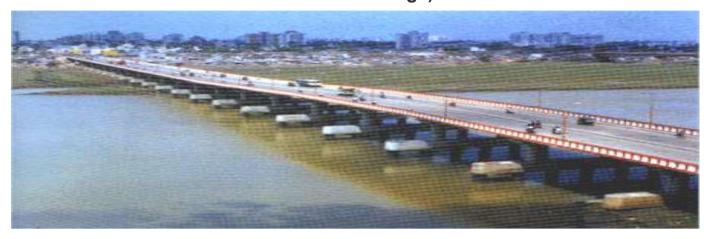
## Low Level Submersible bridge across river Tapti near Makaipool ( Swami Vivekanand Bridge)



## **Project Technical Details**

Project Technical Details		
1.	Location	Road from Makai pool on left bank to Adajan on right bank.
2.	River/Nala/Creek	Tapi River
3.	Lane	Four
4.	Year of construction	1996
5.	Cost	Rs.1551.28 Lacs
6.	Details of Bridge	
	(i) Length of Bridge between ends of decking	625.00 mtr.
	(ii) Width of Bridge	19.520 mtr.
	(iii) Number of span	25 Nos.
	(iv) Span Length	25 mtr.
	(v) Carriage Way	2x7.5 mtr. + 1.5 mtr. Wide footpath on both side.
	(vi) Length of Returns	Left side -
		Right side - 34.40 mtr.
7.	(i)Design Discharge	34000 Cumecs
	(ii) Design H.F.L.	R.L. 13.90 mtr.
	(iii) Type of bridge	Submersible bridge
	(iv) F.R.L.	R.L. (+) 10.80 mtr.
8.	Structural Details	
	(i) Foundation	R.C.C.bored cast in situ pile foundation 1.5 mtr. Dia. Under piers and abutments in M30 concrete.
	(ii) Substructure	R.C.C.single circular column in M25 concrete.
	(iii) Superstructure	Pre-stressed M-40 solid slab, simply supported on elastomeric bearings and anchored in pier cap.
	(iv) General Items	R.C.C. type railings.
9.	Name of Contractor	Vijay M. Mistry Construction Pvt.L:td., Ahmedabad.
10.	Name of Consultant	Multi Media Consulting Engineers, Ahmedabad.