

Geotechnical Characteristics of Miocenemarls in the Region of Medea North-South Highway, Algeria

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Abstract : The purpose of this paper aims for a geotechnical analysis based on experimental physical and mechanical characteristics of Miocene marls situated at Medea region in Algeria. More than 150 soil samples were taken in the investigation part of the North-South Highway which extends over than 53 km from Chiffa in the North to Berrouaghia in the South of Algeria. The analysis of data in terms of Atterberg limits, plasticity index, and clay content reflects an acceptable correlation justified by a high coefficient of regression which was compared with the previous works in the region. Finally, approximated equations that serve as a guideline for geotechnical design locally have been suggested.

Keywords : correlation, geotechnical properties, miocene marls, north-south highway

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