

THE CONSTRUCTION OF GABION WALL (RETAINING WALL) AND BACKFILLING AT,JEJURI,MAHARASTRA

ENVIRONMENTAL/ SLOPE PROTECTION/EARTH RETAINING

Product: Gabion

Problem: The Difference between ground level and road level was of maximum 10meters, so there was need of placing a retaining wall which can retain the earth, hence matching the ground level with the road level. The movement of heavy vehicles was not feasible from the road level towards the company unit.

Solution: A series of self draining, flexible, eco friendly Gabion Walls have been provided in Jejuri, Maharashtra, for WMI KONECRANES INDIA LTD. Gabion with its high porosity of the order of 30-35% became the ideal solution. Due to the presence of black soil and considering its soil properties it was economical to construct gabion wall over the others in comparison.

Client Name:

WMI,Konecranes India LTD,Pune

Main Contractor Name:

Atharva Construction

Consultant:

Prashant Deshmukh & Associates,Pune

Product Used:

10362 CUM of Gabions.

Construction information:

Construction Date:	4-11-11
Completion Date	12-05-12



Fig:01
Before starting the work

Present Status of the Structure

Structure was completed in May 2012. The Walls were built with a very good speed. The Gabion walls has successfully withstood all adverse conditions . The client and the contractor found the cost –effectiveness of the system using Gabions and the easiness with which it can be constructed at any time of the season.



Fig:02 Excavation



Fig:03 Soil Replacement



Fig:04 Backfilling



Fig:05 Placing of empty gabion boxes



Fig:05 Wall Allignment



Fig:06 Completed Strcture



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