

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



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

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