

LAO P.D.R.

REHABILITATION OF NATIONAL ROAD 6 (RN 6)

Location	Xieng Khouang and Houa Phan Provinces
Client	Ministry of Communication, Transport, Post, and Construction (MCTPC), Vientiane
Financing	German Financial Cooperation / KfW
Period	1994 - 2004
Value of Services	3.290 million US\$



Project Description

Rehabilitation of the 270 km National Road 6 reaching through difficult mountainous terrain from the town of Muang Kham via Xam Nua to the Vietnamese Border, and building-up of a maintenance system (length-person-system).

Presently, the road is not trafficable throughout the whole year and becomes rather impassable during the rainy season:

- Section B (Nam Neun - Xam Nua, 91.5 km earth road) is in need of substantial rehabilitation and surface treatment
- Sections A (Muang Kham - Nam Neun, 93.1 km) and C (Xam Nua - Na Meo, 83.6 km) have already received a bituminous seal some time ago which now requires general repair
- Clearing of unexploded ordnance (UXO) prior to construction
- Establishment & operation of a Mobile Axle Load Control Unit (MALCU)

Scope of Services

Engineering study:

- Selection of road bottlenecks to be improved
- Basic investigations (hydrology, materials, topography)
- Economic study
- Detailed engineering design and preparation of tender documents

Tendering and assistance in award of contracts

Supervision of UXO-clearance activities:

- Explosive Ordnance Disposal (EOD) for roads, borrow pits, bridge and culvert sites, Contractor's camp
- Training of Contractor's staff in the EOD activities
- Supervision of construction and rehabilitation works, and contract administration including extensive training of local technical staff

Development of maintenance system:

- Design and introduction of labour-intensive (length-person-system) and of mechanical routine maintenance
- Preparation of a maintenance programme for structures and bridges
- Design of a periodic maintenance system