

Construction of "Pandit Shyamji Krishna Verma" high level bridge across River Tapi at Amroli in Surat City Bridge across river Tapti near Amroli (Old)



1.	Location	Road from Surat to Kathor
2.	River/Nala/Creek	Tapi River
3.	Lane	Two
4.	Year of construction	1982
5.	Cost	Rs.124.37 Lacs
6.	Details of Bridge	
	(i) Length of Bridge between ends of decking	607.32 mtr.
	(ii) Width of Bridge	12.20 mtr.
	(iii) Number of span	12 Nos.
	(iv) Span Length	50.61 mtr.
	(v) Carriage Way	7.0 mtr+ 2.60 mtr. Wide footpath on both sides.
	(vi) Length of Returns	----
7.	(i) Design Discharge	33985 Cumecs
	(ii) Design H.F.L.	R.L. 15.00 mtr.
	(iii) Type of bridge	High level bridge
	(iv) F.R.L.	R.L. (-) 20.58 mtr
8.	Structural Details :	
	(i) Foundation.	Single circular c.c.well 9.15 mtr.(ext)dia. 22.25 Mtr deep below well cap.
	(ii) Substructure	Mass concrete piers and abutments in c.c.1:3:6
	(iii) Superstructure	Pre-stressed concrete 4 girder system with R.C.C. Deck slab in M-35 concrete.
	(iv) General Items	R.C.C. pre cast parapet
9.	Name of Contractor	Narandas Shamji and Company
10.	Name of Consultant	Govt. of Gujarat R & B Department.