

Construction of " Pandit Dindayal Upadhyay" Cable Stay Bridge across river Tapi joining Athwa & Adajan



1)	Location	: Athwa side: (Near Panch pandav bungalow, Agri university on Surat - Dumas Road) Adajan side: (Near Dr.V.S.Marg on Surat-Hajira road)
	Year of Construction	: 2018
2)	Details of Cable Stayed portion	
	a. Length	: 300 mt.
	b. Width (Avg.)	: 23.50 mt.
	c. Area	: 7050 Sq. Mt.(avg.)
	d. Pylon	: Two nos. each 35 mt. height
3)	Details of RCC portion	
	a. Length	: 411.63 mt.
	b. Width (Avg.)	: 15.30 mt. to 29.00 mt.
4)	Details of Approach	
	a. Length	
	Athwa Side	: 122.25 mt.
	Adajan Side	: 84.33 mt.
	b. Width	
	Athwa Side	: 15.30 mt.
	Adajan Side	: 21 mt. (Varing)
5)	Total Length of bridge	: 918.21 mt.
6)	Total Bridge Area	: 20430.50 Sq. mt.
7)	Nos of span	: 15 Nos
8)	Span Length	$12.788+12.643+16.506+50 \times 3+42.5+50+75+150+75+50+27.60+22.40+27.60 = 712.037$ mt
9)	Carriage Way	: 7.50 mt. + 7.50 mt. (Two Lane up & Two Lane Down)
10)	Footpath	: 2 mt. (both side)
11)	Type of Foundation	: Pile Foundation

12)	Other details	
	(i) Design Discharge	: --
	(ii) Design H.F.L.	: 9.2 mt
	(iii) Type of Bridge	: High level cable stayed river bridge
	(iv) Finished Road Top Level	: 15.5 mt
13)	Sub Structure	: R.C.C. Pier
14)	Super Structure	: Segmental Multi cell Box Girder/ PSC Box Girder / Solid Slab type
15)	Bearing	: POT / PTFE type
16)	Expansion Joint	: STRIP SEAL / MODULAR Type
17)	Approach	: Reinforced Earth Wall Type & RC Wall
18)	Tender Cost Balance Work	: 63.80 Crore
19)	Name of Contractor	: Unique Construction, Surat
20)	Design Consultant	: L & T Infra Engineering
21)	Proof Check Consultant	: Design (R &B) Circle, Gandhinagar
22)	Project Management Consultancy	: Spectrum Techno Consultants Pvt Ltd., Navi Mumbai
Bridge was inaugurated by Hon'ble Chief Minister shri Vijaybhai Rupani on Dt.02.10.2018		