

**Construction of “Shri Swami Dayanand Saraswati” bridge across river Tapi joining Kapodra (Bharvad Faliya) and Utran in Surat city
(Under SJMMSVY)**



1.	Location	: On river Tapi joining Bharwad falia -Kapodara to Utran
2.	River/ Nala/ Creek	: River bridge
3.	Lane	: 2 lane up + 2 down (4 lane)
4.	Year of Construction	: May - 2012
5.	Project Cost	: Rs. 7714.95 Lacs
6.	Details of Bridge	:
	(i) Length of Bridge (Between ends of Decking)	: 705 mt.
	(ii) Width of Bridge	: Bridge portion 21.425 mtr. & Approach Portion 16.825 mtr.
	(iii) Number of Span	: 16
	(iv) Span Length	: 12 * 50 mt., 3 * 25 mt. & 1 * 30 mt.
	(v) Carriage Way	: 7.5 mt. on both side+ 2 mt. Footpath on both side
	(vi) Length of R.C.C. Approaches &Returns	: Kapodra side - 145.45 mt. Utran side - 227.88 mt.
7.	(i) Design Discharge	: 12 Lacs Cusecs
	(ii) Design H.F.L.	: 16.505 mt.
	(iii) Type of Bridge	: High Level bridge
	(iv) F.R.L.	: 22.080 mt.
8.	Structural Details	:
	(i) Foundation	: Pile Foundation
	(ii) Substructure	: RCC Wall type pier
	(iii) Superstructure	: PSC 'I' Girder
9.	Name of Contractor	: Vijay M. Mistry Construction Pvt. Ltd., Ahmedabad
10.	Name of Design Consultant	: S.N.Bhobe & Associates Pvt. Ltd., Navi mumbai.
11.	Name of Project Management Consultant	: Technogem Consultant Pvt. Ltd., Thane.
12.	Name of Proof Consultant	: Sardar Vallabhbai National Institute of Technology (SVNIT), Surat.