

## VEHLAL BRANCH CANAL (15534 ha CCA)

<b>1</b>	Name of Canal	:	<b>VEHLAL BRANCH CANAL</b>
<b>2</b>	Off taking chainage from NMC (Km.)	:	212.546 Kms.
<b>3</b>	Type of Canal	:	Ridge Canal
<b>4</b>	Length of Branch Canal (Km.)	:	24.580 Km.
<b>5</b>	F.S.L. of Main Canal (mt.)	:	67.310 m.
<b>6</b>	F.S.L. of Branch Canal (mt.)	:	
	Off Taking Point		65.090 m.
	Tail Point		39.500 m.
<b>7</b>	Breadth X Depth	:	2.90 m X 2.50 m
<b>8</b>	Discharge at head	:	18.866 cumecs (666 cusecs)

This Vehlal Branch canal is 24.580 km long. Canal passes through Dehgam taluka of Gandhinagar, Daskroi taluka of Ahmedabad and Mahemdavad taluka of Kheda Districts. The area between Meshwo and Khari River is served by this branch canal. It emanates from Narmada main canal at ch. 212.546 km near village Harsoli ta. Dehgam R L 65.090 m and runs upto tail near village Raska Taluka Mehmedabad and District Kheda RL 39.500 m.

There are crops like Paddy, Bajra, Castor, Wheat, Cotton and Vegetables being generally sown in the command area. The soil in the command area is of alluvial soils and sandy Clays and Black cotton soil also. It serves 15534 Ha. CCA in the total command area of 18248 Ha.GCA. The general slope of canal is gradual. There are five no of fall with total 18.60 m drop.

The canal was constructed between 1996 to 2004 of total cost of 1155 lakhs. It is capable of running discharge at head 18.866 cumecs ( 666.25 cusecs) and at tail 6.806 cumecs (240.32 cusecs).

There are total 9 bridges and 5 nalla crossings located on the canal for passing through the region. This canal serves population in 1.87 Lakh people of 57 of villages of names of Daskroi talukas of Ahmedabad districts through the water supply network fetching water from this canal at Harsoli Village headworks. The water supply network is constructed by the GWSSB.

It has a provision of Canal Escape at 19 km near village Dhamatvan, for the safety of Canal. There is a provision of H.R for Meshwo feeder at tail of Branch Canal i.e. ch. 24.50 km.

### Vehlal 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)
<b>Vehlal</b>	<b>Branch</b>	<b>212.576</b>	<b>24.58</b>	<b>24.58</b>	<b>24.58</b>	<b>0</b>	<b>0</b>	<b>365</b>	<b>15533.97</b>	<b>338</b>	<b>14458.73</b>	<b>27</b>	<b>1075.24</b>
HMK Direct Mr	Minor (Open)	0.135	11.09	11.09	11.09	0	0	26	910	26	910	0	0
Jhanu	Distributary	0.175	10.35	10.35	10.35	0	0	68	3050	64	2911	4	139
Harsoli Karoli	Minor (Open)	0.21	3.01	3.01	3.01	0	0	7	275	7	275	0	0
Kadadara-Vehlal	Minor (Open)	1.717	3.616	3.616	3.616	0	0	10	472	10	472	0	0
Kadadara	Minor (Open)	3.3	2.36	2.36	2.36	0	0	6	267	4	200	2	67
Jhank Vehlal	Minor (Open)	5.44	5.8	5.8	5.8	0	0	10	437	8	365	2	72
Vehlal	Minor (Open)	7.59	0.93	0.93	0.93	0	0	4	142	4	142	0	0
Vehlal Huka	Minor (Open)	8.88	1.47	1.47	1.47	0	0	4	169	4	169	0	0
Vehlal Huka Bharkunda	Minor (Open)	8.88	4.3	4.3	4.3	0	0	9	374	9	374	0	0
Jhanu-2	Minor (Open)	10.355	4.61	4.61	4.61	0	0	9	442	9	442	0	0
Jhanu-1	Minor (Open)	10.355	5.76	5.76	5.76	0	0	9	472	9	472	0	0
Karoli Kubadthal Direct Mr	Minor (Open)	3.24	9.71	9.71	9.71	0	0	21	890.97	21	890.97	0	0
Karoli Pasunj Kubadthal Direct Mr	Minor (Open)	4.41	2.9	2.9	2.9	0	0	9	374	9	374	0	0
Pasunj Pasuniya Kuha	Minor (Open)	5.9	9.86	9.86	9.86	0	0	19	945.01	15	739.95	4	205.06

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								Nos	CCA (Ha)	Nos	CCA (Ha)	Nos	CCA (Ha)
<b>Kujad</b>	<b>Distributary</b>	<b>7.76</b>	<b>5.98</b>	<b>5.98</b>	<b>5.98</b>	<b>0</b>	<b>0</b>	<b>47</b>	<b>1885.78</b>	<b>44</b>	<b>1754.13</b>	<b>3</b>	<b>131.65</b>
Kubadthal	Minor (Open)	0.76	2.55	2.55	2.55	0	0	4	164	4	164	0	0
Kubadthal Kuha Bhavda	Minor (Open)	1.937	2.752	2.752	2.752	0	0	11	507	8	375.35	3	131.65
Kujad	Minor (Open)	4.733	0.593	0.593	0.593	0	0	6	156.78	6	156.78	0	0
Kujad Bakrol	Minor (Open)	5.9	4.448	4.448	4.448	0	0	9	382	9	382	0	0
Kujad Bakrol Gatrad	Minor (Open)	5.9	6.442	6.442	6.442	0	0	17	676	17	676	0	0
<b>Pasunj Kuha Direct Mr</b>	<b>Minor (Open)</b>	<b>7.89</b>	<b>2.88</b>	<b>2.88</b>	<b>2.88</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>335</b>	<b>8</b>	<b>335</b>	<b>0</b>	<b>0</b>
<b>Kuha Direct Mr</b>	<b>Minor (Open)</b>	<b>10.83</b>	<b>1.45</b>	<b>1.45</b>	<b>1.45</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>257</b>	<b>6</b>	<b>257</b>	<b>0</b>	<b>0</b>
<b>Bhavda Undrel Direct Mr-1</b>	<b>Minor (Open)</b>	<b>11.98</b>	<b>4.64</b>	<b>4.64</b>	<b>4.64</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>490</b>	<b>10</b>	<b>490</b>	<b>0</b>	<b>0</b>
<b>Bhavda Bakrol Direct Mr</b>	<b>Minor (Open)</b>	<b>12.01</b>	<b>4.665</b>	<b>4.665</b>	<b>4.665</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>448.21</b>	<b>9</b>	<b>448.21</b>	<b>0</b>	<b>0</b>
<b>Bhavda Undrel Direct Mr-2</b>	<b>Minor (Open)</b>	<b>15.06</b>	<b>4.378</b>	<b>4.378</b>	<b>4.378</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>677.93</b>	<b>14</b>	<b>677.93</b>	<b>0</b>	<b>0</b>
<b>Bhuval</b>	<b>Distributary</b>	<b>16.66</b>	<b>1.21</b>	<b>1.21</b>	<b>1.21</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>1091.67</b>	<b>18</b>	<b>732.79</b>	<b>8</b>	<b>358.88</b>
Dhamatvan Harniyav	Minor (Open)	0.02	2.674	2.674	2.674	0	0	7	270.4	7	270.4	0	0
Harniyav Bhuval	Minor (Open)	1.21	6.26	6.26	3	0	0	12	506.7	4	147.82	8	358.88
Harniyav Dhamatvan	Minor (Open)	1.21	1.93	1.93	1.93	0	0	7	314.57	7	314.57	0	0

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								Nos	CCA (Ha)	Nos	CCA (Ha)	Nos	CCA (Ha)
<b>Wanch</b>	<b>Distributary</b>	<b>16.66</b>	<b>5.3</b>	<b>5.3</b>	<b>5.3</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>989</b>	<b>24</b>	<b>870</b>	<b>4</b>	<b>119</b>
Dhamatvan Wanch-I	Minor (Open)	0.02	1.42	1.42	1.42	0	0	3	118	3	118	0	0
Dhamatvan Wanch-II	Minor (Open)	1.605	1.79	1.79	1.79	0	0	5	169	5	169	0	0
Dhamatvan Wanch-IV	Minor (Open)	4.37	4.37	4.37	4.37	0	0	14	486	10	367	4	119
Dhamatvan Wanch-III	Minor (Open)	4.825	1.29	1.29	1.29	0	0	3	81	3	81	0	0
Dhamatvan Wanch-V	Minor (Open)	5.3	1.26	1.26	1.26	0	0	3	135	3	135	0	0
<b>Hirapur</b>	<b>Distributary</b>	<b>20.58</b>	<b>7.16</b>	<b>7.16</b>	<b>7.16</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>849.19</b>	<b>17</b>	<b>727.54</b>	<b>4</b>	<b>121.65</b>
Badodara	Minor (Open)	2.73	1.638	1.638	1.638	0	0	3	111.62	1	56.42	2	55.2
Badodara Nandej-1	Minor (Open)	3.655	1.3	1.3	1.3	0	0	6	232.27	4	165.82	2	66.45
Badodara Nandej-2	Minor (Open)	5.85	0.94	0.94	0.94	0	0	4	144.76	4	144.76	0	0
Sher	Minor (Open)	7.153	1.48	1.48	1.48	0	0	3	133.85	3	133.85	0	0
Devdi	Minor (Open)	7.153	2.48	2.48	2.48	0	0	5	226.69	5	226.69	0	0
<b>Harniyav Raska Direct mr</b>	<b>Minor (Open)</b>	<b>20.58</b>	<b>3.1</b>	<b>3.1</b>	<b>3.1</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>395.68</b>	<b>9</b>	<b>395.68</b>	<b>0</b>	<b>0</b>
<b>Hirapur Direct Mr</b>	<b>Minor (Open)</b>	<b>20.63</b>	<b>3.31</b>	<b>3.31</b>	<b>3.31</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>373.3</b>	<b>9</b>	<b>373.3</b>	<b>0</b>	<b>0</b>
<b>Raska Kanij-1 Direct Mr</b>	<b>Minor (Open)</b>	<b>24.58</b>	<b>8.39</b>	<b>8.39</b>	<b>3.712</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>765.85</b>	<b>18</b>	<b>765.85</b>	<b>0</b>	<b>0</b>
<b>Raska Kanij-2 Direct Mr</b>	<b>Minor (Open)</b>	<b>24.58</b>	<b>6.33</b>	<b>6.33</b>	<b>6.33</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>805.38</b>	<b>17</b>	<b>805.38</b>	<b>0</b>	<b>0</b>