

ABSTRACT

Bukit Asam Company is a state-owned coal mining company which has operations in Muara Enim district, South Sumatra. At currently operates in four locations (sites), Tambang Air Laya (TAL), Muara Tiga Besar Utama (MTBU), Muara Tiga Besar Selatan (IMCI) and Banko. The reserch was conducted at Air Laya Mine site (TAL) pit Pre- Bench. Overburden stripping target production is equal to 1,000,000 BCM / month. Problems at this time is not optimal fit and production tool conveyance so that production targets set have not been achieved. Based on research in Pit Pre-there are 3 front bench work, where mechanical devices used in the work front I is 1 unit backhoe komatsu PC 1250SP combined with 5 units komatsu HD785 dump truck. Work fronts II remedy mechanical device used is 1 unit backhoe komatsu PC 2000 combined with 5 units komatsu HD785 dump truck. While working in front III mechanical device used is 1 unit 800SE backhoe komatsu PC combined with 3 units of dump trucks komatsu HD785.

Total production at this time capability of unloading and conveyance equipment amounted to 909.307,33 BCM / month, so there is a lack of production 90.692,67 BCM / month. Thus the production capability and unloading equipment has not met the target set. Not achieved the production target because many lost work time due to stand_by (waiting time) which consists of both obstacles can be avoided and unavoidable. Businesses can be do to improve the loading and hauling of overburden production is increasing effective working time.

Improved efficiency work can be do by reducing time lost because the constraints that occur in loading and transporting activities. Reduction time constraints are based on the hours of work available. With these businesses can be increasing total production of equipment for unloading and conveyance 1,095,660.90 BCM / month. Thus the total production set by the company has achieved.

Keyword: Overburden, backhoe, dump truck, production