

ABSTRACT

Overburden removal activity is one of the activities that are important for a mining activity. This activity is usually done in 3 ways: free digging, using a dozer ripper and blasting. PT Trubaindo Coal Mining use dozer ripper method because of the location of the pit A just 800 meters from residential areas and Adong camp. Units are used for overburden removal in pit A PT Trubaindo Coal Mining is dozer ripper Komatsu D375, backhoe Komatsu PC300 and PC400, dump truck Scania P380, transport distance to the farthest from the mine site to the disposal is ± 500 m.

Problems that occur at this time is not yet achieved a production target of 190 bcm/h. This is due to the low effective working time as a result of the obstacles that exist, there is still a haul road conditions are not ideal and there is none bulldozer to prepare the front loading area, this cases make excavator unit wait and increase the circulation time. Production of excavator at 185,64 bcm/h and production of dump truck currently at 146,88 bcm/h.

Efforts to do so that production targets can be achieved there is alternative which is repair cycle time for mechanical units that can be done by improving the front loading area and haul road widening not yet standard. After the improvement of cycle time production of loader increase to 195,8 bcm/jam and hauler increase to 220,32 bcm/h, so this is the chosen alternative because it can meet the target that have been set by the company.