CV. Cintapuri Pratama is a company engaged in coal mining. CV mining sites. Cintapuri Cintapuri Primary in the village, Banjar Baru, South Kalimantan.

The problem faced by CV. Primary Cintapuri one of which is a problem because there is no draft mine draining system which will result in many puddles on the work area occur mainly during the rainy season. It is very disturbing and working conditions affect production. The main source of mine water in the coal mining area by CV. Primary Cintapuri is rainwater. Plan 123 mm rainfall/day with rainfall intensity of 20.38 mm/h and rainfall return period (PUH) 5 (five) years.

Location mine draining not have an adequate system. Areas which become providers rain water and run off water on site mining plan is divided into 6 Catchment Area.

- Catchment Area I, area = 0.5247 km\(^2\)
- Catchment Area II, area = 0.1152 km\(^2\)
- Catchment Area III, area = 0.0049 km\(^2\)
- Catchment Area IV, area = 0.0093 km\(^2\)
- Catchment Area V, area = 0.0287 km\(^2\)
- Catchment Area VI, area = 0.0453 km\(^2\)

The volume of water that enters the mine at 2.3987 m\(^3\)/second. Open Channel planned is a combination of mine drainage and mine dewatering. Mine Drainage channel made in the KP boundary in order to prevent the ingress of water from outside the mine site, namely:

- Open Channel 1: \(a = 0.7 \text{ m}, \ b = 0.7 \text{ m}, \ B = 1.3 \text{ m}, \ \alpha = 60^\circ\)
  - With diameter of culvert is 1.2 m

Runoff water that flowed through the channel and then get into the sinks. Sinks are made with dimensions of length 118 m, width 60 m, and a depth of sinks is 5 m. After the water is pumped into settling ponds. Pumps are needed as much as 1 unit vertical centrifugal pump type pump with a maximum discharge of 540 m\(^3\)/second pump. In the flow of run off water itself contained dissolved material was 121 mg/l, and the percent solid on settling ponds at 1.35%. With such a large percent of the solid, long deposition of material required for 3 days. The dimensions of the settling ponds is 28 m long, 12 m wide, and a depth of settling ponds is 4 m with a volume of 1152 m\(^3\) settling ponds. Ultimately expected after discharge from the settling ponds, the water that comes out will not pollute the environment around the mine.