APPLICATION AREAS | MACCAFERRI

Engineering a better solution
Gravity Retaining Structures
Reinforced Soil Walls & Reinforced Soil Slopes
Using Gabion, Terramesh, Green Terramesh, ParaMesh, ParaWeb, ParaGrid.
Piled Embankment and Basal Reinforcement
Using ParaLink, Geotextile

Basal Reinforcement for Highway Embankment

Piled Embankment for Approach to Creek Bridge

Separation, Filtration and Drainage
Using Geotextile and Drainage Composite

Geotextile as a Separator for Subgrade Stabilization

Highway Edge Drains

Drainage Composite Behind Retaining Wall
Hydraulic Applications

River Training Works
Using Gabions and Reno mattress

Coastal & Bank Protection Works
Using MacTube, MacBag and Double Twist Wire Mesh Products

LONGITUDINAL STRUCTURES: BANK & BED LINING

SHORE PROTECTION WORKS WITH MACTUBE

TRANSVERSE STRUCTURES: WEIRS

BANK PROTECTION WORKS WITH MACBAGS

TRANSVERSE STRUCTURES: GROYNES

MARINAS
Rockfall Protection Works
Using Double Twist Mesh, Steel Grid
HEA Panel and Rockfall Barrier

Pavement and Track Bed Stabilization
Using Road Mesh, MacGrid AR,
MacGrid EG and Geotextiles

STEEL GRID

ROAD MESH FOR PAVING REINFORCEMENT

HEA PANEL & ROCKFALL BARRIER

MACGRID AR FOR PAVING REINFORCEMENT

ROCKFALL BARRIER

GEOTEXTILE FOR RAILWAY TRACK BED STABILIZATION
Lining Solutions for Landfills, Canals and Ponds
Using Geomembrane, Geosynthetic Clay Liner, Drainage Composite, and Geotextile

Steel Fibers Reinforced Concrete Applications
Using Wirand Steel Fibers

WATER CONTAINMENT & POND LINING

DOSE BOX FOR DOSING WIRAND IN CONCRETE

LANDFILL LINING WITH GEOMEMBRANE

INDUSTRIAL FLOORING WITH STEEL FIBERS

LINING WITH GEOSYNTHETIC CLAY LINER

TUNNEL LINING WITH STEEL FIBERS
Other Applications

ARTIFICIAL POND SIDE STABILIZATION WITH GABION RETAINING WALL

SLOPE PROTECTION WITH EROSION CONTROL BLANKET

SUB BASE REINFORCEMENT

RAILWAY BALLAST CONFINEMENT

SACK GABION

LANDSCAPING USING GABIONS
MACCAFERRI ENVIRONMENTAL SOLUTIONS PVT. LTD. (MESPL) is a 100% subsidiary of Officine Maccaferri (OM) Italy, who have emerged as leaders, over the last 130 years, in providing solutions using mechanically woven hexagonal shaped double twisted steel wire mesh products, geosynthetics & associated products, being used within the Civil & Environmental Engineering domains. It is a part of the Maccaferri Industrial Group, which has a presence in more than 100 countries.

Our Mission is to research, design and develop advanced solutions for solving problems related to Civil & Environmental Engineering by being involved in every phase of the project right from design, supply and execution, keeping in view the environmental equilibrium.

Apart from being aggressively involved in the sectors of Roads & Highways, Railways, Airports, Ports & Harbours and Water & waste management, we are constantly exploring the development of new application sectors by extensive R&D in new construction technologies.

With a motto- “Engineering a Better Solution”; we do not merely supply products, but work in partnership with our clients, offering technical expertise to deliver versatile, cost effective and environmentally sound solutions. We aim to build mutually beneficial relationships with our clients through the quality of our service and solutions.

With a network of offices spread across the country, ability to provide design and build turnkey solutions, state of art manufacturing units, dedicated research & development team and extensive product portfolio, we are proud that we can provide consistently high quality services to our customers in all corners of our country.

Products:
- Gabions, Mattresses & Sack Gabion
- ParaWeb Polymeric Strips
- Terramesh & Green Terramesh
- ParaLink & ParaGrid (Geogrids)
- Rock fall Netting, Steel Grid, HEA Panels & Rock fall Barrier
- Erosion Control Blanket
- Geotextile-Woven & Non woven
- Geotextile Tubes and Geotextile Bags
- Geomembranes & GCL’s
- Glass Grids
- Drainage Composite
- Geocells
- Prefabricated Vertical Drains
- Snow Fencing

Applications:
- Retaining Structures
- Reinforced Soil Structures
- River Training and Coastal Protection works
- Basal Reinforcements
- Erosion Control
- Rockfall Protection
- Pavement Strengthening & Rehabilitation
- Lining Solutions
- Separation/ Filtration/ Drainage
- Architecture and Landscaping
- Tunneling
- Special Applications

SERVICES
- Manufacturing
- Design & Build Turnkey Solution
- Technical Resource Outsourcing
- Installation Services
- Technical Support for Right Solution & Product Selection
- Onsite Technical Assistance

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