

MEHMDAVAD BRANCH CANAL (11644 ha CCA)

1	Name of Canal	:	MEHMDAVAD BRANCH CANAL
2	Off taking chainage from NMC (Km.)	:	187.074 Kms.
3	Type of Canal	:	Ridge Canal
4	Length of Branch Canal (Km.)	:	13.995 Km.
5	F.S.L. of Main Canal (mt.)	:	70.354 m.
6	F.S.L. of Branch Canal (mt.)	:	
	Off Taking Point		69.380 m.
	Tail Point		57.113 m.
7	Breadth X Depth	:	4.00 m X 2.40 m
8	Discharge at head	:	9.86 cumecs (348 cusecs)

This 13.925 Km long Mahemdavad Branch canal passes through Kapadwanj and Kathalal Taluka of Kheda Districts. It emanates from Narmada Main Canal at Ch 187.074 Kms near village Antroli (RL69.38 m) and runs upto tail near village Kathlal (RL57.185 m) .

There are Bajra, Pulses, Wheat, Paddy, Maize, Caster generally being sown in the command area of this canal. The soil in the command area is of Sandy soil. It serves 11644 Ha. CCA in the total command area of 14267 Ha (GCA.) The general slope in the canal reach is gradual/undulating. There are 3 Nos of falls with total 6.40 m drop of all falls constructed on the canal to traverse the geography.

The canal was constructed between 1997 to 2002 at a total cost of Rs 631.00 lakh. It is capable of running discharge at head 9.86 cumecs (348.21 cusecs) and at tail 0.729 cumecs (25.74 cusecs).

There are total 10 bridges and 3 nalla crossings located on the canal for passing through the region. This canal serves 11.807 Lakh people of 46 no of villages of Kathalal, Mahudha, Mahemdavad and Kapadwanj talukas of Kheda districts through the water supply network fetching water from this canal at Antroli village.

The water supply network is constructed by the GWSSB.

Mahemdavad 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)
Mahemdavad	Branch	187.074	13.925	13.925	13.925	0	0	267	11643.98	255	11215.7	12	428.28
DASALWADA direct minor	Minor (Open)	0.15	12.42	12.42	12.42	0	0	15	596	14	555	1	41
Aral	Distributary	2.25	5.335	5.335	5.335	0	0	53	2282.73	48	2071.98	5	210.75
TORNA	Minor (Open)	1.54	5.55	5.55	5.55	0	0	16	609.22	14	539.85	2	69.37
KHADAL	Minor (Open)	4.122	6.3	6.3	6.3	0	0	15	660.86	12	519.48	3	141.38
CHHIPADI	Minor (Open)	5.335	5.1	5.1	5.1	0	0	10	526.99	10	526.99	0	0
ARAL TAIL	Minor (Open)	5.335	3.62	3.62	3.62	0	0	12	485.66	12	485.66	0	0
Kaniel	Distributary	3.86	13.495	13.495	13.495	0	0	80	3787.12	77	3651.59	3	135.53
Torna - 1	Minor (Open)	0.44	2.44	2.44	2.44	0	0	6	284	6	284	0	0
Torna - 2	Minor (Open)	2.7	4.86	4.86	4.86	0	0	7	344.75	7	344.75	0	0
Kaniel	Minor (Open)	8.245	3.285	3.285	3.285	0	0	13	585	12	547.86	1	37.14
CHHIPADI	Minor (Open)	9.87	3.12	3.12	3.12	0	0	9	375.38	9	375.38	0	0
Bagdol -2	Minor (Open)	11.835	7.085	7.085	7.085	0	0	5	688.64	5	290.29	0	0
Bagdol- 1	Minor (Open)	11.835	6.24	6.24	6.24	0	0	15	527.66	14	655.13	1	33.51
Bagdol sub distry	Distributary	11.835	0.54	0.54	0.54	0	0						
Chhipiyal tail	Minor (Open)	12.955	7.235	7.235	7.235	0	0	14	691.46	14	691.4	0	0
Gangiyel	Minor (Open)	12.955	4.56	4.56	4.56		0	5	290.23	4	225.35	1	64.88

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)
Bhatera	Distributary	3.87	2.7	2.7	2.7	0	0	29	1295	29	1295	0	0
Dasalwada	Minor (Open)	0.04	6.96	6.96	6.96	0	0	7	292	7	292	0	0
Porda tail	Minor (Open)	2.65	5.52	5.52	5.52	0	0	12	585	12	585	0	0
Bhatera	Minor (Open)	2.65	3.39	3.39	3.39	0	0	10	418	10	418	0	0
Bhatera direct minor	Minor (Open)	7.45	4.52	4.52	4.52	0	0	13	587	13	587	0	0
Jitpur direct minor	Minor (Open)	7.46	4.805	4.805	4.805	0	0	8	350	8	350	0	0
Kathalal direct minor	Minor (Open)	10.865	2.65	2.65	2.65	0	0	6	272	6	272	0	0
Sarali direct minor	Minor (Open)	10.875	4.57	4.57	4.57	0	0	11	496	11	496	0	0
Pithai	Distributary	13.97	1.235	1.235	1.235	0	0	39	1541	36	1500	3	41
Bhaner	Minor (Open)	0.03	4.24	4.24	4.24	0	0	13	525	12	519	1	6
Pithai tail	Minor (Open)	1.235	5.25	5.25	5.25	0	0	6	277	6	277	0	0
Pithai minor - 1	Minor (Open)	1.235	2.555	2.555	2.555	0	0	7	273	7	273	0	0
Pithai branch minor 1	Minor (Open)	1.75	2.72	2.72	2.72	0	0	10	370	8	335	2	35
Pithai branch minor 2	Minor (Open)	2.815	1.57	1.57	1.57	0	0	3	96	3	96	0	0
Kathlal	Distributary	13.975	0.795	0.795	0.795	0	0	13	437.13	13	437.13	0	0
Kathlal tail	Minor (Open)	0.795	3.55	3.55	0	0	0	9	272.13	9	272.13	0	0
Bhaner tail	Minor (Open)	0.795	2	2	0	0	0	4	165	4	165	0	0