

## Construction of "Pandit Shyamji Krishna Verma" high level bridge across river Tapi besides existing bridge at Amroli in Surat City



1.	<b>Location</b>	On U/s side of existing Tapi bridge of Amroli
2.	<b>River/Nala/Creek</b>	Tapi river
3.	<b>Lane</b>	Two
4.	<b>Year of construction</b>	July - 2010
5.	<b>Tender Cost</b>	Rs. 2405.32 Lacs
6.	<b>Details of Bridge</b>	
	<b>(i) Length of Bridge between ends of decking</b>	655.20 mt.
	<b>(ii) Width of Bridge</b>	11.600 mt.
	<b>(iii) Number of span</b>	15 nos.
	<b>(iv) Span Length</b>	12 spans of 50.60 mt., 2 spans of 20.0 mt. & 1 span of 8.0 mt.
	<b>(v) Carriage Way</b>	7.5 mt. with 2.0 mt wide footpath on one side
	<b>(vi) Length of R.C.C. Approaches &amp; Returns</b>	(i) Katargam side - 91.59 mt.
		(ii) Amroli side - 138.20 mt.
7.	<b>(i) Design Discharge</b>	12 lacs cusecs and foundation designed for 16 lacs cusecs
	<b>(ii) Design H.F.L.</b>	R.L. 16.25 mt.
	<b>(iii) Type of bridge</b>	High level Bridge
	<b>(iv) Finished Road top level</b>	21.055 mt.
8.	<b>Structural Details</b>	
	<b>(i) Foundation</b>	1500 mm dia pile foundation
	<b>(ii) Substructure</b>	R.C.C. Wall type solid piers
	<b>(iii) Superstructure</b>	Pre-stressed "I" beam girder & Deck slab
	<b>(iv) General Items</b>	POT-PTFE type bearing, Strip seal type Expansion joint & R.C.C. Retaining Wall
9.	<b>Name of Contractor</b>	Rajkamal Builders Infrastructure Pvt. Ltd., Ahmedabad.
10.	<b>Name of Design Consultant</b>	Stup Consultants Pvt. Ltd., Navi Mumbai
11.	<b>Name of Project management consultant</b>	S.N.Bhobe & Associates Pvt. Ltd, Navi Mumbai.
12.	<b>Name of Third Party Inspecting agency</b>	Certifications Engineers International Ltd., Navi Mumbai.
13.	<b>Name of Proof Consultant</b>	Sardar Vallabhbhai National Institute of Technology, Surat.