

Construction of 4-lane Fly Over Bridge on 45.00 mt. Wide T.P. Road Crossing Nilgiri Circle & Sanjay Nagar Circle in South - East (Limbayat) Zone, Surat On E.P.C Basis (Design, Engineering, Procurement & Construction). (2nd Attempt)



01	Location	: Near Nilgiri Circle & Sanjay Nagar Circle
02	River/ Nala/ Creek	: Fly Over Bridge
03	Lane	: 2 X 2 Lane
04	Year of Construction	: Started January-2026
05	Cost	: Rs. 66,38,11,358=30
06	Details of Bridge	:
	(i) Length of Bridge	: 1.) Towards Sai Baba Mandir Side : 4 nos. x 25 mt c/c spans (P4 to P8) 4 nos. x 15 mt c/c spans (A1 to P4) Total Length (1) = (4 x 25.00) + (4 x 15.00) = 160.0 mt. 2.) Viaduct Side : 15 nos. x 25 mt c/c spans (P11 to P26) 1 nos. x 22.44 mt c/c spans (P10 to P11) Total Length (1) = (15 x 25.00) + (1 x 22.44) = 397.44 mt. 3.) Towards Niyol Gam Road Side : 7 nos. x 25.00 mt c/c spans (P29 to P36) 2 nos. x 15.00 mt c/c spans (P36 to P38) 5 nos. x 12.00 mt c/c spans (P38 to A2) Total Length (2) = (7 x 25.00) + (2 x 15.00) + (5 x 12.00) = 265.00 mt. 4.) Junction Span : 2 nos. x 31.28 mt c/c spans (P8 to P10) – Steel Superstructure 3 nos. x 25.00 mt c/c spans (P26 to P29) – PSC Girder Total Length (3) = (2 x 31.28) + (3 x 25.00) = 137.56 m Total length=(1)+(2)+(3)+(4) =160.00+397.44+265.00+137.56=960.00 mt.
	(ii) Width of Bridge	: Clear carriage way width = 15.0 mt (7.50 mt Both Side) Over all width = 2 x 7.50 + 2 x 0.50 C.B + 1*0.60 Central Verge = 16.60 mt.
	(iii) Number of Span	: 43 Nos.

	(iv) Span Length	:	(31.28 x 2) + (25.00 x29) + (22.44 x 1) + (15.00 x 6) + (12.00 x 5)
	(v) Carriage Way	:	15.0 mt (7.50 mt Both Side)
07	(i) Type of Bridge	:	Fly Over Bridge
	(ii) Finished Road Top Level	:	26.630 mt.
08	Structural Details		
	(i) Foundation	:	RCC bored cast in situ pile having 1200 mm.Φ / 1000 mm.Φ
	(ii) Substructure	:	RCC Pedestals, RCC Pier & Pier cap.
	(iii) Superstructure	:	PSC Girder with Deck slab, Steel Composite Girder, RCC Solid Slab.
	(iv) General Items	:	(1) Single Strip seal Type Expansion joint. (2) Elastomeric Bearings.
09	Area of Bridge	:	Total Area = 960.00 x 16.60= 15,936.00 sq. mt.
10	Name of Contractor	:	Rachana Construction Company, Bharuch
11	Name of Design Consultant	:	Shah Associates, Ahmedabad.
12	Proof Check Consultant	:	(1) Design Circle, R & B , Gandhinagar. (2) SVNIT, SURAT
13	Project Management Consultancy	:	Multi Media consultants Pvt. Ltd., Ahmedabad.