	34971
17.	ETAH	41738	0	1266	88	9	40375	41738	41738
18.	ETAWAH	29593	10	255	171	26	29131	29583	29593
19.	FAIZABAD	30527	18797	4060	4062	1985	1623	11730	30527
20.	FARUKHABAD	49959	0	932	2887	8242	37898	49959	49959
21.	FATEHPUR	12230	0	2308	946	303	8673	12230	12230
22.	FIROZABAD	19703	0	3042	2369	971	13321	19703	19703
23.	GHAZIABAD	31145	0	15183	3023	1319	11620	31145	31145
24.	GHAZIPUR	19952	419	15207	2611	177	1538	19533	19952
25.	GONDA	50716	43433	371	2814	9	4089	7283	50716
26.	GORAKHPUR	45615	0	161	1946	345	43163	45615	45615
27.	HAMIRPUR	7290	0	170	666	789	5665	7290	7290
28.	HARDOI	43460	0	902	1229	665	40664	43460	43460
29.	HARDWAR	23140	4	898	4843	155	17240	23136	23140
30.	JALAUN	5181	0	159	137	563	4322	5181	5181
31.	JAUNPUR	55634	0	15732	14068	515	25319	55634	55634
32.	JHANSI	1081	0	0	1	91	989	1081	1081
33.	KANPUR DEHAT	33440	0	28727	1780	210	2723	33440	33440
34.	KANPUR NAGAR	7774	0	5712	111	10	1941	7774	7774
35.	KHIRI	58578	0	695	1897	913	55073	58578	58578
36.	KUSHI NAGAR	27651	0	225	115	28	27283	27651	27651
37.	LALITPUR	286	0	0	1	0	285	286	286
38.	LUCKNOW	22429	0	338	1587	752	19752	22429	22429
39.	MAHOBA	173	0	64	1	51	57	173	173
40.	MAHRAJGANJ	30237	0	921	16	0	29300	30237	30237
41.	MAINPURI	19943	0	2105	14586	419	2833	19943	19943
42.	MATHURA	38675	0	5076	2636	2949	28014	38675	38675
43.	MAU	10700	0	418	140	2	10140	10700	10700
44.	MEERUT	53146	1	33191	20	55	19879	53145	53146
45.	MIRZAPUR	2139	0	504	200	131	1304	2139	2139
46.	MORADABAD	68588	1	1359	447	1259	65522	68587	68588
47.	MUZAFFER NAGAR	62631	0	30988	633	51	30959	62631	62631
48.	NAINITAL	184	0	41	0	0	143	184	184
49.	PILIBHIT	26674	0	363	110	5	26196	26674	26674
50.	PRATAPGARH	38152	0	281	321	16196	21354	38152	38152
51.	RAEBARELY	39712	0	35553	759	3400	0	39712	39712
52.	RAMPUR	45790	0	1063	43526	692	509	45790	45790
53.	SAHARANPUR	55413	0	1394	995	63	52961	55413	55413

54.	SANT RAVIDAS NAGAR	7202	0	6352	334	33	483	7202	7202
55.	SHAHJAHANPUR	74687	66873	352	1946	958	4558	7814	74687
56.	SIDDHARTH NAGAR	22689	0	5287	217	413	16772	22689	22689
57.	SITAPUR	58053	0	2887	4193	416	50557	58053	58053
58.	SONBHADRA	1238	1	42	377	59	759	1237	1238
59.	SULTANPUR	32129	25307	1100	1388	865	3469	6822	32129
60.	UDHAMSINGH NAGAR	22224	0	938	176	70	21040	22224	22224
61.	UNNAO	47760	0	47760	0	0	0	47760	47760
62.	VARANASI	18400	0	8318	5310	359	4413	18400	18400
* State Total :		1972140	222701	388779	156356	64512	1139792	1749439	1972140

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	3836	1909	2237	3188	3031	2890	2368	2692	22151
2.	BIRBHUM	3643	1621	2131	2224	2894	2357	2166	2453	19489
3.	BURDWAN	8143	3948	4189	4958	6301	5976	5851	6292	45658
4.	COOCHBEHAR	2939	1353	1655	2565	3250	2893	2716	5013	22384
5.	DAKSHIN DINAJPUR	1865	824	1075	988	1686	1333	1379	3570	12720
6.	DARJEELING	369	181	161	302	322	236	205	816	2592
7.	HOOGLY	6111	2023	2281	2398	2671	2110	1494	1567	20655
8.	HOWRAH	306	73	111	161	136	86	82	95	1050
9.	JALPAIGURI	596	159	456	883	872	855	918	2285	7024
10.	MALDA	7588	3951	3146	3801	3546	2790	2284	2685	29791
11.	MIDNAPORE	10885	5987	7095	8126	9172	8004	6637	6827	62733
12.	MURSHIDABAD	15457	9373	8966	9575	10980	8074	6290	6920	75635
13.	NADIA	26657	13989	11307	10273	8526	6131	4435	3840	85158
14.	NORTH 24 PARGANAS	20893	7248	5568	6010	6151	4238	3289	3942	57339
15.	PURULIA	8	0	1	2	0	0	0	0	11
16.	SOUTH 24 PARGANAS	1049	1112	773	988	981	692	214	405	6214
17.	UTTAR DINAJPUR	4241	2298	2953	3942	5174	5197	4940	5289	34034
State Total :		114586	56049	54105	60384	65693	53862	45268	54691	504638

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.2 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	357	21	87	2443	19126	117	22151
2.	BIRBHUM	41	3	48	590	18733	74	19489
3.	BURDWAN	338	1674	215	783	42506	142	45658
4.	COOCHBEHAR	777	18	278	521	20637	153	22384
5.	DAKSHIN DINAJPUR	536	10	326	513	11301	34	12720
6.	DARJEELING	306	1	15	1	2264	5	2592
7.	HOOGLY	282	192	228	386	19550	17	20655
8.	HOWRAH	11	0	0	2	1036	1	1050
9.	JALPAIGURI	1605	7	1458	67	3866	21	7024
10.	MALDA	355	42	162	273	28895	64	29791
11.	MIDNAPORE	648	53	480	2643	58860	49	62733
12.	MURSHIDABAD	650	76	225	626	73944	114	75635
13.	NADIA	1004	366	269	453	82958	108	85158
14.	NORTH 24 PARGANAS	388	100	47	325	56418	61	57339
15.	PURULIA	0	0	0	2	9	0	11
16.	SOUTH 24 PARGANAS	19	16	3	1	6143	32	6214
17.	UTTAR DINAJPUR	829	29	554	359	32223	40	34034
State Total :		8146	2608	4395	9988	478469	1032	504638

MINOR IRRIGATION CENSUS(1993-94)
SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2
Table 2.3 Distribution of Tubewell according to the holding size

State : WEST BENGAL

(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.	BANKURA	10066	8016	3269	218	21569
2.	BIRBHUM	7330	8202	3602	189	19323

3.	BURDWAN	16230	16561	9611	887	43289
4.	COOCHBEHAR	8538	8267	4272	81	21158
5.	DAKSHIN DINAJPUR	3071	6046	2539	158	11814
6.	DARJEELING	1997	218	39	11	2265
7.	HOOGLY	9984	6369	3392	191	19936
8.	HOWRAH	706	243	85	4	1038
9.	JALPAIGURI	2228	1316	367	22	3933
10.	MALDA	11728	12758	4539	143	29168
11.	MIDNAPORE	33332	19472	7355	1344	61503
12.	MURSHIDABAD	37912	28038	8092	528	74570
13.	NADIA	50890	24647	7523	351	83411
14.	NORTH 24 PARGANAS	33565	17056	5336	786	56743
15.	PURULIA	5	6	0	0	11
16.	SOUTH 24 PARGANAS	4192	1643	299	10	6144
17.	UTTAR DINAJPUR	8997	15327	7870	388	32582

State Total :		240771	174185	68190	5311	488457

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.4 Distribution of Tubewell 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	3712	445	17412	21569	582	22151
2.	BIRBHUM	3027	461	15835	19323	166	19489
3.	BURDWAN	4952	938	37399	43289	2369	45658
4.	COOCHBEHAR	12003	194	8961	21158	1226	22384
5.	DAKSHIN DINAJPUR	3271	1189	7354	11814	906	12720
6.	DARJEELING	1318	266	681	2265	327	2592
7.	HOOGLY	2720	344	16872	19936	719	20655
8.	HOWRAH	110	3	925	1038	12	1050
9.	JALPAIGURI	2189	243	1501	3933	3091	7024
10.	MALDA	4241	824	24103	29168	623	29791
11.	MIDNAPORE	7045	2691	51767	61503	1230	62733
12.	MURSHIDABAD	3999	567	70004	74570	1065	75635
13.	NADIA	17558	1177	64676	83411	1747	85158
14.	NORTH 24 PARGANAS	13494	597	42652	56743	596	57339
15.	PURULIA	0	0	11	11	0	11
16.	SOUTH 24 PARGANAS	1740	32	4372	6144	70	6214
17.	UTTAR DINAJPUR	11317	1135	20130	32582	1452	34034

State Total : 92696 11106 384655 488457 16181 504638

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.5 Distribution of Tubewell by its type

State : WEST BENGAL

(in Nos.)

Sl. No.	Name of District	Type of Tubewells				Total (3 to 6)
		Shallow	Filter	Borewell	Others	
1	2	3	4	5	6	7
1.	BANKURA	20923	907	160	161	22151
2.	BIRBHUM	18136	546	262	545	19489
3.	BURDWAN	40010	3813	238	1597	45658
4.	COOCHBEHAR	18899	3322	5	158	22384
5.	DAKSHIN DINAJPUR	11738	533	405	44	12720
6.	DARJEELING	966	1401	1	224	2592
7.	HOOGLY	17981	1863	328	483	20655
8.	HOWRAH	817	156	2	75	1050
9.	JALPAIGURI	5216	1593	57	158	7024
10.	MALDA	27020	1919	716	136	29791
11.	MIDNAPORE	57052	1748	1846	2087	62733
12.	MURSHIDABAD	70993	3807	583	252	75635
13.	NADIA	81014	2719	899	526	85158
14.	NORTH 24 PARGANAS	53915	1507	1610	307	57339
15.	PURULIA	10	1	0	0	11
16.	SOUTH 24 PARGANAS	6014	101	15	84	6214
17.	UTTAR DINAJPUR	31997	937	925	175	34034
State Total :		462701	26873	8052	7012	504638

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.6 Distribution of Tubewell by its status

State : WEST BENGAL

(in Nos.)

Sl. No.	Name of District	T'Wells	Tubewells Not in Use				Others	Total (4 to 8)	Grand Total (3 + 9)
		In Use	Temporary	Abandoned (Salinity)	Dried up	Destroyed			
1	2	3	4	5	6	7	8	9	10

1.	BANKURA	21552	457	27	63	35	17	599	22151
2.	BIRBHUM	18619	669	80	99	11	11	870	19489
3.	BURDWAN	44076	948	331	105	68	130	1582	45658
4.	COOCHBEHAR	21527	681	4	130	31	11	857	22384
5.	DAKSHIN DINAJPUR	12414	231	10	14	17	34	306	12720
6.	DARJEELING	2202	256	2	29	67	36	390	2592
7.	HOOGLY	19624	570	100	278	51	32	1031	20655
8.	HOWRAH	1027	19	0	2	1	1	23	1050
9.	JALPAIGURI	5849	950	17	101	12	95	1175	7024
10.	MALDA	28353	401	641	52	237	107	1438	29791
11.	MIDNAPORE	60167	1760	188	292	201	125	2566	62733
12.	MURSHIDABAD	73769	1289	172	171	116	118	1866	75635
13.	NADIA	84085	441	32	29	256	315	1073	85158
14.	NORTH 24 PARGANAS	56238	828	68	24	58	123	1101	57339
15.	PURULIA	10	1	0	0	0	0	1	11
16.	SOUTH 24 PARGANAS	6183	20	3	5	0	3	31	6214
17.	UTTAR DINAJPUR	33467	241	19	19	250	38	567	34034
----- State Total : -----		489162	9762	1694	1413	1411	1196	15476	504638

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.7 Distribution of Tubewell according to Finance source

State : WEST BENGAL		(in Nos.)						
		----- Source of Finance for constructing Tubewell -----						
Sl. No.	Name of District	Govt. Fund	Farmers Saving	Loan & Saving	Subsidy & Bank loan	Subsidy Only	Others	Total (3 to 8)
-----	-----	-----	-----	-----	-----	-----	-----	-----
1	2	3	4	5	6	7	8	9
-----	-----	-----	-----	-----	-----	-----	-----	-----
1.	BANKURA	721	18329	869	729	825	321	21794
2.	BIRBHUM	531	14264	2390	1859	172	232	19448
3.	BURDWAN	2451	33634	4969	2570	490	1206	45320
4.	COOCHBEHAR	3394	13989	792	1296	1402	734	21607
5.	DAKSHIN DINAJPUR	1799	8777	499	377	599	133	12184
6.	DARJEELING	1298	106	21	39	772	50	2286
7.	HOOGLY	1142	14345	2975	1567	125	219	20373
8.	HOWRAH	9	877	122	8	0	23	1039
9.	JALPAIGURI	1774	1929	98	12	1451	155	5419
10.	MALDA	1870	24365	1339	952	448	462	29436
11.	MIDNAPORE	3512	48950	6082	1658	1246	637	62085
12.	MURSHIDABAD	3584	64392	3555	2522	490	442	74985
13.	NADIA	2913	63141	8936	7447	821	896	84154
14.	NORTH 24 PARGANAS	2299	49136	2817	1862	469	368	56951
15.	PURULIA	1	6	0	4	0	0	11
16.	SOUTH 24 PARGANAS	200	4896	171	837	17	74	6195

17. UTTAR DINAJPUR	2378	28520	751	559	856	141	33205
State Total :	29876	389656	36386	24298	10183	6093	496492

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.8 Tubewell 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	433	182	20921	60	555	22151
2.	BIRBHUM	189	236	18643	122	299	19489
3.	BURDWAN	768	328	43648	230	684	45658
4.	COOCHBEHAR	73	64	21661	409	177	22384
5.	DAKSHIN DINAJPUR	83	45	12255	39	298	12720
6.	DARJEELING	122	117	2257	1	95	2592
7.	HOOGLY	358	216	19615	309	157	20655
8.	HOWRAH	10	1	1021	15	3	1050
9.	JALPAIGURI	396	6	6295	83	244	7024
10.	MALDA	133	186	28933	462	77	29791
11.	MIDNAPORE	727	502	59904	1124	476	62733
12.	MURSHIDABAD	338	1770	70853	413	2261	75635
13.	NADIA	2982	314	81613	28	221	85158
14.	NORTH 24 PARGANAS	339	221	56054	134	591	57339
15.	PURULIA	0	0	0	0	11	11
16.	SOUTH 24 PARGANAS	49	11	5784	43	327	6214
17.	UTTAR DINAJPUR	454	107	32489	150	834	34034
State Total :		7454	4306	481946	3622	7310	504638

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.9 Distribution of Tubewell according to water lifting device

State : WEST BENGAL

(in Nos.)

According to Water Lifting Devices for Tubewell								
Sl. No.	Name of District	Electric Pumps	Diesel Pumps	Wind Mills	Solar Pumps	Man/Ani. operated	Others	Total (3 to 8)

1	2	3	4	5	6	7	8	9
1. BANKURA		2394	19394	41	9	236	77	22151
2. BIRBHUM		5433	13913	12	0	131	0	19489
3. BURDWAN		8249	36938	103	0	68	300	45658
4. COOCHBEHAR		922	19481	229	4	1635	113	22384
5. DAKSHIN DINAJPUR		414	12217	41	1	46	1	12720
6. DARJEELING		38	681	1	5	1821	46	2592
7. HOOGLY		6128	13500	13	41	54	919	20655
8. HOWRAH		107	900	0	1	0	42	1050
9. JALPAIGURI		995	5110	34	0	865	20	7024
10. MALDA		1759	27959	12	2	56	3	29791
11. MIDNAPORE		6665	54512	219	12	214	1111	62733
12. MURSHIDABAD		8402	67169	16	3	7	38	75635
13. NADIA		14150	70543	130	5	165	165	85158
14. NORTH 24 PARGANAS		5822	50932	461	5	111	8	57339
15. PURULIA		0	0	0	0	11	0	11
16. SOUTH 24 PARGANAS		54	6101	7	1	36	15	6214
17. UTTAR DINAJPUR		1722	32203	104	0	5	0	34034
State Total :		63254	431553	1423	89	5461	2858	504638

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.10 Distribution of Tubewell according to horse power

State : WEST BENGAL

(in Nos.)

		According to horse power of lifting devices							
Sl. No.	Name of District	0-2 hp	2-4 hp	4-6 hp	6-8 hp	8-10 hp	Above 10 hp	Unspecified hp = 0	Total (3 to 9)
1	2	3	4	5	6	7	8	9	10
1.	BANKURA	108	216	21473	39	79	0	236	22151
2.	BIRBHUM	9	104	19132	83	30	0	131	19489
3.	BURDWAN	33	872	43457	521	708	0	67	45658
4.	COOCHBEHAR	10	595	19840	196	108	0	1635	22384
5.	DAKSHIN DINAJPUR	22	24	12616	7	5	0	46	12720
6.	DARJEELING	9	0	761	0	1	0	1821	2592
7.	HOOGLY	22	4688	15693	133	65	0	54	20655
8.	HOWRAH	6	313	714	7	10	0	0	1050
9.	JALPAIGURI	68	563	5498	4	26	0	865	7024
10.	MALDA	9	137	29525	57	7	0	56	29791
11.	MIDNAPORE	295	2534	48195	9897	1598	0	214	62733
12.	MURSHIDABAD	30	290	75082	125	101	0	7	75635
13.	NADIA	27	324	84460	173	10	0	164	85158

14.	NORTH 24 PARGANAS	15	233	56342	492	146	0	111	57339
15.	PURULIA	0	0	0	0	0	0	11	11
16.	SOUTH 24 PARGANAS	4	42	6123	2	8	0	35	6214
17.	UTTAR DINAJPUR	11	435	33561	9	13	0	5	34034
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State Total :		678	11370	472472	11745	2915	0	5458	504638
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MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.11 Tubewell in the command of Major/Medium projects and average pumping hours

State : WEST BENGAL		(in Nos.)									
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		Location of Tubewell			According to Average Pumping Hours during peak season						
Sl. No.	Name of District	On the Maj/Med	Outside Command	Total (3 + 4)	0-4 hrs	4-8 hrs	8-12 hrs	12-16 hrs	16-20 hrs	20-24 hrs	Total (6 to 11)
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1	2	3	4	5	6	7	8	9	10	11	12
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1.	BANKURA	6859	15292	22151	7111	11119	2913	766	242	0	22151
2.	BIRBHUM	8986	10503	19489	3275	9749	4911	917	637	0	19489
3.	BURDWAN	15760	29898	45658	3967	16972	14661	6662	3396	0	45658
4.	COOCHBEHAR	858	21526	22384	6610	9656	5828	176	114	0	22384
5.	DAKSHIN DINAJPUR	640	12080	12720	2841	3936	4170	1369	404	0	12720
6.	DARJEELING	94	2498	2592	2128	205	258	1	0	0	2592
7.	HOOGLY	2734	17921	20655	2457	6699	6766	3385	1348	0	20655
8.	HOWRAH	1	1049	1050	406	405	120	104	15	0	1050
9.	JALPAIGURI	306	6718	7024	3525	2616	675	206	2	0	7024
10.	MALDA	765	29026	29791	2704	10559	10483	4279	1766	0	29791
11.	MIDNAPORE	5817	56916	62733	10332	21632	17747	7636	5386	0	62733
12.	MURSHIDABAD	5491	70144	75635	11986	27293	22068	9929	4359	0	75635
13.	NADIA	3585	81573	85158	16792	30612	25223	8913	3618	0	85158
14.	NORTH 24 PARGANAS	1797	55542	57339	8806	23503	18925	5160	945	0	57339
15.	PURULIA	0	11	11	11	0	0	0	0	0	11
16.	SOUTH 24 PARGANAS	732	5482	6214	667	1808	2274	1202	263	0	6214
17.	UTTAR DINAJPUR	617	33417	34034	1834	8550	15198	6244	2208	0	34034
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State Total :		55042	449596	504638	85452	185314	152220	56949	24703	0	504638
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MINOR IRRIGATION CENSUS (1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.12 Average length of Water Conveyance Channel

State : WEST BENGAL		(in Mts.)	
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		Total	Average length of channels
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Sl. No.	Name of District	Number of Schemes	Pucca Channel	Kuccha Channel	Under ground Channel
1	2	3	4	5	6
1.	BANKURA	22151	0	124	0
2.	BIRBHUM	19489	0	94	0
3.	BURDWAN	45658	1	98	1
4.	COOCHBEHAR	22384	1	200	1
5.	DAKSHIN DINAJPUR	12720	0	126	0
6.	DARJEELING	2592	13	24	1
7.	HOOGLY	20655	3	178	2
8.	HOWRAH	1050	3	211	1
9.	JALPAIGURI	7024	1	114	0
10.	MALDA	29791	1	130	1
11.	MIDNAPORE	62733	1	166	11
12.	MURSHIDABAD	75635	0	107	0
13.	NADIA	85158	1	115	1
14.	NORTH 24 PARGANAS	57339	1	129	2
15.	PURULIA	11	0	5	0
16.	SOUTH 24 PARGANAS	6214	0	58	16
17.	UTTAR DINAJPUR	34034	1	146	0
State Average:		504638	2	119	3

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.13 Culturable Command Area and Potential Created

State : WEST BENGAL

(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.	BANKURA	36807	27219	21173	801	16964	66157
2.	BIRBHUM	39300	21345	20030	1939	16485	59799
3.	BURDWAN	108861	71176	32739	4591	63531	172037
4.	COOCHBEHAR	36737	31398	22809	338	18913	73458
5.	DAKSHIN DINAJPUR	28220	18378	14972	454	7459	41263
6.	DARJEELING	3322	4222	725	29	131	5107
7.	HOOGLY	53570	35545	28972	1852	20642	87011
8.	HOWRAH	1901	1162	1192	28	1024	3406
9.	JALPAIGURI	13296	10753	6395	432	1132	18712
10.	MALDA	77436	41477	30349	2624	34466	108916
11.	MIDNAPORE	160058	66287	75666	5554	55404	202911

Sl. No.	Name of District	Supplementary Irrigation in 1993-94				
		Kharif	Rabi	Perenial	Others	Total
1	2	3	4	5	6	7
1.	BANKURA	2510	1210	49	398	4167
2.	BIRBHUM	1720	584	57	721	3082
3.	BURDWAN	3337	1233	39	4110	8719
4.	COOCHBEHAR	445	408	17	114	984
5.	DAKSHIN DINAJPUR	400	557	19	237	1213
6.	DARJEELING	2	7	0	0	9
7.	HOOGLY	2282	1716	754	382	5134
8.	HOWRAH	1	0	0	0	1
9.	JALPAIGURI	103	170	0	18	291
10.	MALDA	31	33	3	9	76
11.	MIDNAPORE	2220	3120	253	1181	6774
12.	MURSHIDABAD	1976	1608	651	513	4748
13.	NADIA	1239	1140	32	9	2420
14.	NORTH 24 PARGANAS	316	523	4	58	901
15.	PURULIA	0	0	0	0	0
16.	SOUTH 24 PARGANAS	0	13	0	4	17
17.	UTTAR DINAJPUR	643	540	0	737	1920
State Total :		17225	12862	1878	8491	40456

MINOR IRRIGATION CENSUS(1993-94)

SHALLOW TUBEWELL (COMPLETED) SCHEDULE A-2

Table 2.16 Tubewells according to the constraints

State : WEST BENGAL

(in Nos.)

Sl. No.	Name of District	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.	BANKURA	21552	0	2391	770	2043	16348	21552	21552
2.	BIRBHUM	18619	0	666	411	2625	14917	18619	18619
3.	BURDWAN	44076	0	2479	869	4330	36398	44076	44076
4.	COOCHBEHAR	21527	0	484	1124	1164	18755	21527	21527
5.	DAKSHIN DINAJPUR	12414	0	266	519	3252	8377	12414	12414
6.	DARJEELING	2202	0	10	26	11	2155	2202	2202
7.	HOOGLY	19624	0	2962	684	3500	12478	19624	19624
8.	HOWRAH	1027	0	50	106	446	425	1027	1027
9.	JALPAIGURI	5849	0	1352	515	458	3524	5849	5849
10.	MALDA	28353	0	200	1958	1248	24947	28353	28353

11.	MIDNAPORE	60167	0	2754	2187	14831	40395	60167	60167
12.	MURSHIDABAD	73769	0	17575	7468	5336	43390	73769	73769
13.	NADIA	84085	0	2479	8069	880	72657	84085	84085
14.	NORTH 24 PARGANAS	56238	0	4196	1500	3318	47224	56238	56238
15.	PURULIA	10	0	0	1	2	7	10	10
16.	SOUTH 24 PARGANAS	6183	0	24	512	38	5609	6183	6183
17.	UTTAR DINAJPUR	33467	0	361	850	1584	30672	33467	33467
State Total :		489162	0	38249	27569	45066	378278	489162	489162