

## Railway bridge no.452 across river Tapti near Utran



### Project Technical Details

|     |   |   |
|-----|---|---|
| 1.  | Location                                    | Railway line from Surat to Utran.                                   |
| 2.  | River/Nala/Creek                            | Tapi river  |
| 3.  | Lane  | Double Track  |
| 4.  | Year of construction                        | 1915  |
| 5.  | Cost  | ----  |
| 6.  | Details of Bridge                           |   |
|     | (i)Length of Bridge between ends of decking | 572.30 Mt.  |
|     | (ii)Width of Bridge                         | 12.23 Mt.   |
|     | (iii) Number of span                        | 10 Nos.   |
|     | (iv) Span Length                            | 57.0 mtr.   |
|     | (v) Carriage Way                            | 11.23 mtr. + 1.0 mtr. Footpath on upstream side                     |
|     | (vi) Length of RCC Returns                  | Left side - 13.10 mtr. Right side - 4.25 mtr.                       |
| 7.  | (i)Design Discharge                         | Flood of 16 lakh cusecs has passed through the bridge in year 1956. |
|     | (ii) Design H.F.L.                          | N.A.  |
|     | (iii) Type of bridge                        | High level  |
|     | (iv) F.R.L.                                 | N.A.  |
| 8.  | Structural Details :                        |   |
|     | (i) Foundation.                             | Double well cement concrete   |
|     | (ii) Substructure                           | Stone Masonary Piers  |
|     | (iii) Superstructure                        | Structural steel open web girder super structure.                   |
|     | (iv) General Items                          | Post and Pipe Railing.  |
| 9.  | Name of Contractor                          | N.A.  |
| 10. | Name of Consultant                          | N.A.  |