

Transport Sector Reform and Modernization in Myanmar - Railway Modernization Project, Project Preparation and Engineering (PPE) Consultant

Client:

Asian Development Bank

Country:

Myanmar

Duration:

From 4/1/2019 to 12/31/2019

Services:

Environmental Measurements / Monitoring /
Information / Systems
Planning and Design of Environmental
Information and Decision Support Systems

Project objectives

Railway Modernization Project, 226km long railway track, Environmental survey and elaboration of measure to mitigate potential project impact

Project description

Environmental Survey and Assessment of Railway Modernization Project Yangon - Pyay

Project data

Measurement of Noise, Vibrations and Air Pollution Sampling of water, soil and wood (from sleepers) Analysis of the collected data, Comparison with applicable standards and guidelines, Elaboration of measure to mitigate potential project impact

Project specifics

Measurements and sampling along the entire railroad track, Air pollution measurements performed with passive collectors

Services

Measurement of ambient air quality (NO_x/NO₂, SO₂, CO, BTX/VOC and particulate matter) Measurement and modelling of noise for daytime and nighttime values; Taking water samples and measurement of physical parameters (conductivity, pH, oxygen) and chemical parameters with laboratory analysis; Measuring and modelling of vibration to reflect potential impact on man and houses

