

# **HY-TEN WELDED MESH COMPANY**

## **Gabions shall comply with the following specifications**

### **MANUFACTURE**

Gabions shall be manufactured from a hard drawn steel wire formed into a bi-axial mesh grid by electrically welding the cross wires at every intersection.

Gabions:-to be factory assembled with stainless steel clips connecting side panels and diaphragms to the base panel.

### **MESH SIZE**

Mesh opening shall be square of nominal dimension of 76.2mm on the grid.

### **MESH WIRE**

Nominal wire diameter shall be 3.0mm to BS 1052.

### **CORROSION PROTECTION**

Wire shall be Triple life (95% Zinc 5% Aluminium)

### **JOINTING**

Gabions shall be provided with lacing wire for site assembly. Lacing shall be wire of nominal wire diameter 2.5mm (all in accordance with the corrosion specified) for final jointing.

### **ROCKFILL**

Gabion fill shall be a hard durable and non frost susceptible (rock or stone type) having a minimum dimension not less than the mesh opening and a maximum dimension of 200mm.

### **CONSTRUCTION**

All rockfill shall be packed tightly to minimize voids and the rockfill on the exposed face of the gabion is to be handpacked.

Internal windlass bracing ties 2, per 1sqm at 1/3rd points vertically and mid point horizontally on 1m deep units and at mid height at mid point horizontally on 0.5m deep units,

Adjacent units to be jointed by continuous lacing on vertical and to the horizontal joints at front and rear of coursing joints.

Units shall be filled such that the mesh lid bears onto the rock fill. The lid shall be wired down on all joints and across the diaphragms.