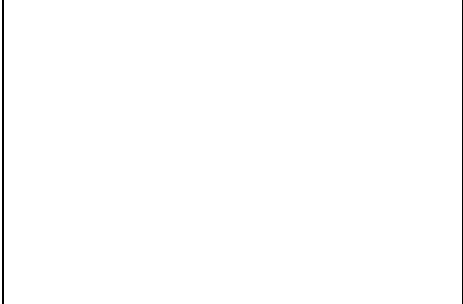
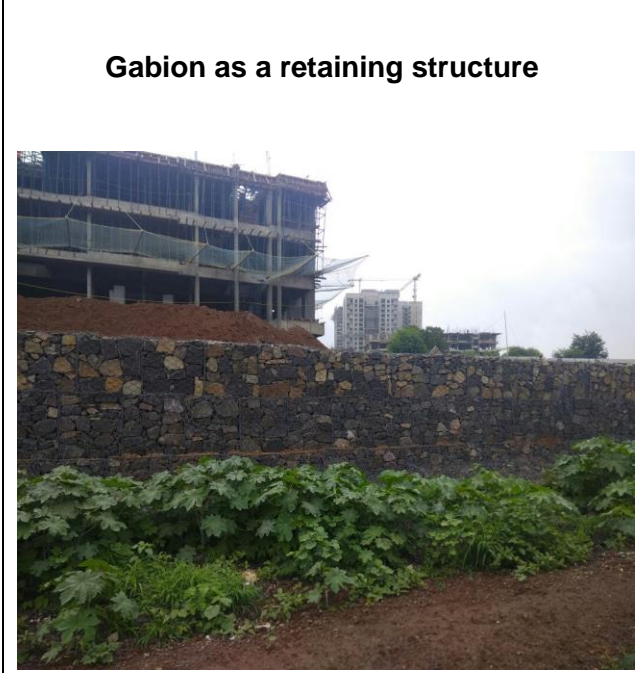


**CASE HISTORY**

<b>Ref. No.:</b> CH/16/02/V-10-16-35	<b>Year:</b> 2017
<b>Name of the Work:</b> Construction of Gabion Retaining Wall at Gera, Misty Water, Keshavnagar, Pune.	
<b>Client:</b> Gera Development Pvt Ltd	
<b>Proof Consultant:</b> Rajesh Mankani, Design Werkz Engineering Pvt Ltd	
<b>Site Address:</b> Gera's Misty Waters, Keshavnagar, Pune	
<b>Type of Work:</b> Design, Supply and Construction of Gabion earth retaining wall for River front structure at Misty Waters Keshavnagar Pune.	
<b>Start Date:</b> 25 <sup>th</sup> December 2016	<b>Completion Date:</b> 15 <sup>th</sup> February 2017
<b>Value of Work:</b> 41.01lacs	
<b>Nature of work:</b>	<p>The proposed work was to be carried out on river front for Gera's Misty River Development 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 Gabion Earth Retaining structure with scour apron to protect the structure from potential scouring from the water front available.</p> <p>Viraj Engineers carried out the Design and analysis, Supply of materials required and construction of Gabion retaining wall.</p> <p>The details of the project are as under,  Maximum Height of the retaining structure – 5.50m  Minimum Height of the retaining structure – 1m  Stretch length – 250m  Quantity of work done – 1960cum</p> <p>During the initial design and planning phase it was identified that there are lot of unused good quality stones that can be used post clearing of site. Challenging situation was to sort out the stones for Gabion filling and breaking it down to required sizes. 50% of stone required for filling of Gabions</p>



was used from the stones available at site.  
The mobilization of manpower and machinery was completed on 25<sup>th</sup> December 2016 and the entire works were completed by 12<sup>th</sup> February 2017.



**Gabion wall with pipe line**



**Top view of Gabion wall near water body**

