

## Construction of Bridge on River Tapi joining Ved –Variav area in Surat on E.P.C. Basis.



1.	<b>Location</b>	Ved-Variav
2.	<b>River/Nala/Creek</b>	Tapi River
3.	<b>Lane</b>	Four Lane
4.	<b>Bridge open for traffic</b>	Completed (Dt. 18/05/2023)
5.	<b>Details of Bridge</b>	
	<b>(i)Length of Bridge between end of decking</b>	1495.95mt.
	<b>(ii)WidthofBridge</b>	15.00 mt.
	<b>(iii)Numberof span</b>	34 Nos.
	<b>(iv)SpanLength</b>	(22 x 42.40 m + 3 x 33. 302 m + 2 x 32.2 m + 5 x 28.90 m + 2 x 27.00 m)
	<b>(v) Carriage Way</b>	2 x 7.50 = 15.00 mt.
	<b>(vi)Lengthof Returns</b>	Ved side - 114.6 Mtr variav side - 85.750 Mtr
6.	<b>(i)DesignDischarge</b>	36500.00Cumecs
	<b>(ii)DesignH.F.L.</b>	+14.550mtr
	<b>(iii)Typeofbridge</b>	River Bridge
	<b>(iv)F.R.L.</b>	19.240 mtr.
7.	<b>Structural Details</b>	
	<b>(i)Foundation</b>	Pile foundation
	<b>(ii)Substructure</b>	RCC Solid Pier, Pier Cap, Retaining Wall
	<b>(iii)Superstructure</b>	PSC I-Girder, Voided Slab & R.C.C. Deck Slab, Minimum 75mm Bituminous Wearing Coat with 50mm thick DBM + 25 mm thick BC and additional 6 to 8mm thick Micro seal Surfacing, Elastomeric Bearing, Strip Seal & Modular Type expansion joint.
	<b>(iv)GeneralItems</b>	RCC kerb 200 mm, Crash Barriers 450 mm, Median Crash barrier 600 mm, Footpath 1500 (Both sides), Sevice line lane 2000 mm(Both sides).
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1.	<b>NameofContractor</b>	Vijay M. Mistry construction Pvt. Limited.,Ahmedabad
2.	<b>Name of PMC</b>	Geo designs & Research Pvt. Ltd, Baroda
3.	<b>Name of Design Consultant</b>	CASAD Consultants, Ahmedabad

4.	<b>Proof Check consultant</b>	R & B Design Circle, Gandhinagar
5.	<b>Cost</b>	Rs.118,42,48,770.60
6.	<b>Sanction Authority</b>	Standing Committee Re.No.305/2019, dtd.28/02/2019
7.	<b>Time limit</b>	24 Months (Excluding Monsoon)