

**Construction of Bridge across river Tapi joining Umra SVNIT junction –
Umra & Pal village at Surat on EPC Basis (Design, Engineering, Procurement
and Construction) (Under SJMMSVY)**



1	Name of Work	:	Construction of Bridge across river Tapi joining Umra SVNIT junction – Umra & Pal village at Surat on EPC Basis (Design, Engineering, Procurement and Construction)
2	Location	:	Pal gam junction to Umra gam junction
3	River/Nala/Creek	:	Tapi River
4	Lane	:	Four Lane
5	Year of Inauguration	:	11/07/2021
6	Tender Cost	:	Rs. 89.99 cr.
	Amount of Work Done	:	Rs. 91.77 cr.
7	Details of Bridge		
	(i) Length of Bridge	:	904.302 m
	(ii) Number of span	:	30 spans
	(iii) Span Length	:	(24 span X 30 m) +(6 span X 9.4166 m)
	(iv) Width of Bridge	:	2 x 12.40 m (2 x 7.5 m Carriage way + 2 x 1.5 m footpath on both side + 2 x 2.5 m for Utility line + 1.2 m center verge)+2.0 x 0.30 m railing (Crash Barrier)
	(v) Length of Returns	:	124.0 m (Umra side)
8	(i) Design Discharge	:	36176.368 cumec
	(ii) Design H.F.L.	:	R.L. 9.2 mt.
	(iii) Type of bridge	:	River Bridge
	(iv) F.R.L.	:	12.775 mt.
9	Structural Details		
	(i) Foundation	:	Cast in situ pile foundation dia. 900mm,1000mm,1500mm & pile cap M35
	(ii) Substructure	:	RCC pedastal M45,RCC pier & pier cap M35
	(iii) Superstructure	:	PSC I girder M45,PSC superstructure M45,RCC super structure M30
	(iv) General Items	:	Wearing coat-50mm dbm,25mm BC, 6mm micro surfacing, elastomeric/ POT-PTFE bearing
10	Name of Contractor	:	Vijay M. Mistry Construction Pvt. Ltd., Ahmedabad
11	Name of Design Consultant	:	Shah Associates, Ahmedabad
12	Name of Project Management Consultant	:	Pankaj M. Patel Consultants Pvt. Ltd., Ahmedabad
13	Name Proof Check Consultant	:	R & B Designs Circle, Gandhinagar