PROPOSED SKID MOUNTED TWO STAGE CRUSHING AND SCREENING BELOW 40 MM 250 TPH PLANT:-

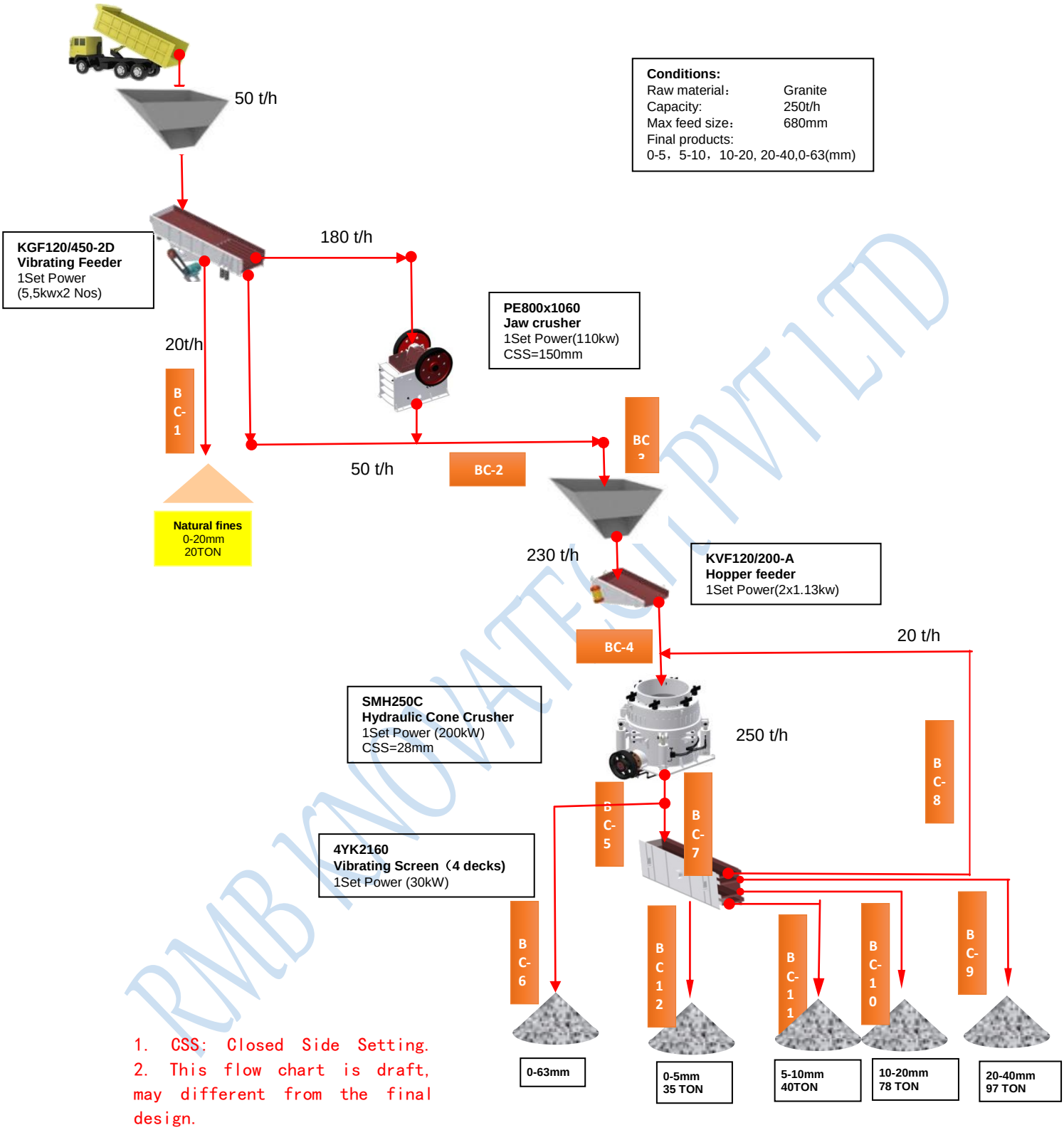
Dump truck will discharge blast material on to dump hopper. Double deck Grizzly feeder will extract material from dump hopper and top deckwill be fed to Jaw crusher. Second deck material will be bypassed from jaw crusher and directly discharge over belt conveyor where crushed material of jaw is also getting discharge. Second deck bottom reject will be conveyed to pile via a small belt conveyor to remove muck from system.

Crushed material of jaw crusher will be fed to a small bin via belt conveyor. This bin is for control, uniform and choke feeding to cone crusher as well as accumulation of irregular discharge by jaw crusher. VVFD controlled Vibro feeder extract material from bin and feed to cone crusher via belt conveyor. There is a reversible belt conveyor underneath cone crusher. This reversible belt conveyor either can feed complete material to a stock pile belt conveyor which will further stock it as GSB or feed to another belt conveyor which will carry material to cone crusher.

Cone crusher discharge will be fed to a four deck screen via belt conveyor. First deck discharge i.e. (+)40 mm will be recirculate to cone crusher. Second deck oversize, third deck oversize and fourth deck undersize material (-)40mm to (+)20 mm, (-)20mm to (+)10 mmand (+)0 to 5 mm will be send to stock pile via product belt conveyor. Fourth deckmaterial (-) 10mm to (+) 5 mmwill be send to a small bin via belt conveyor.

There is a vibro-feeder under bin. It discharge control and uniform material to a belt conveyor for further feed to fine head cone crusher. Crushed material from fine head cone crusher will be fed to a single deck vibrating screen via belt conveyor. Over size of vibrating screen (-) 10 mm to (+) 5mm will be recirculated to fine head cone crusher and under size (-) 5mm to (+)0 will be send to stock pile via product belt conveyor.

1. Equipment and mass flow diagram



1. CSS: Closed Side Setting.
2. This flow chart is draft, may different from the final design.