

Construction of " Shri Mangal Pandey "R.O.B. at Railway Culvert No. 440-A @ Anjana, Surat (UNDER SJMMSVY)



1.	Location	Construction of ROB at Railway culvert no 440-A,near Sewage Treatment Plant- Ajnana, Surat.	
2.	River/ Nala / Railway	Railway over Bridge	
3.	Lane	Three Lane Up & Three Lane Down	
4.	Year of construction	August-2013	
5.	Project cost	Rs. 61,07,10,662=93	
6.	Details of Bridge		
7.	(i) Length Bridge (Between ends of Decking)	In SMC area 1. Limbayat to Kamela - 800.40 mt. 2. Kamela to Limbayat - 798.50 mt. In Rly area - 71.00 mt. for both Up & Down Bridge Total - 1. Limbayat to Kamela - 1005.40 mt. 2. Kamela to Limbayat - 1021.50 mt.	
	(ii) Number of Spans	64 for Up & Down	
	(iii) Span Length	Limbayat to Kamela - 25.00 X 24=600 mt. 23.00 X 2 = 46.00 mt. 20.00 X 2 =40.00 mt. 30.00 X 3 =90.00 mt. 24.40 X 1 =24.40 mt.	Kamela to Limbayat 25.00 X 26=650 mt. 23.00 X 2 = 46.00 mt. 20.00 X 1 =20.00 mt. 30.00 X 2 =60.00 mt. 22.50 X 1 =22.50 mt.
	(iv) Width of Bridge	In SMC area - 11.40 mt. In Rly. area - 12.00 mt.	
	(v) Length of RCC Approaches & returns	Dumbhal Side 1. Mumbai Side - 115.00 mt. 2. Ahmedabad Side - 105.00 mt. Bhathena side 1. Mumbai Side - 90.00 mt. 2. Ahmedabad Side - 118.00 mt	
	(V) Total Area of bridge	24188.70 Sq.Mt.	
8.	(i) Design Discharge	-----	
	(ii) Design H.F.L.	-----	
	(iii) Type of Bridge	Rly Over Bridge	
	(iv) Finished Road Top Level	22.06 mt.	
9.	Structural Details		
	(i) Foundation	Pile Foundation	
	(ii) Substructure	R.C.C. Pier & Pier Cap	
	(iii) Superstructure	PSC ' I ' Girder with deck slab & wearing coat In Rly Portion - M.S. Steel I - Girder	
	(iv) General Items	(1) Strip seal Expansion joint	
		(2) Elastomeric Bearing	
		(3) POT PTFE Bearing	
10.	Name of Contractor	Ranjit Buildcon Ltd,Ahmedabad	
11.	Name of Design Consultant	Casad Consultant, Ahmedabad (Own Design)	
12.	Name of Project Management Consultant	Multi Media Consultant Pvt. Ltd., Ahmedabad	
13.	Name of Proof Check Consultant	Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat.	