

MALPORA LANDSLIDE STABILIZATION

Malpora is located on Srinagar-Bandipora road near Ajas falling in micro watershed 0b1a in the district Bandipora. Initially a small drainage line that passed through this village over a period of years has developed into a deep ravine as a result of heavy soil erosion and sliding of slopes. It has threatened the life and property of the villagers and the surrounding area. The deposition of heavy load of silt and debris on the main road affects the connectivity also.



Gully formation before Treatment

The area was identified and taken up by the Department of Soil Conservation in the year 2006-07 for treatment. Initially the soil conservation measures taken included gully control through stone/earthen bag check dams and plantation in the upper areas. Due to disturbance of hill sides by earth cutting for road and shacking effect of blasting at quarry sites which flank the area, the treatment needed modifications . Due to the disturbances coupled with weak geological formation the area has developed deep fissures and the slopes are sinking.



Gully plugging by vegetative and non-vegetative measures

In view of these challenges, sites specific measures were undertaken which have shown encouraging results. The structures were placed both at the top and at the toe end of the gully. In the later case the stone, crate and earthen bag check dams helped in stabilizing the structures as well as side slopes of the gully. During the period of last three years an area of 55 hectares has been brought under treatment with 22528 plants and non-vegetative gully plugging of 782 cum. The program for the area shall be continued for stabilization and reclamation through Mawa plantation, brush wood check dams , live hedge, grass sowing and wattling etc. with the model having combination of activities most suitable to the area.