

Construction of “ Shri Chhatrapati Shivji” bridge in place of Hope Bridge across River Tapi joining Chowk & Adajan area, Surat



01	Location	:	Construction of Bridge in place of Hope Bridge Across River Tapi joining Chowk & Adajan area, Surat.
02	River/ Nala/ Creek	:	River
03	Lane	:	Two
04	Year of Construction	:	April 2015
05	Cost	:	Rs.7066.50 Lacs
06	Details of Bridge	:	
	(i) Length of Bridge (Between ends of Decking)	:	697.984 mt.
	(ii) Width of Bridge	:	12.00 mt.
	(iii) Number of Span	:	15 Nos. (New Bridge in place of Hope Bridge) 02 Nos. (Towards Adajan side for extension of Nehru Bridge)
	(iv) Span Length	:	50.60mt. X 12 No. + 43.75x 4+16.0 x 1 No. 42.80 +34.92 + 8.00 mt. (Nehru bridge)
	(v) Carriage Way	:	7.50 mt. (Chowk to Adajan Traffic) Footpath : 3.50 mt (Heritage WALK WAY)
	(vi) Length of R.C.C. Approaches &Returns	:	Adajan side 280.00 mt. Chowk side 57.00 mt.
07	(i) Design Discharge	:	-----
	(ii) Design H.F.L.	:	12.90 mt. R.L. (Y-2006)
	(iii) Type of Bridge	:	High Level
	(iv) F.R.L.	:	15.719 mtr
08	Structural Details	:	
	(i) Foundation	:	Pile Foundation (1500 mm dia)
	(ii) Substructure	:	R.C.C. Wall Type Pier & Pier Cap, Abutment
	(iii) Superstructure	:	PSC Voided Slab (M-50 Grade)
	(iv) General Items	:	-----
09	Name of Contractor	:	Vijay M. Mistry Construction Pvt Ltd., Ahmedabad.
10	Name of Design Consultant	:	Casad Consultant, Ahmedabad.
11	Name of Project Management Consultant	:	(Pankaj Patel & Associates, Ahmadabad) Pankaj M Patel Consultant Pvt Ltd., Ahmadabad
12	Name of Proof Checking Consultant	:	SVNIT, Surat, (R & B Design circle Gandhinagar)