LIST OF GRAPHS

Graph	Title	Page
5.1	Rainfall & Common Departure from Normal for Bhavnagar	136
5.2	Rainfall & C Departure from Normal for Talaja	136
5.3	Rainfall & C Departure from Normal for Mahuva	139
5.4	Rainfall & Communication Departure from Normal for Rajula	139
5.5	Rainfall & C 2 Departure from Normal for Jafrabad	139
5.6	Rainfall & C Departure from Normal for Una-Madhavpur	140
5.7	Area Affected by Seawater Ingress, Freshwater Area & Rainfall for Mahuva	143
5.8	Area Affected by Seawater Ingress, Freshwater Area & Rainfall for Una	143
5.9	Area Affected by Seawater Ingress, Freshwater Area & Rainfall for Rajula	143
5.10	Area Affected by Seawater Ingress, Freshwater Area & Rainfall for Jamnagar	144
5.11	Area Affected by Seawater Ingress, Freshwater Area & Rainfall for Jodiya	144
5.12	Area Affected by Seawater Ingress, Freshwater Area & Rainfall for Lalpur	144
5.13	Rainfall, Departure from Normal rainfall & Average Annual Rainfall for Medha Creek TR	145
5.14	Relation between Elevation v/s Area for Medha Creek TR	146
5.15	Relation between Elevation v/s Volume for Medha Creek TR	146
5.16	Relation between Area v/s Volume for Medha Creek TR	146
5.17	Cooper-Jacob's Log-Log Graph for Pumping Test Carried out at Village Ambarama	149
5.18	Cooper-Jacob's Log-Log Graph for Recuperation Test Carried out at Village Ambarama	150
5.19	Recharge Rate Graph for Medha Creek TR	155
5.20	Log-Log Graph for Recharge Rate v/s Cumulative Days for Medha Creek TR – Year 1999	156
5.21	Log-Log Graph for Recharge Rate v/s Cumulative Days for Medha Creek TR – Year 2000	156
5.22	Log-Log Graph for Recharge Rate v/s Cumulative Days for Medha Creek TR – Year 2002	156

	Graph	Title applementation of the second se	Page
	5.23	Log-Log Graph for Recharge Rate v/s Cumulative Days for Medha Creek TR – Year 2003	157
	5.24	Rainfall, Departure from Normal rainfall & Average Annual Rainfall for Meghal TR	173
	5.25	Relation between Elevation v/s Area for Meghal TR	176
	5.26	Relation between Elevation v/s Volume for Meghal TR	177
	5.27	Relation between Area v/s Volume for Meghal TR	177
	5.28	Cooper-Jacob's Log-Log Graph for Pumping Test carried out at Village Visanvel	179
,	5.29	Cooper-Jacob's Log-Log Graph for Recuperation Test carried out at Village Visanvel	181
	5.30	Recharge Rate Graph for Meghal Tidal Regulator	186
	5.31	Log-Log Graph for Recharge Rate v/s Cumulative Days for Meghal TR -Year 1998	187
	5.32	Log-Log Graph for Recharge Rate v/s Cumulative Days for Meghal TR –Year 2000	187
	5.33	Log-Log Graph for Recharge Rate v/s Cumulative Days for Meghal TR -Year 2001	187
	5.34	Log-Log Graph for Recharge Rate v/s Cumulative Days for Meghal TR –Year 2003	188
	5.35	Rainfall, Departure from Normal rainfall & Average Annual Rainfall for Mul Dwarka TR	210
	5.36	Relation between Elevation v/s Area for Mul Dwarka TR	211
	5.37	Relation between Elevation v/s Volume for Mul Dwarka TR	211
	5.38	Relation between Area v/s Volume for Mul Dwarka TR	211
	5.39	Cooper-Jacob's Log-Log Graph for Pumping Test carried out at Village Math	213
	5.40	Cooper-Jacob's Log-Log Graph for Recuperation Test carried out at Village Math	216
	5.41	Recharge Rate Graph for Mul Dwarka Tidal Regulator	222
	5.42	Log-Log Graph for Recharge Rate v/s Cumulative Days for Mul Dwarka TR – Year 1999	223
	5.43	Log-Log Graph for Recharge Rate v/s Cumulative Days for Mul Dwarka TR – Year 2001	223
	5.44	Log-Log Graph for Recharge Rate v/s Cumulative Days for Mul Dwarka TR - Year 2002	223
	5.45	Log-Log Graph for Recharge Rate v/s Cumulative Days for Mul Dwarka TR – Year 2003	224
	5.46	Relation between Elevation v/s Area for Barda Bandhara	243
	5.47	Relation between Elevation v/s Volume for Barda Bandhara .	244
	5.48	Relation between Area v/s Volume for Barda Bandhara	244

	Graph	Title Institute	age
	5.49	Recharge Rate Graph for Barda Bandhara	249
	5.50	Log-Log Graph for Recharge Rate v/s Cumulative Days for Barda Bandhara – Year 1999	250
!	5.51	Log-Log Graph for Recharge Rate v/s Cumulative Days for Barda Bandhara – Year 2001	250
!	5.52	Log-Log Graph for Recharge Rate v/s Cumulative Days for Barda Bandhara – Year 2002	250
* *************************************	5.53	Log-Log Graph for Recharge Rate v/s Cumulative Days for Barda Bandhara – Year 2003	251
	5.54	Rainfall, Departure from Normal rainfall & Average Annual Rainfall for Shardagram Bandhara	268
1	5.55	Relation between Elevation v/s Area for Shardagram Bandhara	268
,	5.56	Relation between Elevation v/s Volume for Shardagram Bandhara	269
	5.57	Relation between Volume v/s Area for Shardagram Bandhara	269
	5.58	Cooper-Jacob's Log-Log Graph for Pumping Test carried out at Village Langodra	271
	5.59	Recharge Rate Graph for Shardagram Bandhara	277
1	5.60	Log-Log Graph for-Recharge Rate v/s Cumulative Days for Shardagram Bandhara – Year 1998	278
	5.61	Log-Log Graph for Recharge Rate v/s Cumulative Days for Shardagram Bandhara – Year 2000	278
;	5.62	Log-Log Graph for Recharge Rate v/s Cumulative Days for Shardagram Bandhara – Year 2001	278
	5.63	Log-Log Graph for Recharge Rate v/s Cumulative Days for Shardagram Bandhara – Year 2003	279
	5.64	Log-Log Graph of Chloride to Carbonate and Bicarbonate Ratio v/s Cl ⁻ (in meq/l) – for Medha Creek TR Area	290
,	5.65	Log-Log Graph of Chloride to Carbonate and Bicarbonate Ratio v/s Cl ⁻ (in meq/l) – for Meghal TR Area	290
	5.66	Log-Log Graph of Chloride to Carbonate and Bicarbonate Ratio v/s Cl (in meq/l) – for Mul Dwarka TR Area	291
,	5.67	Log-Log Graph of Chloride to Carbonate and Bicarbonate Ratio v/s Cl (in meq/l) – for Barda Bandhara Area	291
	5.68	Log-Log Graph of Chloride to Carbonate and Bicarbonate Ratio v/s Cl ⁻ (in meq/l) – for Shardagram Bandhara Area	292
i t	5.69	% Change in Crop Production in Noli Basin	293
,	5.70	% Change in Crop Production in Meghal Basin	293
	5.71	% Change in Crop Production in Shingoda Basin	294
	5.72	% Change in Sugarcane Production in Shingoda Basin	294