

Construction Of Up And Down Ramp With Existing Sarthana Simada (3 X 2) Fly Over Bridge On Surat Kamrej Main Road At Sarthana Surat On E.P.C Basis (Design, Engineering, Procurement & Construction) (Work No.04) (1st Attempt)



01	Location	: Up And Down Ramp With Existing Sarthana Simada FOB On Surat Kamrej Main Road At Sarthana
02	River/ Nala/ Creek	: Fly Over Bridge
03	Lane	: 1.5(Up Ramp) X 1.5 Lane(Down Ramp)
04	Year of Construction	: Started Feb-2026
05	Cost	: Rs. 18,73,99,569=56
06	Details of Bridge	:
	(i) Length of Bridge	1.) Towards Kamrej Road Side (Down Ramp) : 12 nos. x 20 mt c/c spans 6 nos. x 13.333 mt c/c spans Total Length (1) = (12 x 20.00) + (6 x 13.333) = 320.0 mt. 2.) Towards Railway Station Side (Up Ramp) : 12 nos. x 20 mt c/c spans 6 nos. x 13.333 mt c/c spans Total Length (1) = (12 x 20.00) + (6 x 13.333) = 320.0 mt. Total length=(1)+(2) =320.00+320.00=640.00 mt.
	(ii) Width of Bridge	: Clear carriage way width = 11.0 mt. (5.50 mt. up & Down Side) Over all width = 2 x 5.50 + 4 x 0.50 C.B = 13.00 mt.
	(iii) Number of Span	: 18 *2 = 36 Nos.
	(iv) Span Length	: (12 x 20) + (6.00 x13.333) + (12 x 20) + (6.00 x13.333)
	(v) Carriage Way	: 11.0 mt (5.50 mt Both Side)
07	(i) Type of Bridge	: Fly Over Bridge
	(ii) Finished Road Top Level	: 24.879 mt.

08	Structural Details		
	(i) Foundation	:	RCC bored cast in situ pile having 750 mm.Φ
	(ii) Substructure	:	RCC Pier & Pier cap, RCC Pedestals.
	(iii) Superstructure	:	PSC I Girder with Deck slab, RCC Solid Slab.
	(iv) General Items	:	(1) Single Strip seal Type Expansion joint. (2) Elastomeric Bearings.
09	Area of Bridge	:	Total Area = 640.00 x 6.50= 4160.00 sq. mt.
10	Name of Contractor	:	Rachana Construction Company, Ankleshwar
11	Name of Design Consultant	:	Shah Associates, Ahmedabad.
12	Proof Check Consultant	:	S.V.N.I.T. Surat.
13	Project Management Consultancy	:	CASAD Consultants Pvt Ltd., Ahmedabad.