

CASE HISTORY

Ref. No.: CH/19/V-04-19-017	Year: 2019
Name of the Work: Construction of RE Wall, Gabion facia with integrated tail and Paralink as reinforcement at KSH Infra Pvt. Ltd. Bhamboli, Chakan, Pune.	
Client: KSH Infra Pvt Ltd	
Proof Consultant: AEC Consultants Pune	
Site Address: KSH Infra Pvt. Ltd. Bhamboli, Pune	
Type of Work: Design, Supply and Construction of RE wall, Gabion Facia with integrated tail and Paralink as reinforcement at KSH Infra Pvt. Ltd. Bhamboli Pune.	
Start Date: 18 th Aug 2019.	Completion Date: 21 st Oct 2019.
Value of Work: 64.33 lacs.	
Nature of work: Reinforced soil wall	<p>The proposed work was to be carried out for KSH infra Project. the ground conditions were not suitable for rigid retaining wall structure, as settlements were of major concern and being a water front structure it was quite evident that a flexible structure. Viraj Engineers proposed Reinforced Soil Wall, Gabion facia with integrated tail and Paralink as reinforcement It's a flexible structure.</p> <p>Viraj Engineers carried out the Design and analysis, Supply of materials required and construction of Reinforced Soil Wall, Gabion facia with integrated tail and Paralink as reinforcement.</p> <p>The details of the project are as under, Maximum Height of the retaining structure – 4m Minimum Height of the retaining structure – 4m Stretch length – 150m Quantity of work done – 600 cum</p> <p>Challenging situations occurred during the excavation as hard rock was found, this created delays in excavation which had the potential to impact the overall project.</p> <p>Average stone filling was 30 sqm/day.</p> <p>Specialty of the project was that the ground conditions were not suitable for rigid retaining wall structure, as settlements</p>

were of major concern and being a water front structure. The most feasible solution according to technical and construction wise would be Construction of Reinforced Soil Wall, Gabion facia with integrated tail and Paralink as reinforcement.

Time required for the completion of the project was just 60 days.



Paralink (100 Grade) Laying



4mX2mX1m Terramesh Unit Installation



COMPACTION



LAYING OF SWD PIPE 1200MM DIA



12 m. Height RE wall With Gabion facia.



SWD Pipe 1200mm Dia.