

GHODASAR BRANCH CANAL (12986 ha CCA)

1	Name of Canal	:	GHODASAR BRANCH CANAL
2	Off taking chainage from NMC (Km.)	:	202.368 Kms.
3	Type of Canal	:	Ridge Canal
4	Length of Branch Canal (Km.)	:	21.540 Km.
5	F.S.L. of Main Canal (mt.)	:	68.540 m.
6	F.S.L. of Branch Canal (mt.)	:	
	Off Taking Point		67.700 m.
	Tail Point		45.830 m.
7	Breadth X Depth	:	3.00 m X 2.20 m
8	Discharge at head	:	12.84 cumecs (453 cusecs)

This 21.54 km long canal passes through Dehgam taluka of Gandhinagar District and Kathalal and Mahemdavad talukas of Kheda Districts. It emanates from Narmada Main Canal at ch. 202.368 kms near Bahiyal village (RL 67.700m) and runs upto tail near Ghodasar village of Mahemdavad taluka (RL45.830 m) .

There are Wheat, Paddy, Castor, Cotton, Bajari, Juwar crops generally being sown in the command area of this canal. The soil in the command area is of Sandy-loam type of soil. It serves 12986 Ha. CCA in the total command area of 19245 Ha.(GCA). The general slope in the canal reach is gradual. There are 06 nos of falls with total 13.50m drop.

The canal was constructed between 1996 to 2004 at a total cost of Rs 1012 lakh. It is capable of running discharge at head 12.84cumecs (453.44cusecs) and at tail 2.10 cumecs (74.15 cusecs).

There are 16 nos of bridges located on the canal for passing through the region.

There is no water supply network is constructed by the GWSSB.

Ghodasar Branch Canal

Canal Name	Canal Classification	Offtaking Chainage (km)	Total Length (km)	Completed Length (km)	Water Flown Length (km)	Ongoing work Length (km)	Yet to take up Length (km)	Total Sub Minors		Completed SM		SM to Takeup	
								Nos	CCA (Ha)	Nos	CCA (Ha)	Nos	CCA (Ha)
Ghodasar	Branch	202.368	21.54	21.54	21.54	0	0	275	12986	266	12582.86	9	403.14
Bahiyal Direct Minor	Minor (Open)	0.16	2.43	2.43	2.43	0	0	9	465.14	9	465.14	0	0
Ravdavat Direct Minor	Minor (Open)	0.5	5.95	5.95	5.95	0	0	13	582	13	582	0	0
Kanipur	Distributary	2.03	2.33	2.33	2.33	0	0	30	1460	30	1460	0	0
Hilol Vasma minor	Minor (Open)	0.02	2.1	2.1	2.1	0	0	6	314	6	314	0	0
kanipur minor-1	Minor (Open)	0.625	0.03	0.03	0.03	0	0	2	120	2	120	0	0
kanipur minor-2	Minor (Open)	2.33	1	1.08	1.08	0	0	5	190	5	190	0	0
Mirapur Minor	Minor (Open)	2.33	5.53	5.53	5.53	0	0	17	836	17	836	0	0
Hilol	Distributary	5.85	5.79	5.79	5.79	0	0	69	3416.43	67	3311.07	2	105.36
Badarpur Minor	Minor (Open)	0.06	5.7	5.7	5.7	0	0	15	761.12	13	655.76	2	105.36
Hilol Minor-1	Minor (Open)	1.81	3.48	3.48	3.48	0	0	10	485.01	10	485.01	0	0
Hilol Minor-2	Minor (Open)	3.39	3.66	3.66	3.66	0	0	9	458.05	9	458.05	0	0
Wadod Minor-1	Minor (Open)	5.79	9.15	9.15	9.15	0	0	19	899.05	19	899.05	0	0
Wadod Minor-2	Minor (Open)	5.79	7.62	7.62	7.62	0	0	16	813.2	16	813.2	0	0
Sandesar	Distributary	5.85	0.04	0.04	0.04	0	0	20	958.94	20	958.94	0	0
Sandesar Minor	Minor (Open)	0.03	4.96	4.96	4.96	0	0	11	527.94	11	527.94	0	0
Sarkhej Minor	Minor (Open)	0.03	4.35	4.35	4.35	0	0	9	431	9	431	0	0

Canal Name	Canal Classification	Offtaking Chainage (km)	Total Length (km)	Completed Length (km)	Water Flown Length (km)	Ongoing work Length (km)	Yet to take up Length (km)	Total Sub Minors		Completed SM		SM to Takeup	
								Nos	CCA (Ha)	Nos	CCA (Ha)	Nos	CCA (Ha)
Gokulpura	Distributary	12.1	3.887	3.887	3.887	0	0	33	1544.39	32	1513.14	1	31.25
Khalal Minor-1	Minor (Open)	0.74	1.07	1.07	1.07	0	0	4	221.71	4	221.71	0	0
Khalal Minor-2	Minor (Open)	0.98	2.26	2.26	2.26	0	0	6	242.15	6	242.15	0	0
Ranodara Minor-1	Minor (Open)	3.89	4.47	4.47	4.47	0	0	10	450.92	9	419.67	1	31.25
Ranodara Minor-2	Minor (Open)	3.89	4.91	4.91	4.91	0	0	13	629.61	13	629.61	0	0
Haldarvas Direct Minor	Minor (Open)	12.1	8.27	8.27	8.27	0	0	21	891	20	844.77	1	46.23
Hathnoli Direct Minor	Minor (Open)	14.4	7.99	7.99	7.99	0	0	18	920	18	920	0	0
Chavalaj	Distributary	17.9	0.75	0.75	0.75	0	0	25	1172.3	23	1099.8	2	72.5
Nani adboli Minor	Minor (Open)	0.02	1.86	1.86	1.86	0	0	4	192	4	192	0	0
Chavalaj minor	Minor (Open)	0.75	7.47	7.47	7.47	0	0	12	544	10	471.5	2	72.5
Govindra Minor	Minor (Open)	0.75	4.8	4.8	4.8	0	0	8	436.3	8	436.3	0	0
Moti adboli Direct Minor	Minor (Open)	17.9	2.49	2.49	2.49	0	0	8	328	8	328	0	0
Kuna Direct Minor	Minor (Open)	21.54	6.95	6.95	6.95	0	0	13	552.8	11	465	2	87.8
Rohisa Direct Minor	Minor (Open)	21.54	9.34	9.34	9.34	0	0	16	695	15	635	1	60