

Tensar MSL reduced construction time and cost for pavement rehabilitation and upgradation work

Ahmednagar-Mirajgaon-Karmala-Tembhurni (NH-516A) Package II (km 38+775 to km 80.390)

Maharashtra, India

CLIENT'S CHALLENGE

The client struggled to maintain the cement quality needed to stabilise the sub-base as required in the original proposal. This created uncertainty in the cement stabilisation quality and caused delay in project delivery. Under the time and budget pressure, the client approached Tensar for an alternative solution.

TENSAR SOLUTION

Instead of cement stabilisation, mechanical stabilisation using Tensar multiaxial geogrid was proposed at the interface of granular sub-base and wet mix macadam layer. Incorporation of Tensar's multiaxial geogrid at the interface, led to stabilisation of the unbound layer and enabled an optimal cost effective pavement section with the same performance as a conventional pavement. In addition to the design proposal, Tensar also provided technical support to obtain design approval and site training to contractor's team.

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PROJECT DETAILS

Constructed in
2022

Client
National Highway Authority of India (NHAI)

Contractor
Anish Infracon India Pvt. Ltd.

Consultant
Dhruv Consultancy Services Ltd

Product
Tensar Multiaxial Geogrid



Mechanical stabilisation using multiaxial geogrid on sub-base and wet mix macadam layer on the road section

**Road, Pavement,
& Trafficked Areas | No. 507**

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