

Construction of “ Shri Chandra Sekhar Azad” bridge across River Tapi joining Rander area (Nr. Jilani complex) & Katargam area (Nr. Palia Kotar No.7) in Surat City



01	Location	: Across River Tapi joining Rander area (Jilani complex) & Katargam area (Nr. Palia Kotar No.7)
02	River/ Nala/ Creek	: River Bridge cum Fly Over
03	Lane	: Four Lane (Two up + Two down)
04	Year of Construction	: Completed September - 2017 (21/09/2017)
05	Tender Cost	: Rs. 22735.84 Lacs
06	Details of Bridge	:
	(i) Length of Bridge (Between ends of Decking)	: 3012.778 mt.
	(ii) Width of Bridge	: River portion 19.50 mt. : Adajan Patia Side 12.00 mt. : causeway side 8.50 mt. + 8.50 mt.
	(iii) Number of Span	: 77 Nos.
	(iv) Span Length	: Max.- 50 mt, Min.- 25 mt.
	(v) Carriage Way	: (i) 7.50 mt. (Up) + 7.50mt. (Down) in River portion & Katargam Side. : (ii) 7.50 mt. Up & 7.50 mt. Down separate Towards cause way : (iii) 11 mt.(3 lan Un divided) Towards Adajan circle.
	(vi) Length of R.C.C. Approaches &Returns	: Rander side - Cause way - Up Side -127.98 mt., D/S Side -126.27 mt. : Adajan side - 92.65 mt. : Katargam Side - 132.440 mt.
	(vii) Total Length of bridge (Including Approaches)	: 3012.776 mt.
07	(i) Design Discharge	: 12 Lacs cusecs
	(ii) Design H.F.L.	: 15.56 mt.
	(iii) Type of Bridge	: High Level
	(iv) F.R.L.	: 20.260 mt. in River Portion
08	Structural Details	:
	(i) Foundation	: Pile Foundation with various dia piles.
	(ii) Substructure	: R.C.C. Wall Type Pier & Pier Cap in river portion & RCC circular piers in balance portion Cast in Situ.
	(iii) Superstructure	: PSC - I Girder, with cast in situ deck slab, slab in river portion & Katargam side. : PSC voided Slab on Jilani side outside bund.
	(iv) General Items	: RCC wearing coat , RCC Retaining wall and RCC Box, Return on pile foundation
09	Name of Contractor	: Ranjit Buildcon Ltd., Ahmedabad
10	Name of Design Consultant	: 1. Technogem Consultants Pvt. Ltd, Thane. : 2. Shah Associates, Ahmedabad.
11	Name of Proof Checking	: (I) IIT. Mumbai. Powai & Design (R & B) Circle. Gandhinagar

	Consultant		(II) R & B Design Circle, Gandhinagar
12	PMC	:	CASAD Consultants, Ahmedabad.