

## **INDUSTRIAL MINING LICENCE (FOR CATEGORY A AND B ONLY)**

### **ECONOMIC VIABILITY REPORT – FORM AND CONTENT**

An Economic Viability Report shall contain the following particulars, maps and plans.

- (1) Property Plan – Description , boundary Survey :
- (2) Development and Production Programme :
  - (a) Ore Reserves :
  - (b) Mining Plan – Mine life, schedules, methods.
  - © Processing Plan – milling, beneficiaries, flow-charts, schedules, methods.
  - (d) Environment protection plan (incl.tailings, waste management)
  - (e) Plan Site/Facilities :  
(layouts access, water, power, construction (where applicable))
  - (f) Mine Restoration Plan :  
-designs, progressive site rehabilitation procedures.

Where the magnitude of the proposed mining operation is determined by the Director to warrant additonal documentation, all or part of the following information may also be required.

- (3) Marketing and sales Plan :
- (4) Net Revenue Analysis / Cash Flow Analysis
- (5) Capital Costs - lands, buildings, equipment, working capital
- (6) Operational Costs – personnel, benefits, administration, maintenance , health and safety, environment, royalties, taxes, bonding, financing, utilities, transportation.
- (7) Employment and Training Programme
- (8) Environmental Impace Study :
  - (a) Base – line Data –  
Sampling and/or analysis of soils, surface and subsurface waters, air quality and noist levels , plant and animal life.

Production Impact –

- (a) analysis of the effect that mining ,milling, plant, removal and transport of material, housing and worker activities, will have on existing human habitation and the current uses of land, water , animal and plant resources.

(9) Detailed Mine Restoration Plan :

Procedures, schedules and estimated cost of managing, monitoring and progressive control and correction of all adverse effects of mining operations with respect to water pollution, air pollution, soil contamination, noise explosives and all other factors that may tend to degrade and/or endanger the environment. The time frame for both progressive and final completion of the restoration work outlined must be setout.

(10) Mine Restoration Bond :

Upon analysis and the approval of the Mine Restoration plan,the Director may require the signing of a reclamation bond.

The amount of the bond shall be calculated on the basis of the costs outlined by the licensee in the Mine Restoration Plan. Such costs and the required security shall include and extimated aggregate current cost for labour, equipment,supplies and services to conduct one or more or the following restoration activities.

- (a) removal of buildings and plant facilities.
- (b) protective capping of pits, adits, declines and shafts.
- © Stabilizing of tailings areas, steep rock faces, drainage containment areas.
- (d) Surface contouring.
- (e) re-vegetation.

Acceptable bond forms include cash, a letter of credit from an intenationally ccredited bank, a surety or other negotiable bond or other approved security. The elements of the plan and the amount of bonding is to be reviewed and adjusted at every two year interval.

KPH/jmf.