

Construction of 4-lane fly over bridges on either side of BRTS lane crossing Ratnamala junction, and Gajera junction on surat-amroli road at Surat on EPC basis (Design, Engineering, Procurement and Construction).



01	Location	: Ratnamala junction, and Gajera junction on surat-amroli road at Surat.
02	River/ Nala/ Creek	: Fly Over Bridge
03	Lane	: 4 Lane
04	Year of Construction	: Started August-2022
05	Cost	: Rs. 62,84,10, 000=00
06	Details of Bridge	:
	(i) Length of Bridge	<p>(1) Gajera circle side (LHS & RHS): 12 Nos x 25mt c/c spans(PG1 TO PG7), 30 Nos x 10mt c/c spans(PG7 TO A/G) Total length (1)=(6x25)+(15x10) =300.00mt</p> <p>(2) Amroli bridge side (LHS & RHS): 12 Nos x 25mt c/c spans (JN4 TO PA6), 14 Nos x 10mt c/c spans (PA6 TO A/A) Total length(2)= (6x25)+ (7x10) = 220.00mt</p> <p>(3) Gajera to Ratnamala circle (LHS & RHS): 32 Nos x 25mt c/c spans(PM2 TO JN3) 02 Nos x 30mt c/c spans(JN3 TO JN4) 8 Nos x 20mt c/c spans (JN1 TO PG1) Total length(2)= (16x25)+ (1x30)+(4x20) =510.00mt</p> <p>Total length=(1)+(2)+(3) =1030.00mt</p>
	(ii) Width of Bridge	<p>Clear carriage way width = 7.50mt (Either side)</p> <p>Over all width = 7.50+(0.45x2C/B) = 8.4mt (Either side)</p>
	(iii) Number of Span	: 55 Nos.(Either Side)
	(iv) Span Length	: (25.00 x28) + (20.00 x 4) + (30.00 x1) + (10.00 x 22) on either side.
	(v) Carriage Way	<p>Gajera circle side (LHS & RHS): = 7.50 mt.</p> <p>Amroli bridge side (LHS & RHS): = 7.50 mt.</p> <p>Gajera to Ratnamala circle (LHS & RHS): = 7.50 mt.</p>
07	Finished Road Top Level	: Varies
08	Structural Details	
	(i) Foundation	: RCC bored cast in situ pile having 1000mm.Φ / 750mm.Φ
	(ii) Substructure	: RCC Pedestals, RCC Pier & Pier cap.
	(iii) Superstructure	: PSC Girder with Deck slab, RCC Solid Slab.
	(iv) General Items	<p>(1) Single Strip seal Type Expansion joint.</p> <p>(2) Elastomeric Bearings.</p>
09	Area of Bridge	<p>Main bridge = 8652.00 sq. mt.</p> <p>Total Area = 8652.00 x 2= 17304.00 sq. mt.</p>
10	Name of Contractor	: Rachana Construction Company, Ankleshwar.
11	Name of Design Consultant	: Shah Associate, Ahmedabad
12	Proof Check Consultant	: SVNIT, Surat
13	Project Management Consultancy	: Casad Consultants Pvt. Ltd., Ahmedabad.