



2014-2015 Project Report



Project: 1200 m³/hr Tailing Mixing and Pump House plant

Client: GOLGOHAR Industrial & Mining Co. (GEG)



➤ Outcome

Collecting , Mixing and pumping of 1200 m³/hr iron ore concentrating plant's tailing slurry from existing plants.

The 35%~38% solid contented tailing mixture has been pumped to new tailing dam through the eight HDPE DN250 x 1450 meters pipe lines.



➤ Background

GOLGOHAR industrial & Mining Co. has been constructed to produce 9.2 million ton annually iron ore concentrated.

Usually 1200 m³/hr tailing is producing so must be transferred to the tailing disposal dam.



➤ Project Objectives

The existing tailing dam has been over-flowed , So new tailing dam planned for 1200 m³/hr tailing transferring.

The project was consisted of a receiving tank, two mixing agitator tank to make a homogenized mixture of three different tailing slurry , 8 slurry pumps, slurry valves, automation system, utilities (compressed air, gland seal water) and 8 pipe line .



➤ Our Challenges & Approach

The limited time was the biggest challenge in this project. Also the location of the project where considered to construct this plant was another problem that was solved by our team.

We were initially approached by GEG, which then elicited meetings with them to confirm the project scope. Detail engineering principles, equipment supply and installation were put in the scope of works