NovoCrete®

Soil stabilization technology

Creation of a hydraulically solidified base layer in the course of the rehabilitation of an unpaved link road

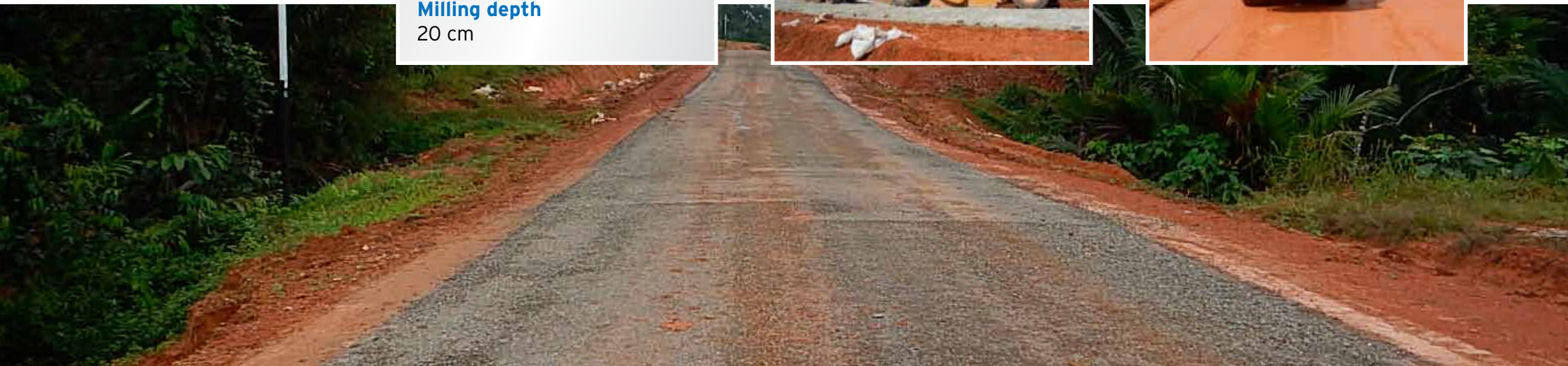
Jobsite report

Location
Mindiptana/Papua, Indonesia

Execution
June 2014

Milling depth
20 cm

Roads



Characteristics of this project

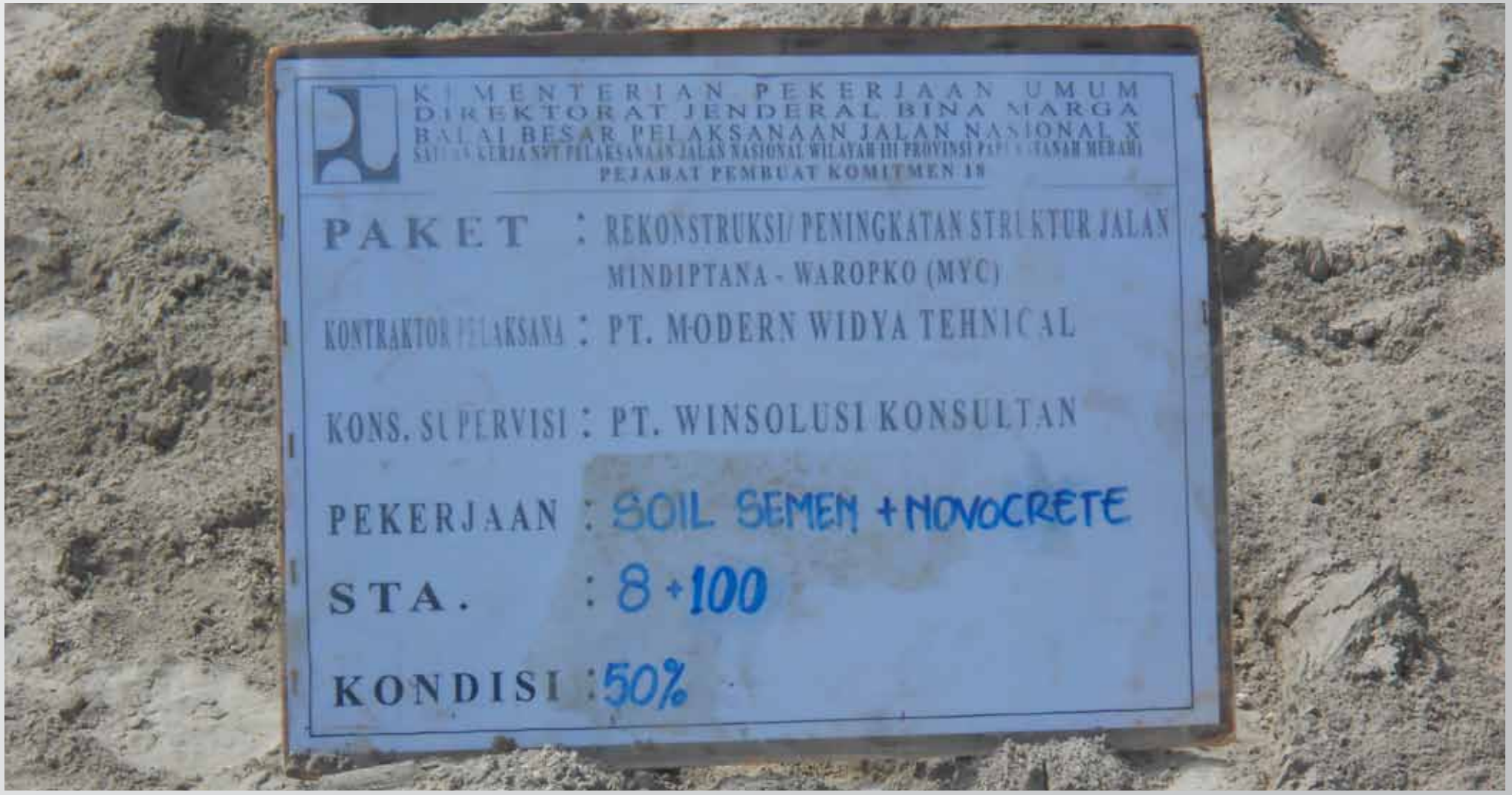
- No gravel/aggregate material available
- No durable stabilisation of the existing laterite soil by using traditional soil cement technology
- Heavy rainfall

Factors of success for NovoCrete®

- The existing laterite soil could be stabilised
  - *Secure and durable*
- The layer absorbs no more water and remains stable
  - *Time and money savings*

Rehabilitation of an unpaved link road

The project

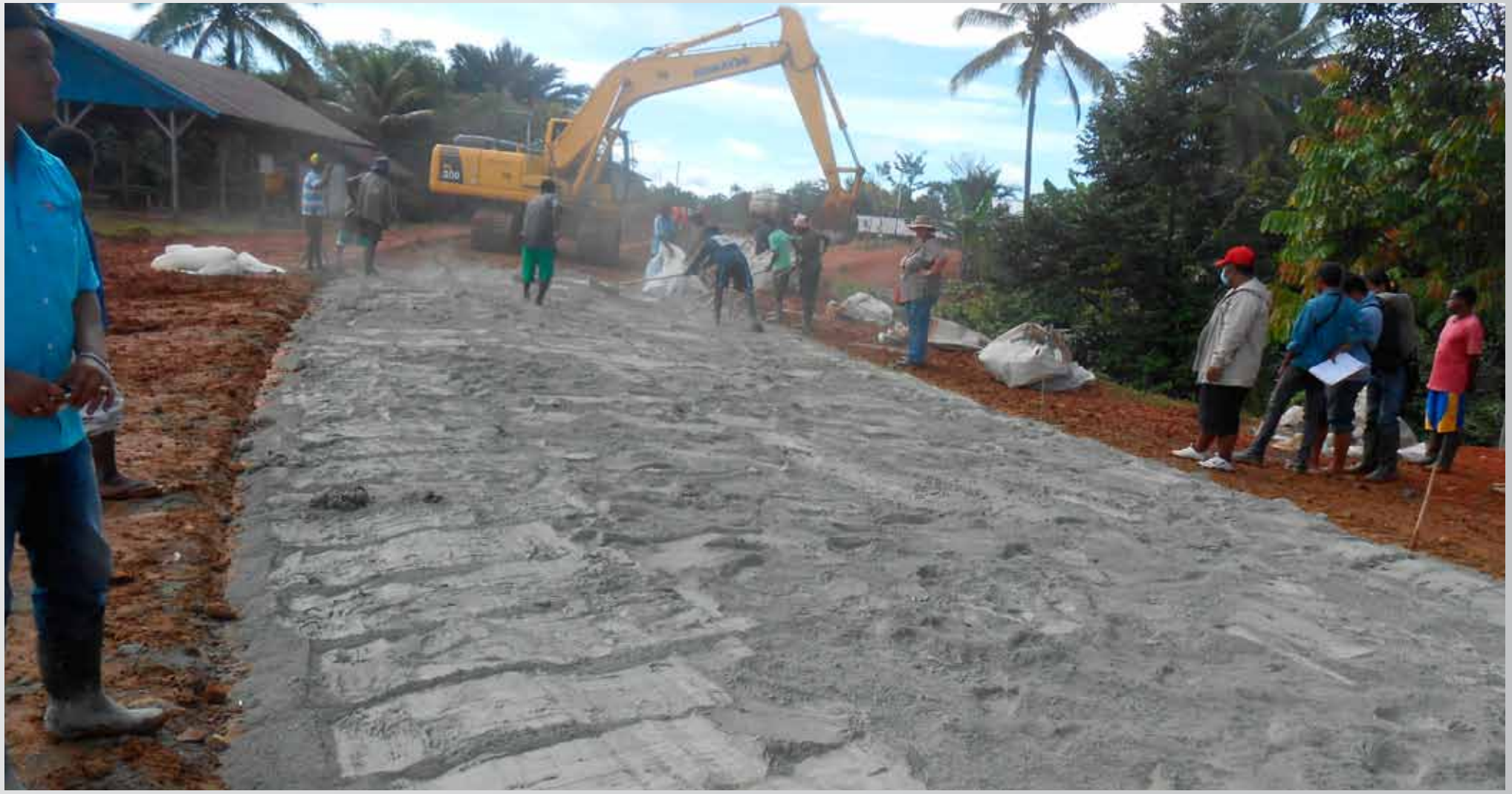


Rehabilitation of an unpaved link road

Initial situation - prepared rough level

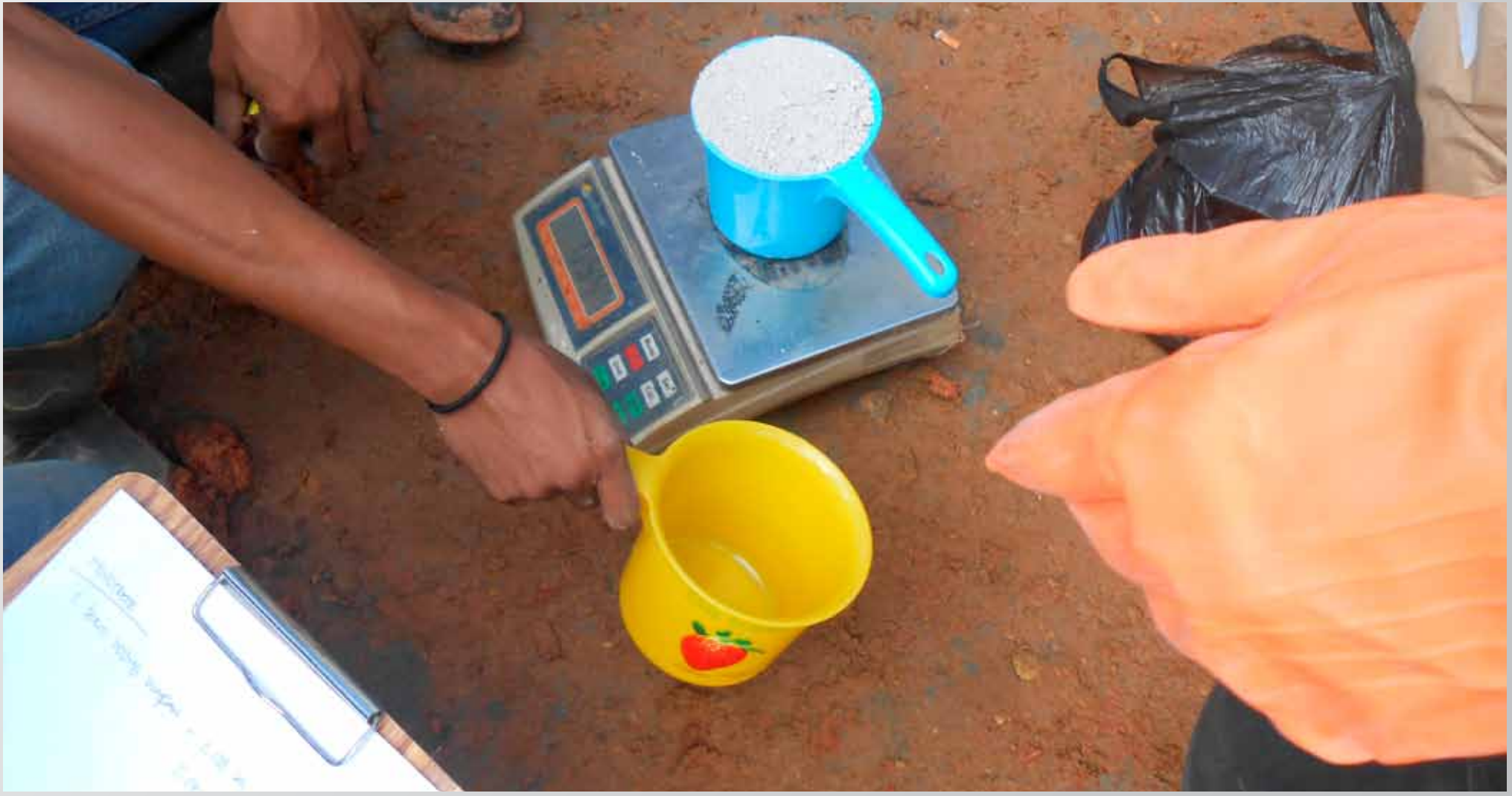
Placing of the cement jumbo bags

Distribution of the cement



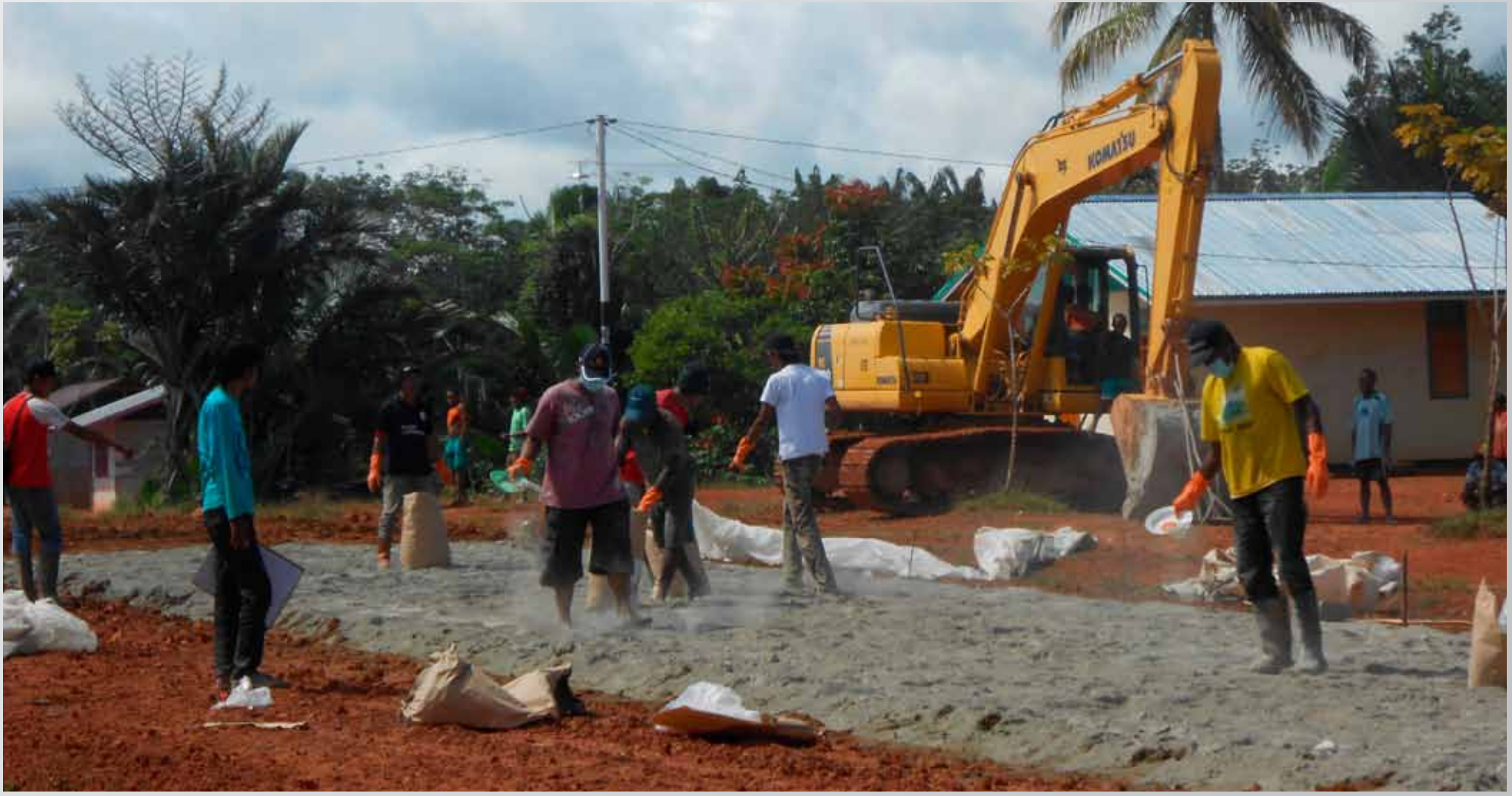
Rehabilitation of an unpaved link road

Check of the amount of NovoCrete® to be spread per m²



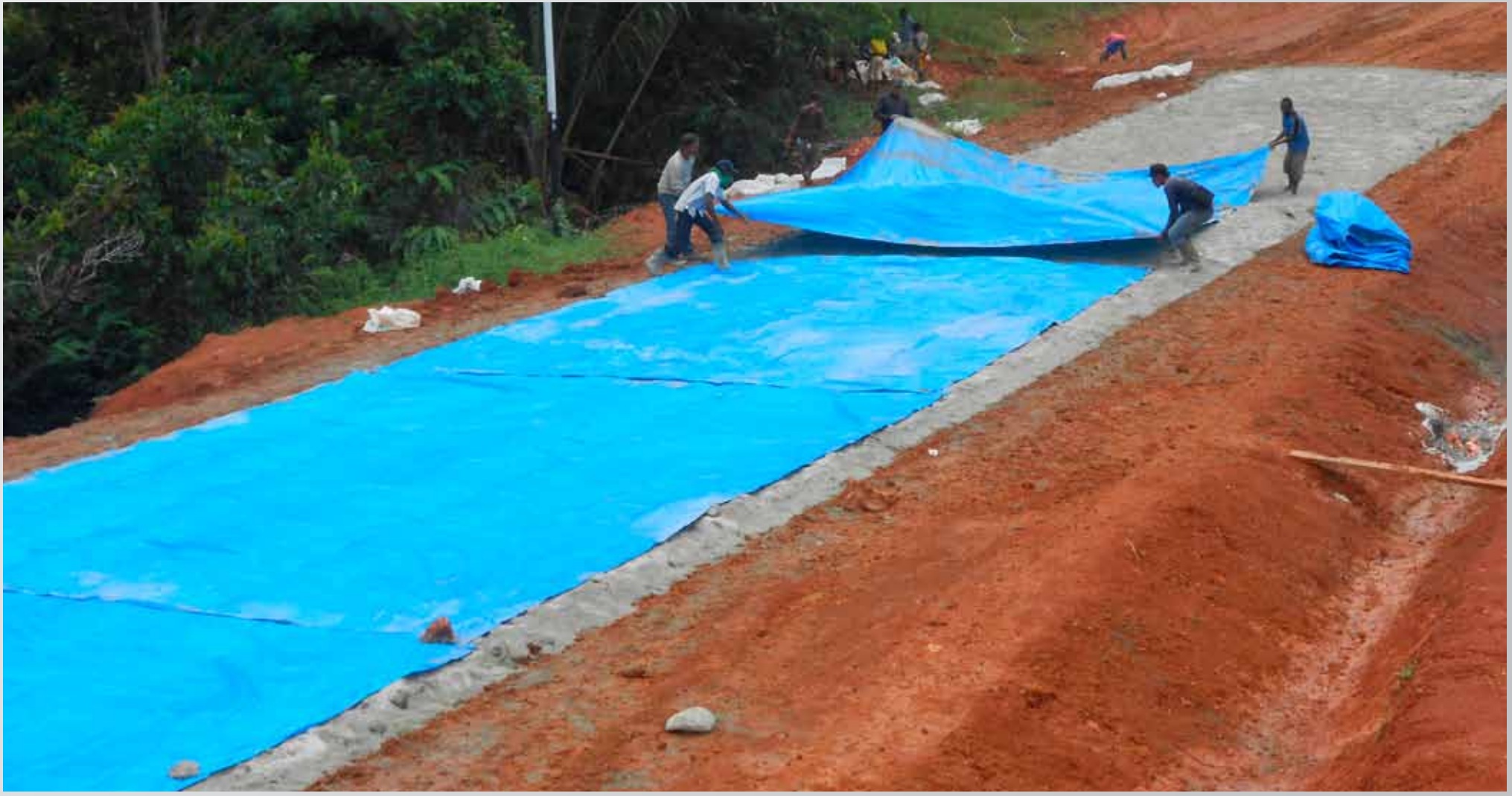
Rehabilitation of an unpaved link road

Manually spreading of the exactly defined amount of NovoCrete® per m²



Rehabilitation of an unpaved link road

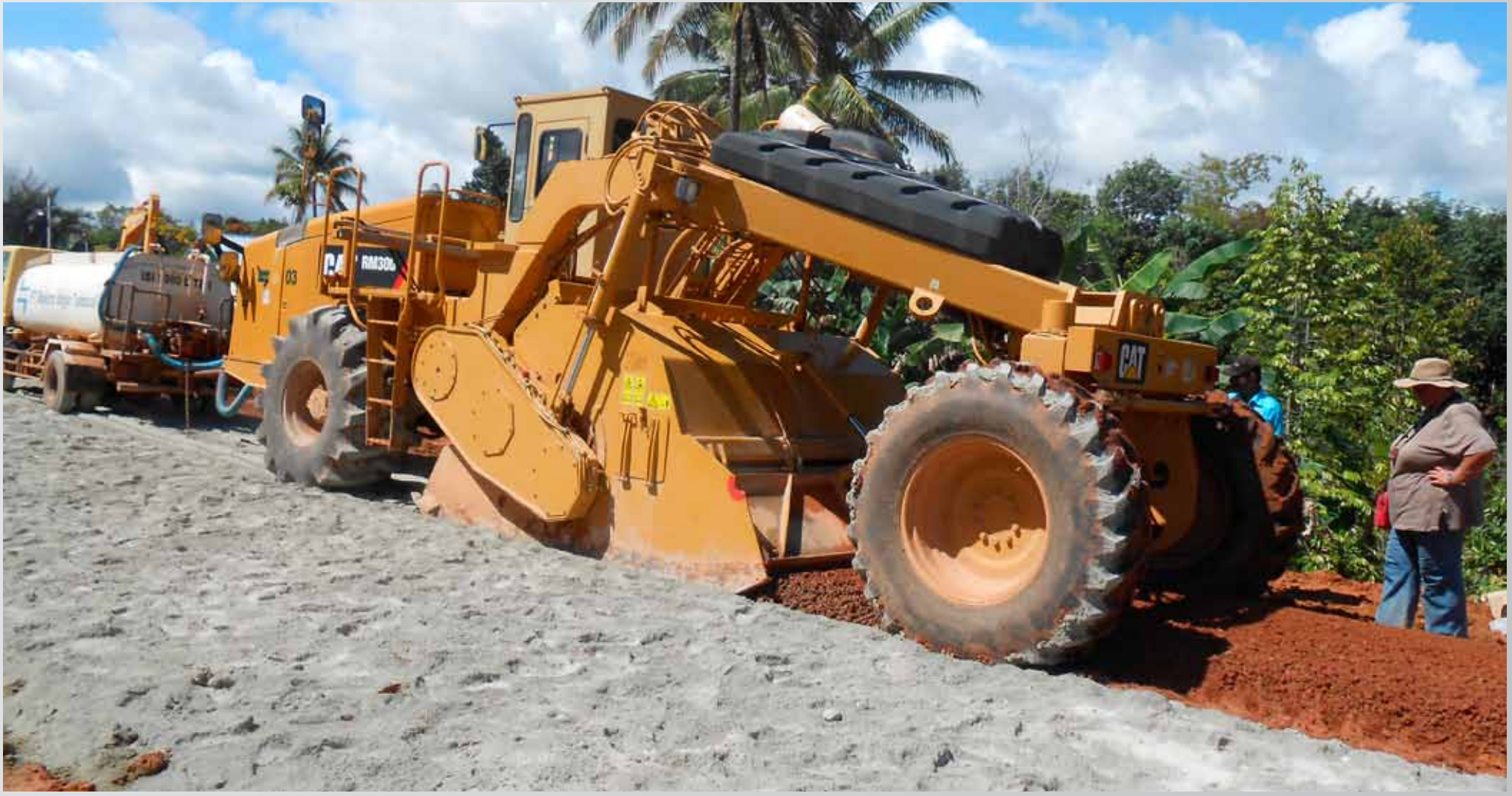
Covering of the area with spreaded cement-NovoCrete® mixture against upcoming heavy rainfall



Milling process of the cement-NovoCrete® mixture

Rehabilitation of an unpaved link road

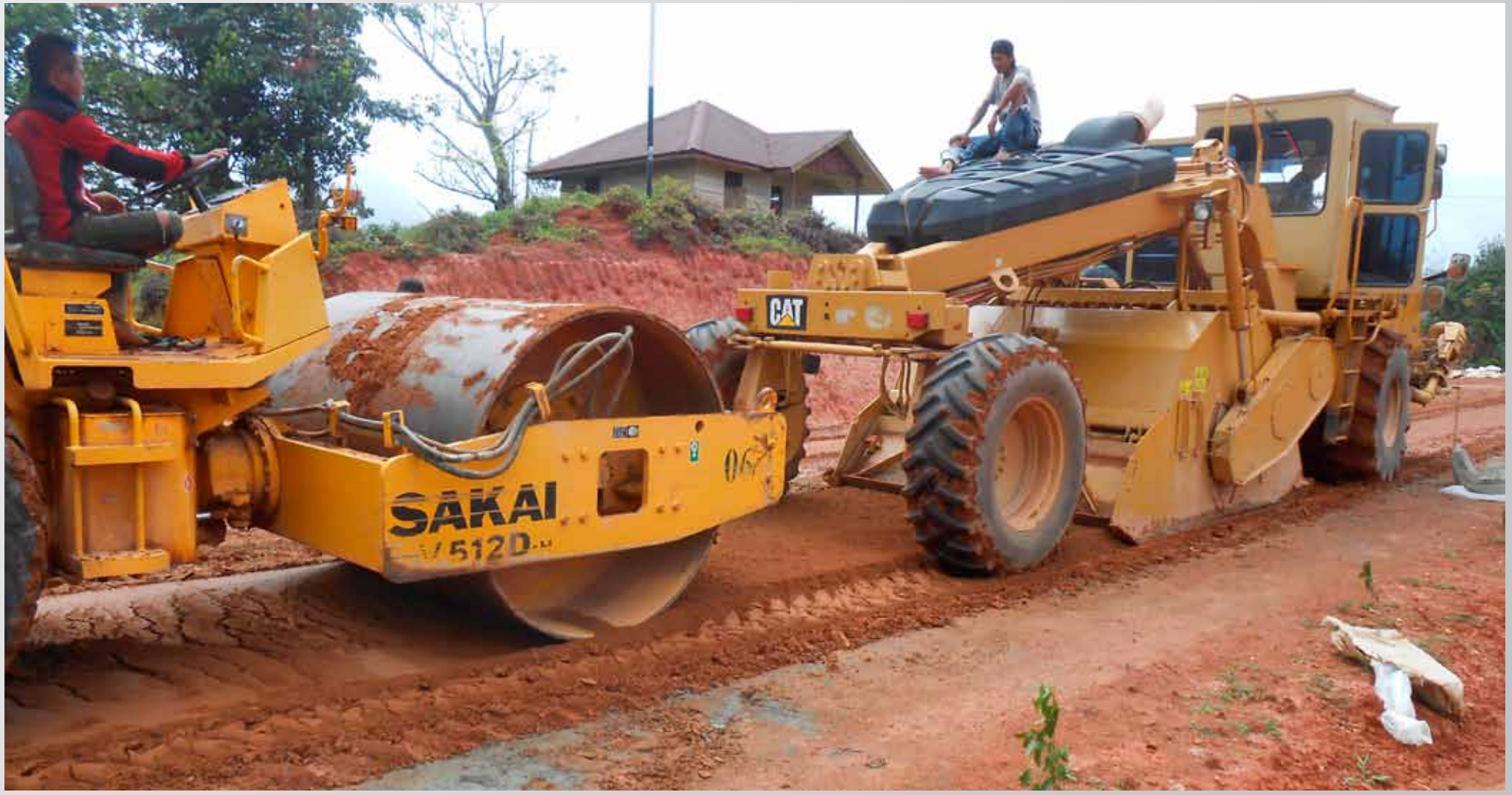
Milling process of the cement-NovoCrete® mixture by adding water



Homogeneous mixture after the milling process

Rehabilitation of an unpaved link road

Milling step with subsequent precompaction process



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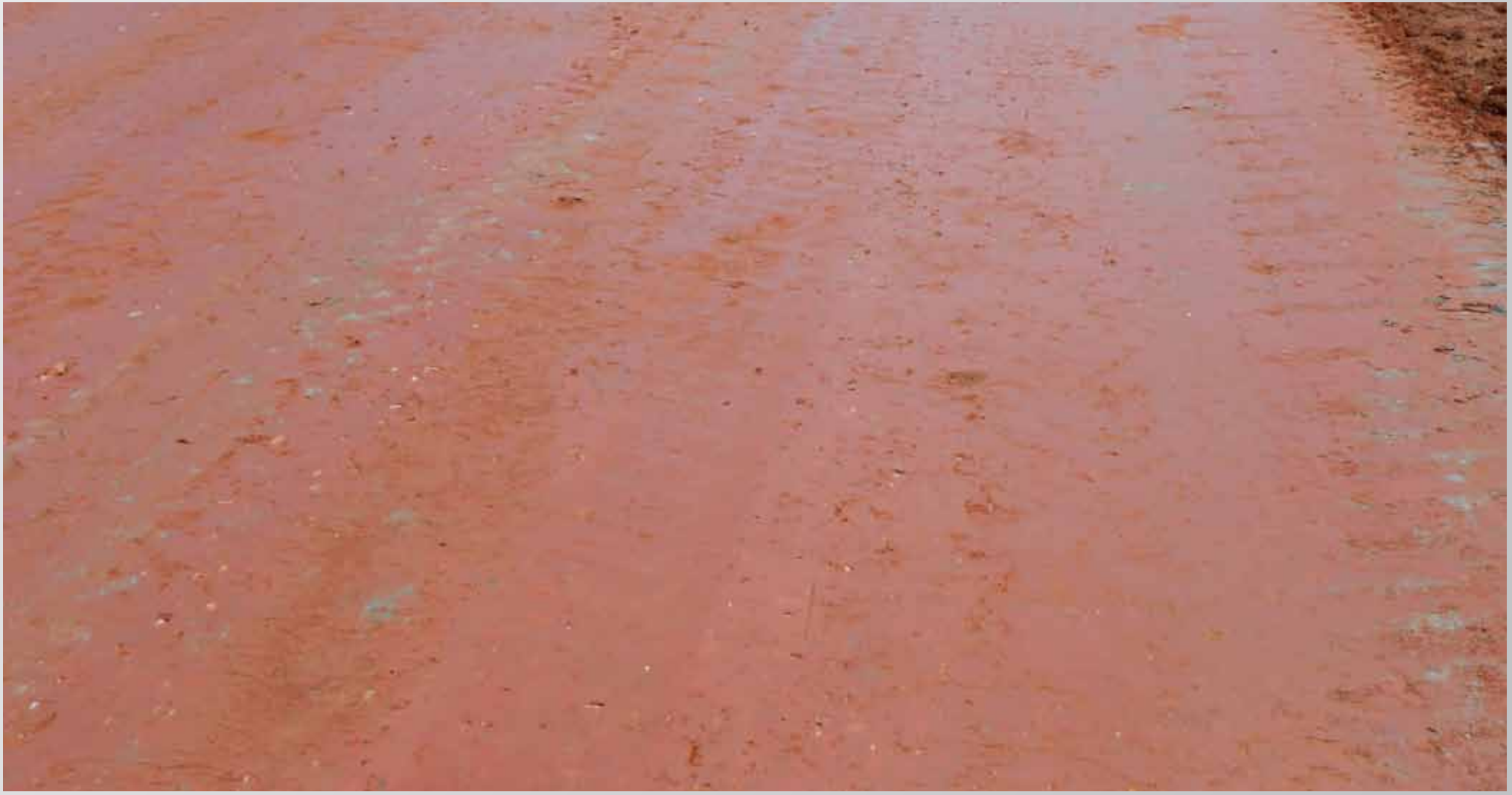
Milling of cement-NovoCrete®-mixture with subsequent compaction

Leveling of the fine level by using a grader

Static and dynamic compaction of the fine level by using a steel drum roller for achieving the required degree of compaction

Stabilized NovoCrete® base course layer (before irrigation process)



Irrigation of the area (protection against evaporation)

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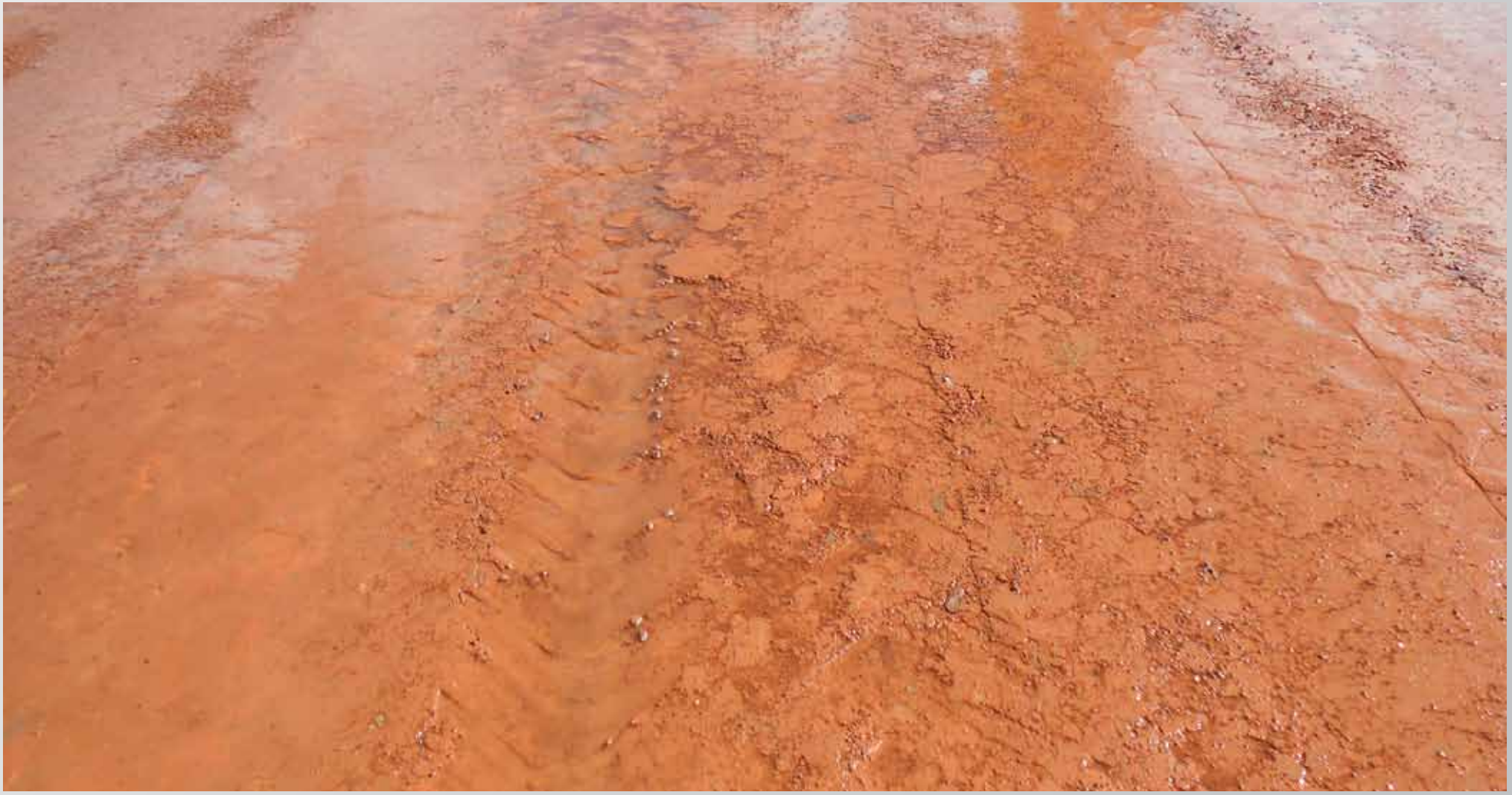
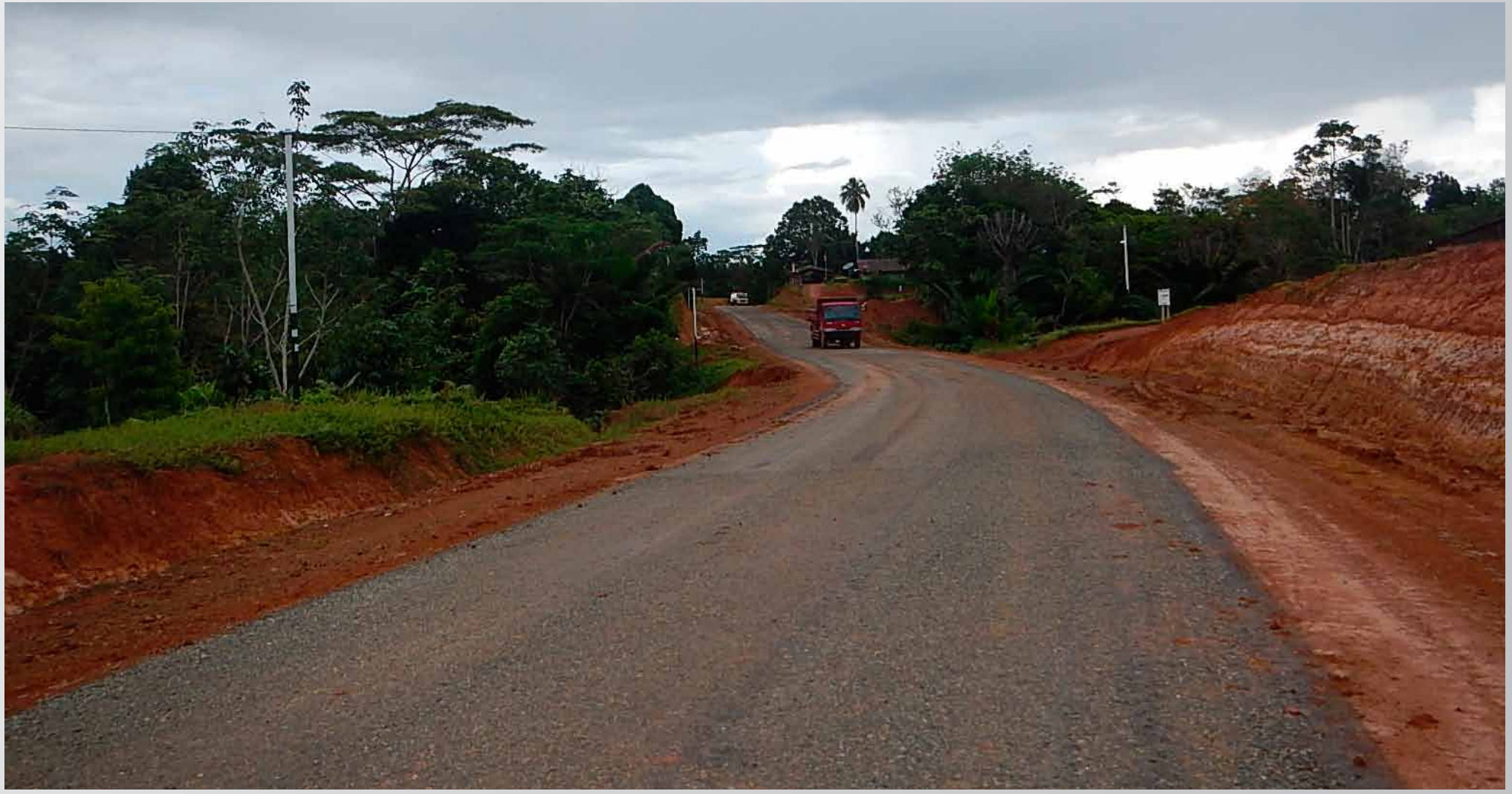
Close-up of the irrigated NovoCrete® base layer



Rehabilitation of an unpaved link road

Finished road with a "Burda" layer



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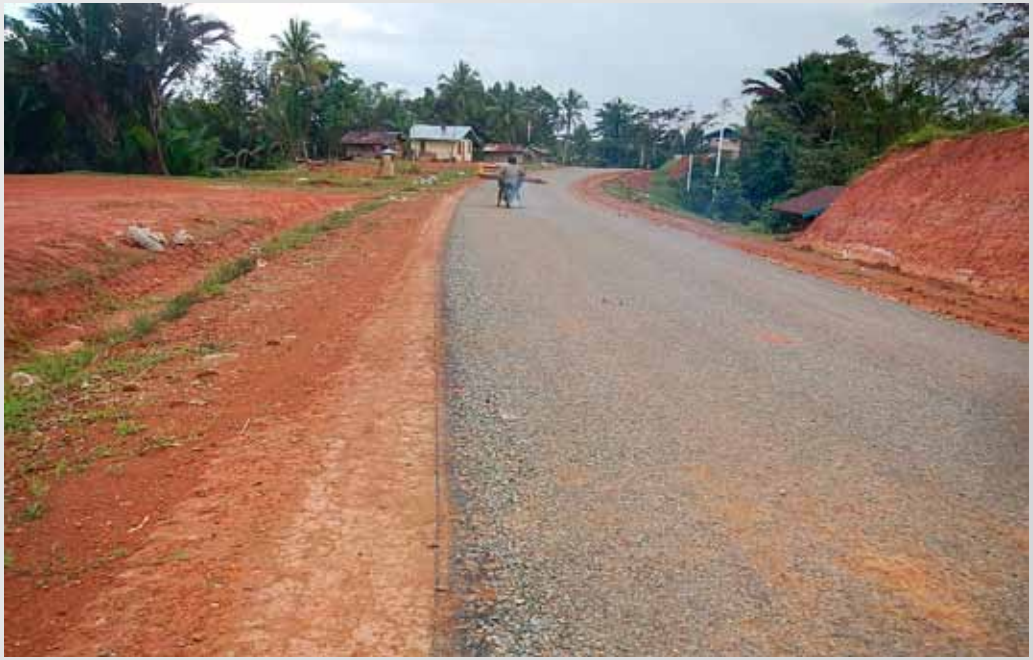

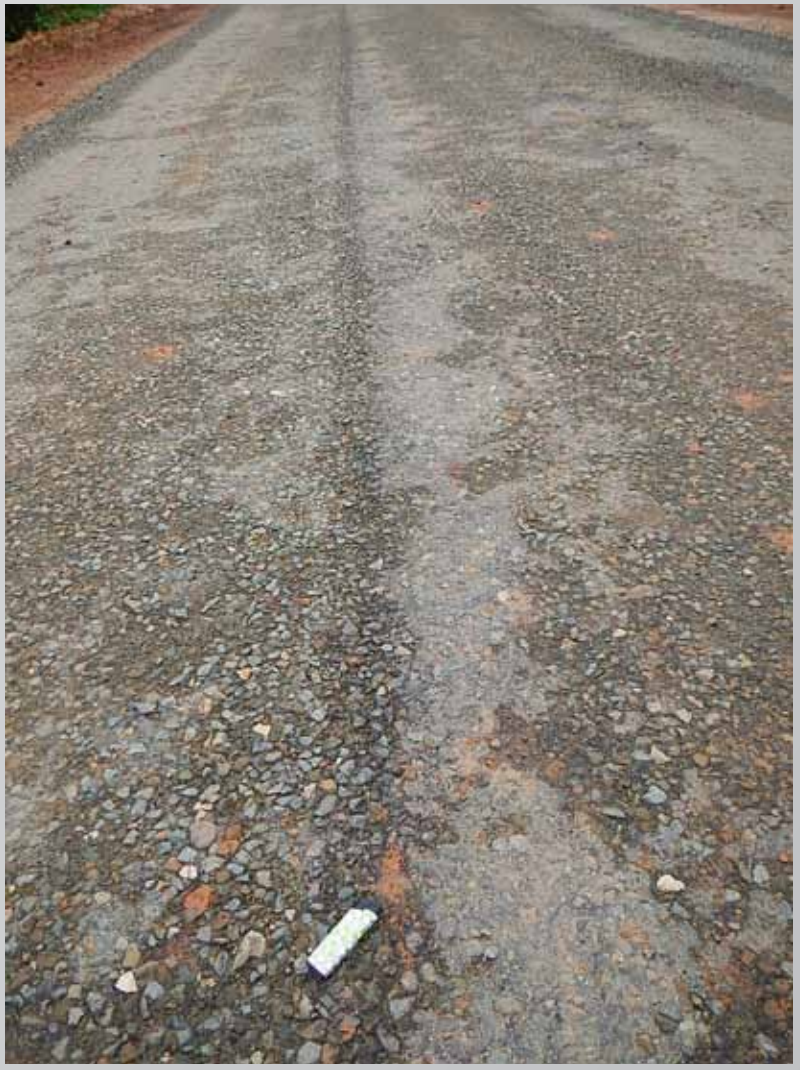

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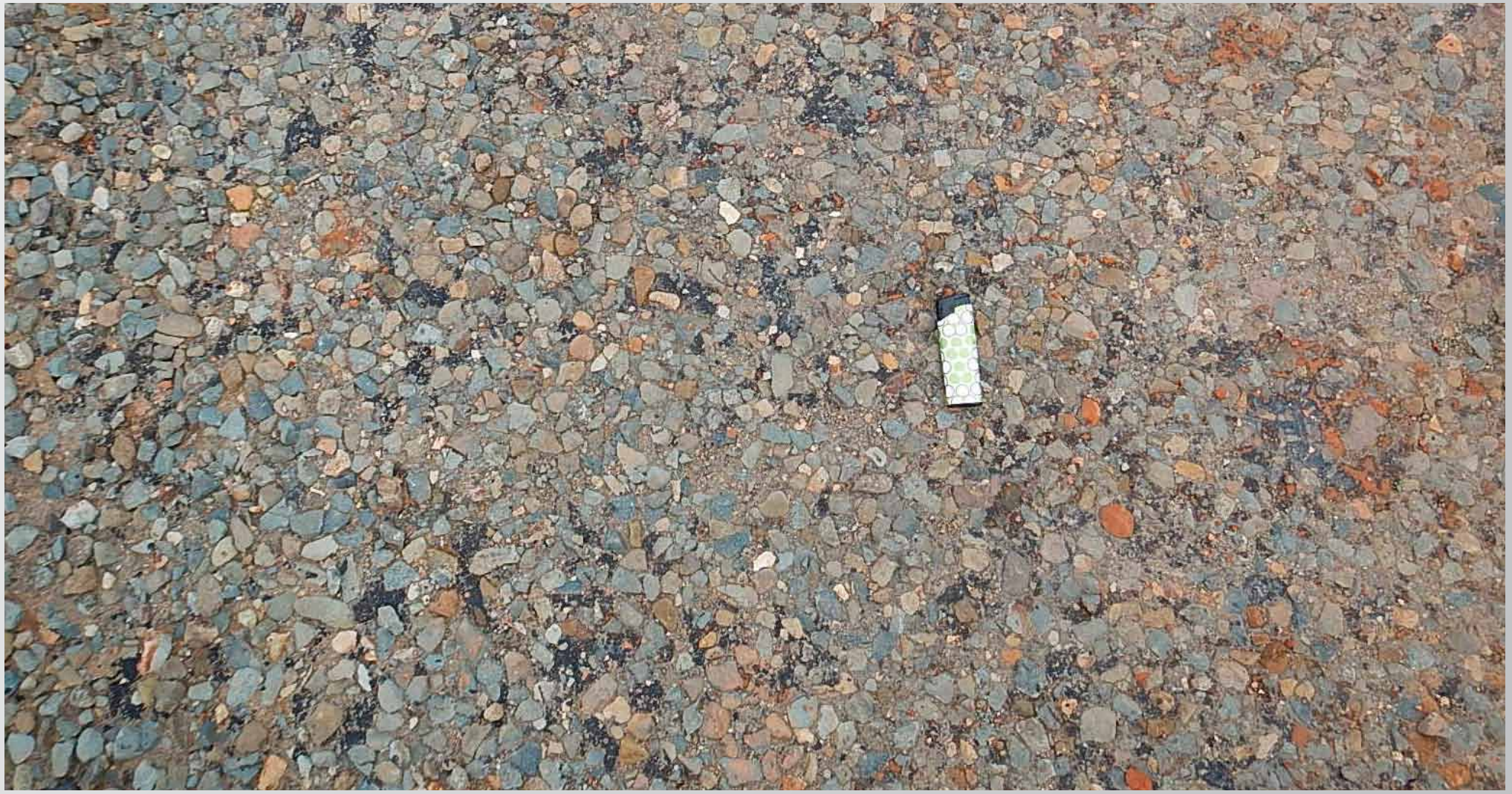

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and harbours on our website www.novocrete.com

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