

Annexure 8.1

Water level and quality monitoring data (GWRDC) for unconfined aquifers in the district

Sr. No.	Location Taluka	Year	Water level bgl in (m)		Quality TDS in (ppm)	
	(Unit)		Pre-monsoon	Post-monsoon	Pre-monsoon	Post-monsoon
1	Pandva Vadgam (ERH)	1984	14.10	14.00	700	740
		1985	15.20	15.30	710	740
		1986	16.00	15.20	710	740
		1987	16.60	16.72	410	710
		1988	16.90	14.65	410	470
		1989	16.90	14.30	410	360
		1990	14.10	9.55	500	350
		1991	9.80	9.20	460	470
		1992	10.10	9.00	570	850
		1993	10.00	8.80	650	880
		1994	14.30	8.40	590	690
2	Nandotara Dhanera (ERH)	1984	15.10	15.50	1000	1000
		1985	16.40	15.50	1010	1000
		1986	16.40	16.35	1010	1000
		1987	17.00	17.50	836	900
		1988	18.80	16.65	836	790
		1989	17.80	16.60	760	650
		1990	17.80	16.60	710	650
		1991	15.80	16.60	710	650
		1992	16.10	15.20	460	980
		1993	16.70	15.70	910	820
		1994	18.35	18.85	1250	860
3	Kuchawad Deesa (ERH)	1984	5.70	5.60	820	820
		1985	7.90	7.90	830	820
		1986	9.00	10.30	830	800
		1987	14.00	14.40	770	780
		1988	11.50	11.80	920	880
		1989	14.30	12.25	800	770
		1990	14.00	11.10	610	1030
		1991	12.50	11.00	1060	1090
		1992	13.70	12.20	380	970
		1993	15.70	13.30	1380	2160
		1994	23.90	24.40	920	690
4	Hadad Danta (ERH)	1989	7.85	5.00	670	540
		1990	6.55	4.00	630	610
		1991	7.60	5.10	630	580
		1992	5.50	5.10	730	450
		1993	6.10	6.00	2030	1110
		1994	8.10	5.70	960	930
5	Ambaji	1989	11.90	6.50	490	800

	(ERH)	1991	7.50	3.15	1450	1450
		1992	3.30	3.10	1120	940
		1993	6.30	5.90	690	540
		1994	15.10	13.10	1120	470
6	Pilucha Vadgam (CAP)	1984	20.95	20.10	1150	1150
		1985	20.95	20.10	1150	1150
		1986	20.95	20.10	1150	1150
		1987	23.20	23.05	390	1150
		1988	20.00	22.85	400	1150
		1989	23.85	22.85	400	1150
		1990	22.70	21.50	430	320
		1991	23.80	20.70	330	400
		1992	24.10	22.30	380	380
		1993	23.90	21.00	520	740
		1994	25.70	20.10	570	930
7	Bhalgam Vadgam (CAP)	1984	10.10	10.05	650	640
		1985	10.40	9.85	650	650
		1986	10.20	10.25	640	650
		1987	10.75	11.30	240	600
		1988	11.45	10.00	240	600
		1989	10.75	9.80	360	280
		1990	10.50	9.90	440	260
		1991	10.30	8.70	610	440
		1992	11.20	9.10	440	620
		1993	11.20	9.00	740	420
		1994	11.40	11.70	860	720
8	Manpura Vadgam (CAP)	1984	16.90	16.45	1200	1150
		1985	19.60	20.00	1200	1400
		1986	19.60	20.00	1200	1400
		1987	24.00	24.50	1220	1400
		1988	25.20	19.40	1220	1980
		1989	24.00	19.40	1220	1980
		1990	21.80	19.40	2100	1980
		1991	21.50	19.40	2460	1980
		1992	22.30	20.10	800	600
		1993	22.40	20.00	320	660
		1994	23.90	16.70	750	650
9	Khimat Dhanera (CAP)	1984	11.40	11.30	1800	1800
		1985	16.20	14.70	1810	1800
		1986	16.30	17.00	1810	1800
		1987	20.28	20.50	1940	920
		1988	21.65	19.35	1940	950
		1989	21.30	21.00	800	430
		1990	22.10	21.00	810	640
		1991	23.30	20.85	800	500
		1992	22.10	21.00	410	960

10	Mandal Dhanera (CAP)	1993	22.90	22.70	740	960
		1994	23.90	24.00	1290	810
		1984	12.05	11.90	520	510
		1985	12.25	12.10	525	510
		1986	12.30	12.20	525	510
		1987	12.50	12.70	410	400
		1988	13.20	12.60	410	350
		1989	13.60	12.60	450	350
		1990	13.75	12.35	550	740
		1991	13.20	12.50	940	1370
		1992	12.80	11.70	560	970
		1993	13.10	11.90	530	590
		1994	13.00	14.10	1220	740
11	Dugdol Dhanera (CAP)	1984	18.30	18.20	810	800
		1985	8.60	20.00	810	800
		1986	20.40	19.20	820	800
		1987	19.30	19.45	470	420
		1988	21.50	2.00	470	440
		1989	21.90	21.70	1130	440
		1990	23.50	21.35	540	460
		1991	22.10	21.15	560	410
		1992	21.50	19.20	350	660
		1993	22.50	22.60	2130	1010
		1994	29.06	29.70	2160	740
12	Malotha Dhanera (CAP)	1984	7.20	7.10	610	600
		1985	9.40	10.10	610	600
		1986	10.00	12.50	610	600
		1987	14.80	15.10	410	580
		1988	15.50	15.40	410	580
		1989	17.80	17.10	440	380
		1990	18.25	16.95	390	770
		1991	18.00	18.30	390	990
		1992	18.50	17.30	790	900
		1993	19.80	19.60	980	980
		1994	29.10	32.10	980	980
13	Deesa Deesa (CAP)	1984	10.05	9.90	920	910
		1985	11.50	10.10	920	910
		1986	10.30	10.80	920	910
		1987	11.90	12.00	420	510
		1988	12.60	12.50	420	490
		1989	12.60	12.65	600	600
		1990	12.65	11.00	460	460
		1991	12.60	10.90	530	560
		1992	12.40	10.90	630	690
		1993	12.50	10.90	520	750

14	Kant Deesa (CAP)	1994	12.50	12.70	680	
		1984	16.70	16.60	300	
		1985	20.40	20.50	310	
		1986	22.70	23.00	310	
		1987	23.70	24.25	1190	
		1988	25.35	25.00	1190	
		1989	25.30	24.86	720	
		1990	25.50	23.90	680	
		1991	25.00	22.90	640	
		1992	24.30	22.10	470	
		1993	24.60	23.70	430	
		1994	25.60	22.70	950	
15	Sundha Palanpur (CAP)	1984	28.40	28.32	800	
		1985	28.55	24.00	810	
		1986	25.30	25.40	810	
		1987	25.30	25.20	810	
		1988	25.30	27.20	810	
		1989	21.70	27.20	950	
		1990	23.30	22.10	760	
		1991	24.10	21.10	750	
		1992	23.60	21.80	680	
		1993	23.90	22.80	690	
		1994	25.10	20.30	690	
16	Sodallpur Palanpur (CAP)	1984	14.90	14.70	700	
		1985	15.10	14.40	715	
		1986	15.30	15.50	980	
		1987	14.70	14.30	700	
		1988	16.70	14.10	1060	
		1989	14.90	13.50	1100	
		1990	14.90	13.50	1100	
		1991	14.10	13.70	1040	
		1992	14.50	13.20	480	
		1993	16.80	11.30	480	
		1994	16.85	14.50	480	
17	Terwada Kankrej (CAP)	1992	9.30	7.20	3840	
		1993	9.40	6.90	6920	
		1994	9.10	6.90	6690	
18	Ujjanwada Deodar (CAP)	1992	16.30	16.00	6500	
		1993	16.90	16.10	6100	
		1994	16.60	16.90	6670	
19	Khava Deodar (CAP)	1992	15.90	14.80	4260	
		1993	15.90	13.20	4120	
		1994	14.10	14.80	4170	

20	Varahi Santalpur (WSW)	1984	4.6	4.40	9470	9470
		1985	4.50	4.40	9470	9470
		1986	5.15	5.00	9470	17488
		1987	5.20	5.10	14700	18150
		1988	5.60	4.45	14700	18150
		1989	5.05	4.80	14700	18150
		1990	4.90	4.90	14700	18150
		1991	4.15	4.90	14700	18150
		1992	4.40	3.30	8540	6720
		1993	4.20	3.20	8130	6800
		1994	3.90	2.10	7140	3420
21	Dev Radhanpur (WSW)	1984	7.00	5.10	-	-
		1985	6.10	5.90	-	-
		1986	6.70	6.30	-	-
		1987	6.75	6.60	-	-
		1988	6.70	5.00	-	-
		1989	5.80	4.78	-	-
		1990	6.05	5.10	-	-
		1991	5.00	5.00	-	-
		1992	6.10	3.90	-	-
		1993	5.40	3.60	-	-
		1994	5.20	2.20	-	-
22	Kiyal Tharad (WSW)	1984	6.40	5.70	1100	1400
		1985	7.30	6.20	1100	1400
		1986	7.10	6.90	700	1850
		1987	9.00	8.75	980	2000
		1988	9.50	7.00	1000	1800
		1989	9.80	11.25	2000	1800
		1990	11.45	12.32	2300	2200
		1991	10.60	10.00	2300	2000
		1992	11.94	10.35	2360	920
		1993	10.70	9.30	980	1050
		1994	10.34	9.02	810	1080
23	Limbuni Vav (WSW)	1992	4.35	3.30	25490	26690
		1993	3.90	3.50	27920	30790
		1994	3.75	2.05	28000	30040
24	Jelina Vav (WSW)	1992	7.30	6.00	9020	9500
		1993	6.65	4.15	9730	13230
		1994	4.00	2.30	12000	12360

ANNEXTURE 8.2

Water level and quality monitoring data (GWRDC) for confined aquifer in the district.

Sr. no.	Location Taluka	Year	Water level in m bgl		Quality TDS in ppm	
	(Unit)		Pre- monsson	Post- monsoon	Pre-monsoon	Post-monsoon
1	Vaghrol Palanpur (ERH)	1984	9.9	18.6	370	310
		1985	13.6	16.1	370	310
		1986	18.9	19.8	370	310
		1987	14.8	15.7	300	300
		1988	17.6	17.0	310	350
		1989	17.9	16.5	370	310
		1990	25.0	27.0	310	310
		1991	26.1	26.2	300	300
		1992	27.1	31.3	440	900
		1993	33.4	31.3	270	900
		1994	33.4	31.4	910	510
2	Chandisar Palanpur (ERH)	1984	18.7	24.8	680	660
		1985	24.6	30.2	680	660
		1986	31.0	31.6	680	660
		1987	33.8	31.6	660	660
		1988	33.7	33.5	660	650
		1989	36.7	35.1	610	600
		1990	36.7	37.1	610	510
		1991	47.7	38.1	610	600
		1992	39.1	43.2	650	810
		1993	55.7	43.2	680	810
		1994	55.7	43.2	1180	810
3	Pilucha Vadgam (CAP)	1984	24.7	24.4	390	320
		1985	25.4	26.3	330	320
		1986	27.4	28.2	350	320
		1987	32.9	28.2	370	320
		1988	30.7	26.9	370	320
		1989	35.4	27.9	400	420
		1990	30.6	33.5	420	440
		1991	36.1	38.7	350	440
		1992	39.1	41.3	350	410
		1993	45.5	49.3	420	710
		1994	47.1	42.1	720	580
4	Khimat Dhanera (CAP)	1984	17.1	20.9	2000	1940
		1985	22.5	24.4	1960	2000
		1986	24.9	25.3	2010	2000
		1987	27.5	28.1	1240	2000
		1988	28.0	26.2	1240	2000
		1989	29.3	29.2	1090	1240

5	Limboi Vadgam (CAP)	1990	29.0	28.8	630	1190
		1991	30.1	28.0	630	1190
		1992	31.1	33.4	1070	1010
		1993	45.4	49.7	580	700
		1994	48.0	47.3	1000	500
		1984	20.5	17.9	530	525
		1985	15.7	17.8	540	530
		1986	18.7	19.2	580	530
		1987	23.8	24.1	340	530
		1988	26.7	22.1	340	550
6	Dama Deesa (CAP)	1989	26.1	23.1	470	330
		1990	28.3	25.6	370	400
		1991	31.8	29.2	370	400
		1992	29.3	38.0	580	490
		1993	46.3	38.0	580	490
		1994	46.3	45.0	500	510
		1984	22.2	27.7	1800	1790
		1985	23.6	24.5	1800	1800
		1986	25.2	24.5	1800	1800
		1987	25.6	24.8	1800	1390
7	Ratanpur Deesa (CAP)	1988	26.1	24.3	1800	1600
		1989	26.8	25.5	1800	1600
		1990	40.0	30.6	1440	1600
		1991	33.4	32.3	1060	1600
		1992	33.1	35.6	1060	620
		1993	33.1	35.6	2710	620
		1994	33.1	33.0	2710	620
		1984	20.6	21.2	900	680
		1985	20.9	22.2	890	900
		1986	23.1	23.5	920	900
8	Valer Dhanera (CAP)	1987	32.7	31.2	730	900
		1988	26.8	24.3	730	900
		1989	28.4	28.1	890	680
		1990	35.6	26.9	820	730
		1991	36.3	29.9	800	700
		1992	30.1	35.2	570	680
		1993	30.1	35.2	510	680
		1994	30.1	35.4	510	680
		1984	22.1	27.7	1800	1790
		1985	23.6	24.4	1800	1800
		1986	25.1	24.5	1800	1800
		1987	25.6	24.8	1800	1390
		1988	26.1	24.8	1800	1600
		1989	26.7	25.5	1800	1600
		1990	40.0	30.5	1440	1600

		1991	33.5	32.3	1060	
		1992	33.1	35.6	1060	
		1993	33.1	33.0	2710	
		1994	33.1	33.0	2710	
9	Totana Kankrej (CAP)	1992	12.7	10.4	-	
		1993	9.6	7.4	340	
		1994	9.8	4.5	1220	
10	Sihori Kankrej (CAP)	1992	28.0	40.0	910	
		1993	44.3	45.0	1100	
		1994	45.4	36.7	1200	
11	Khimana Kankrej (CAP)	1992	39.0	37.0	1510	
		1993	44.0	45.0	630	
		1994	44.5	42.0	650	
12	Dhunsol Deodar (CAP)	1992	20.0	20.0	1400	
		1993	23.7	23.3	1430	
		1994	24.5	20.8	1510	
13	Bhabhar Deodar (CAP)	1992	33.7	30.0	1210	
		1993	35.4	36.5	1100	
		1994	39.0	34.6	1160	
14	Ludara Deodar (CAP)	1992	26.9	25.0	1070	
		1993	27.6	23.2	1100	
		1994	29.8	27.0	1480	
15	Santalpur Santalpur (WSW)	1992	33.0	21.8	2650	3100
		1993	32.0	22.2	2910	3100
		1994	32.5	26.2	3460	5850
16	Bhilot Radhanpur (WSW)	1992	53.0	35.0	2400	2600
		1993	45.0	35.5	2690	2940
		1994	46.7	35.7	2870	2500
17	Vedh Tharad (WSW)	1992	25.7	24.0	1390	1480
		1993	26.9	25.0	1480	1520
		1994	27.3	18.8	1490	1920
18	Benup Vav (WSW)	1992	48.7	32.3	1830	1730
		1993	47.3	36.4	1870	1910
		1994	48.9	48.2	2000	1999