

**Hidden Valley
EPC2 Project,
Morobe Province.**



UPGRADE WORKS : ROM POCKET and STATIC GRIZZLY, TSF PONTOON PUMPS & HV CRUSHER DEBOTTLENECKING / NEW WOBBLERS



Hornibrook NGI was contracted by Kramer Ausenco to supply, fabricate and install works under a lump sum EPC (engineering, procurement and construction) arrangement they had with Harmony. The project was engineered, first quarter 2017, and constructed onsite during the plant nominated shut period, July through to September. Below is a summary of the 3 separable portions forming the project.

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1. Rom Pocket and Static Grizzly
The Project will address the issues of the system's inability to maintain an unimpeded flow across and through the run-of-mine (ROM) grizzly without regular assistance from additional mobile equipment. Due to the characteristics of the mined material, the ore builds up on the grizzly panels and creates blockages.
2. TSF Pontoon Pumps
The Project is required to relocate the Tailings Storage Facility Decant Water Pontoon Pumps to allow space for a future saddle dam in the pontoons current location. The new location for the pontoon pumps is based on a refinement of the recommendations provided by Klohn Crippen Berger (refer to report 150629M FM157 Reclaim Barge Relocation Options) midway between the main dam and the saddle dam, at the toe of the plant ridge.
3. HV Crusher Debottlenecking / New Wobbler
The Project aims to debottleneck constraints on the crushing circuit and increase the throughput. The high moisture and clay content of the feed material results in poor performance of the current crushing circuit. The inability of the existing wobbler system to effectively separate the wet sticky undersize from the oversize material results constant blockage of the jaw and secondary crushers resulting in significant delays.

The scope of work was supply & fabricate steel work, civil, structural, mechanical, electrical and instrumentation for site installation of the separable portions above.

We commissioned the Scats Handling Conveyor System Middle of November, 2017.



Contract Period:

2017

Contract Value:

PGK 4,718,860.41

Client:

Kramer Ausenco

Service:

Supply, Fabricate and Civil, Structural, Mechanical, Piping, Electrical and Instrumentation Installation.