

RESOURCE ESTIMATION SHEET, SIMAR BLOCK

Resource Calculation for Cement Grade Limestone at G3

Sr. No.	BH ID	Area of Influence of BHs (in Sq. m.)	Thickness (m)	Volume (in Cubic meter)	Average Specific Gravity	Tonnage (in Metric Tonnes)	Tonnage (in Million Tonnes)
1	SBH-1	542425.17	5.53	2999611.20	2.70	8098950.24	8.10
2	SBH-2	496437.11	2.76	1370166.42	2.70	3699449.32	3.70
3	SBH-3	329240.60	–	–	2.70	–	–
4	SBH-4	373517.13	2.00	747034.25	2.70	2016992.48	2.02
		1741620.00				13815392.04	13.82

Resource Calculation for Marl at G3

Sr. No.	BH ID	Area of Influence of BHs (in Sq. m.)	Thickness (m)	Volume (in Cubic meter)	Average Specific Gravity	Tonnage (in Metric Tonnes)	Tonnage (in Million Tonnes)
1	SBH-1	542425.17	–	–	2.69	–	–
2	SBH-2	496437.11	0.72	357434.72	2.69	961499.39	0.96
3	SBH-3	329240.60	–	–	2.69	–	–
4	SBH-4	373517.13	2.00	747034.25	2.69	2009522.14	2.01
		1741620.00				2971021.53	2.97

Resource estimation has been carried out using the Thiessen Polygon method in ArcGIS. In this approach, the area of influence of each borehole was defined by constructing polygons equidistant from neighboring boreholes, ensuring that the entire block area was covered among the drilled boreholes. The lithological thickness of Cement Grade Limestone and Marl considered corresponds to the intercept thickness recorded in individual boreholes. These borehole-specific influence areas and thickness values formed the basis for volumetric estimation, which was subsequently converted to tonnage using specific gravity.