



News release

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New Flotation Plant

BGRIMM Flotation circuit was designed, constructed and commissioned to process 12.2Mt per annum of underground sulphide ore through Autogenous circuit and one dedicated conventional milling circuit at 88% Copper recovery with the aim to produce over 160kt per annum of concentrate at the grade of 30% copper content as feed to smelter with 1.2Mt/annum of magnetite that will be recovered downstream in magnetite plant as bi-product to supplement Iron ore production from the old dumps and final tailings thickened for maximum re-use of process water and tailings storage facility for tailings disposal. This state of art technology was designed to replace the ageing Wemco flotation circuit with high operating and maintenance cost. Phase 1 of the project which was completed in the second quarter of 2017 included the retrofit of existing secondary grinding circuit and decommissioning of the conventional stream which was labour intensive with high energy consumption, reagents and maintenance cost with the aim to improve profitability and metallurgical efficiencies. The new plant is designed to process the ore from underground lift II and recover copper beyond 2033 which was the expected life of mine during the feasibility studies conducted between 2009 and 2014.