



BIOSTARTS VENTURES

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India – Australia

Project Location

INDIAN EXPLOSIVES Pvt.Ltd. - ORICA

Gomia, Jharkhand, India

<https://www.orica.com/>

Explosive Manufacturing Solid Waste dumpsites and Leachate Pond Slope Stabilization & in-situ leachate Treatment by Vetiver plantation & Bio-engineering

Project Execution



Explosive waste dump site and highly contaminated (Nitrates / Phosphates, Lead, Other heavy metals / TNT) leachate pond remediation by Bioengineering solutions

Explosive Manufacturing Solid Waste dumpsites and Leachate Pond Slope Stabilization & in-situ leachate Treatment by Vetiver plantation & Bio-engineering components



Phase – 2 – Slope preparation & Jute Geotextiles application



Biomass application & Initialization of Vetiver plantation

Explosive Manufacturing Solid Waste dumpsites and Leachate Pond Slope Stabilization & in-situ leachate Treatment by Vetiver plantation & Bio-engineering components



Biomass application & Vetiver plantation

Explosive Manufacturing Solid Waste dumpsites and Leachate Pond Slope Stabilization & in-situ leachate Treatment by Vetiver plantation & Bio-engineering components



Vetiver plantation growth in 30 days

Explosive Manufacturing Solid Waste dumpsites and Leachate Pond Slope Stabilization & in-situ leachate Treatment by Vetiver plantation & Bio-engineering components



Vetiver plantation growth in 60 days

**Explosive Manufacturing Solid Waste dumpsites and Leachate Pond
Slope Stabilization & in-situ leachate Treatment by Vetiver plantation &
Bio-engineering components**



Vetiver plantation growth in 2 months

**Explosive Manufacturing Solid Waste dumpsites and Leachate Pond
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Rapid Vetiver plant growth & Slope stabilization in 4 months

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Vetiver Plant growth in 4 Months

Plant Growth & Biomass parameters

Leave Height in 4 months - 1.5 mt.

Biomass harvest in 4 months (wet) - 8 Tons / 1000 Sq.m)

Root length observed in 4 months - 1.0 mt.

Project Installation by

Biostarts Ventures
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