
DESIGN CONSULTANCY SERVICES FOR APPROACH ROAD USING GABION WALL, VBSL PROJECT

RELIANCE - ASTALDI JV



CASE REFERENCE: 454/CS/2020-2021/Reliance-Astaldi

BRIEF:

To facilitate the construction of Main bridge, Temporary Bridge and Approach Road using Gabion walls are been proposed for movement of plant, machinery and materials. The Height of the gabion wall ranges from 2m and is limited to 6m and above the mentioned height of Temporary Bridge has been proposed for the same purpose. RELIANCE - ASTALDI JV intends to award design consultancy works for Approach Road using gabion wall including Deck slab and solution in total for construction of access road at Bandra Otters club and Juhu connector to avail moving facility of hydraulic piling rig and all construction activities from a reputed agency having similar experience. It is estimated that 4.7% of the total project length is the scope of the Approach Road using gabion wall as mentioned below;

- i) Otter's Connector - Ch. 0+000 to Ch. 0+430
- ii) Juhu Koliwada Connector - Ch. 0+825 to Ch. 1+130

Duration: July, 2020 – September, 2020

Owner: Maharashtra State Road Development Corporation (MSRDC)

Contractor: Reliance - Astaldi (JV)

Location: Mumbai, India.

Role of Genstru: Design Consultant to Reliance—Astaldi.

MAIN DELIVERABLES:**BASIC ENGINEERING**

- a) Preparation of Approach Bridge Gabion Wall layout and GAD drawings.
- b) Preparation of preliminary design basis report (DBR).
- c) Preparation of Approach Road Gabion Wall preliminary designs of all sections.
- d) Preparation of technical specifications, BOQ and tender drawings etc for awarding the job to contactors.

DETAILED ENGINEERING

- a) Preparation of detailed design calculations for various Approach Road using Gabion Wall.
- b) Preparation of detailed design basis report (DBR) of Approach Road using Gabion Wall structures.
- c) Preparation of good for construction (GFC) drawings of Approach Road using Gabion Wall structures.
- d) Review and approval of Approach Road drawings including gabion walls & deck slab.
- e) Attend all project management and coordination meetings as and when required and/or requested. Record meeting notes, decisions and directions generated during such meetings and circulate to the concerned team members and ensure that appropriate action is taken.
- f) Preparation of any revised design, drawing for any changes required during construction stage as per site conditions.

Some Project Photographs during Execution

