

# Hope Bridge across river Tapti adjoining the Nehru Bridge



**Note :-** This bridge is dismantled

## Project Technical Details

1.	Location	Road from Surat to Rander
2.	River/Nala/Creek	Tapi River
3.	Lane	Two
4.	Year of construction	1877
5.	Cost	Rs.8.13 Lacs
6.	<b>Details of Bridge</b>	
	(i) Length of Bridge between ends of decking	551,14 mtr.
	(ii) Widht of Bridge	10.12 mtr.
	(iii) Number of span	17 Nos.
	(iv) Span Length	32,42 mtr.
	(v) Carriage Way	6 mtr.+1.5 mtr. Wide footpath on both sides
	(vi) Length of Returns	Left side - Not available
		Right side - Not available
7.	(i)Design Discharge	Floor of 16 lakh causecs has passed through the bridge in year 1956.
	(ii) Design H.F.L.	11.0 mt.
	(iii) Type of bridge	High level
	(iv) F.R.L.	N.A.
8.	<b>Structural Details</b>	
	(i) Foundation	Cast Iron cylindrical piles (2 Nos.)having 1.52 mt. steel internal dia and 1" thickness of shell with embedment of 7.67 mt. to 18.90 mt. in hard clay strata.
	(ii) Substructure	C.I.Piers braced by structural steel members. The superstructure is directly resting on piles.
	(iii) Superstructure	Steel trusses 2 Nos. with concrete decking.
	(iv) General Items	Steel Hand Rails. The bridge is not being used for vehicular traffic.
9.	Name of Contractor	N.A.
10.	Name of Consultant	N.A.