

13-June-2014

REFERENCE: Subcontracts TDV-S-033 and TDV-S-069

To whom it may concern

BAUER Spezialtiefbau GmbH, whose office is located at BAUER Straße 1, 86522 Schrobenhausen, Germany has carried out the construction of a plastic concrete cut off wall for the impermeabilization of the main water control structure and also a reinforced concrete diaphragm wall for the protection and stabilization of the slope surrounding such structure, as part of the scope of works included in the "Contrato de Construcción de las Obras del Proyecto Trasvase Daule-Vinces" contract between SENAGUA and CONSTRUTORA NORBERTO ODEBRECHT S.A. in Ecuador.

Plastic Concrete Cut off wall

Execution period: July 2013 to October 2013

Location: Salamina – Guayas Province - Ecuador

Quantity: 5.335m³ / 6.669m²

Total Length: 473m

Max. Depth: 27m

Thickness: 800mm

Reinforced Concrete Diaphragm wall

Execution period: November 2013 to January 2014

Location: Salamina – Guayas Province – Ecuador

Quantity: 6.106m³ / 7.633m²

Total Length: 508m

Max. Depth: 15m

Thickness: 800mm

Geological conditions:

The crossed soil layers comprised mainly of silty sand changing into sandy silt in the average upper 7m excavation followed by clayish silt layers and fine silty sands up to 22m deep, average very stiff clay followed by green fine sands could be found up to 25m deep.

The BAUER team mobilized to the site prepared and executed the works with a thorough understanding of their trade. Trial mixes and proper quality management and control according with the detailed method statement helped attain the required standards for the finished product.

The work was carried out in a professional and satisfactory manner, according to specifications and within the contract's scope and term.

Sincerely,



Julio Lopes Ramos
Contract Director