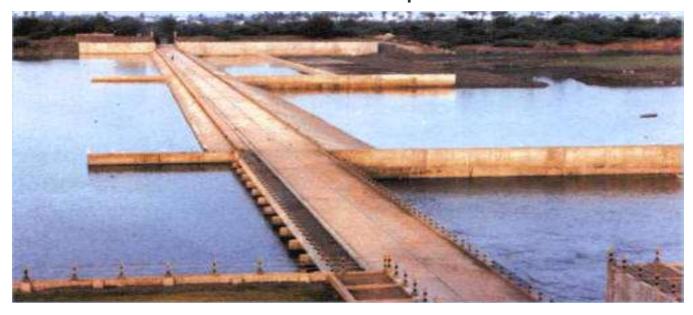
## Weir-cum-Causeway "Morarji Desai Setu " near Singanpore village across river Tapti



	16	
1.	Location	On Road from Singanpore to Rander-Borwada
2.	River/Nala/Creek	Tapi River
3.	Lane	Two lane
4.	Year of construction	1995
5.	Cost	Rs.3100.00 Lacs
6.	Details of Weir cum Causeway	
	(i) Length of Causeway	580 mt. / weir-Gated portion 98.00 mt., ungated portion 482.00 mt.
	(ii) Width of Causeway	10.00 mt.
	(iii) Number of span	16 Nos Gated Portion
	(iv) Span Length	6.20 mt.
	(v) Carriage Way	7.5 mt. With 1.80 mt. wide footpath on U/s side.
	(vi) Length of Returns	Left side - 80.00 mt. Right side - 100 mt.
7.	(i)Design Discharge	24000 Cumecs
	(ii) Design H.F.L.	U/s +16.00 mt. & D/s +14.90 mt.
	(iii) Type of bridge	Causeway cum Weir
	(iv) Full reservoir level	+5.00 mt. (Top of crest +6.00 mt.)
8.	Structural Details :	
	(i) Foundation.	Open foundation integrated with weir profiles.
	(ii) Substructure	Mass concrete abutments R.C.C. Piers.
	(iii) Superstructure	R.C.C. solid slab 650 mm thick in gated portion and 1000 mm in nongated length of weir

		Post and pipe railing. In gated portion, 16 nos. Automatic falling gates of 5 X 3.5 mt. size on right bank side end.
9.	Name of Contractor	Larson & Toubro Ltd., E.C.C. Construction Group.
10.		Multi Media Consulting Engineers, Ahmedabad in association with Dr. C.R. Shah, Consulting Engineer, Vadodara.