

Construction of Fly Over Bridge at T. P No. 61(Parvat - Godadra) on 45.0m Wide Middle Ring Road at Maharana Pratap Junction in South East (Limbayat) Zone in Surat on E.P.C Basis (Design, Engineering, Procurement & Construction).



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| 01 | Location             | : Maharana Pratap Junction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 02 | River/ Nala/ Creek   | : Fly Over Bridge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 03 | Lane                 | : 2 X 2 Lane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 04 | Year of Construction | : Started November-2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 05 | Cost                 | : Rs. 34,91,67,917=74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 06 | Details of Bridge    | :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|    | (i) Length of Bridge | <div>1.) Towards Puna Gam: (AS PER TENDER)<br/>10.00 mt. c/c X 11nos<br/>25.00 mt. c/c X 06nos<br/>37.20 mt. c/c X 01nos (Composite Steel Girder)<br/>20.00 mt. c/c X 02nos<br/>Retaining wall = 65.0 mt.<br/>Total Length (1) = (11 x 10.00) + (6 x 25.00)+ (01 x 37.20) + (2 x 20.00)+ 65.00= 402.20 mt</div> <div>2.) Towards Godadara- Dindoli Road:<br/>10.00 mt. c/c X 09nos<br/>25.00 mt. c/c X 04nos<br/>Retaining wall = 55.0 mt<br/>Total Length (2) = (9 x 10.00) + (4 x 25.00) + 55.00= 245.0 mt</div> <div>3.) Junction Span :<br/>25.00 mt c/c x 02nos<br/>Total Length (3) = (2 x 25.00) = 50.00 m<br/>Total length=(1)+(2)+(3) = 402.20+245.00+50.00=697.20 mt.</div> |
|    | (ii) Width of Bridge | : Clear carriage way width = 15.0 mt (7.50 mt Both Side)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|----|--------------------------------|-----------------------------------------------------------------------------|
|    |                                | Over all width = 2 x 7.50 + 2 x 0.50 C.B + 1*0.60 Central Verge = 16.60 mt. |
|    | (iii) Number of Span           | : 34Nos.                                                                    |
|    | (iv) Span Length               | : (10.00x 20 ) + (20.00 x02) + (25.00x 12) + (37.20 x 1)                    |
|    | (v) Carriage Way               | : 15.0 mt (7.50 mt Both Side)                                               |
| 07 | (i) Type of Bridge             | : Fly Over Bridge                                                           |
|    | (ii) Finished Road Top Level   | : 22.480 mt.                                                                |
| 08 | Structural Details             |                                                                             |
|    | (i) Foundation                 | : RCC bored cast in situ pile having 1200 mm.Φ / 1000 mm.Φ                  |
|    | (ii) Substructure              | : RCC Pedestals, RCC Pier & Pier cap.                                       |
|    | (iii) Superstructure           | : PSC Girder with Deck slab, Steel Composite Girder, RCC Solid Slab.        |
|    | (iv) General Items             | : (1) Single Strip seal Type Expansion joint.<br>(2) Elastomeric Bearings.  |
| 09 | Area of Bridge                 | : Total Area = 697.20 x 16.60= 11,573.52 sq. mt.                            |
| 10 | Name of Contractor             | : Royal Infra Engineering Pvt. Ltd., Surat                                  |
| 11 | Name of Design Consultant      | : DELF Consulting Engineers (INDIA) Pvt. Ltd., Ahmedabad                    |
| 12 | Proof Check Consultant         | : (1) R & B Design Circle, Gandhinagar<br>(2) SVNIT, Surat                  |
| 13 | Project Management Consultancy | : Multi Media consultants Pvt. Ltd., Ahmedabad.                             |