

Table No. 4. Reserve Estimation (Possible Reserve)

Cross-Section Line	Sectional Area, M <sup>2</sup>	Strike influence (m)	Volume (m <sup>3</sup> )	Quantity (MT)
X - X'	172	144	24768	54489.6
Y - Y'	135	152	20520	45144.0
Total			45288	99633.6

**Geological Reserves:**

The summarized category-wise geological reserve estimated by is:-

Table No. -5.

Mineral Reserve	Code	Quantity of RBM (Cum)	Quantity of RBM in Tons
Proved Reserve	111	90576	199267.2
Probable Reserve	122	45288	99633.6
Possible Reserve	133	45288	99633.6

**Mineable Reserve:-**

The proved mineable reserve is calculated as under:

Total Area= 3.024 Hec = 30240 M<sup>2</sup>

- Deposit at 1.5 m Depth = 45360 M<sup>3</sup>
- Quantity of minerals (tonnes) = mining area x 1.5 m depth x 2.2 bulk density = 99792 tonnes/year

**6.4 MINE REPLENISHMENT**

It has been assessed that proposed mining area/ mineral picking area generally gets flooded during monsoon season and gets completely replenished. However, The Department of Geology & Mining may monitor the replenishment within the lease area and specific consultation of study may be conducted whenever required.

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