

<p><b>Project title:</b> Advice on stability of underground workings and overlying strata at Talcher coalfields, MCL.</p> <p><b>Project No. –</b> CNP/4937/2019-20</p>	<p><b>Executive Summary:</b></p> <p>The present scientific study is regarding the investigation of the existing stability condition of Deulbera, Handidhua, Talcher and Nandira colliery of Talcher area, MCL excluding the C, D, E, F zone of Handidhua mine. The study started with several visits to the mine sites and also visits to underground mines were made wherever feasible. Data and mine plans were collected. Based on the data, mine plans, discussions were made with mine management. Analysis were conducted for evaluating the stability of old, abandoned and existing underground workings. Both empirical and numerical simulation approach were used for determining the stability of underground workings with and without backfilling. Accordingly, advice was given to stabilize the unstable areas.</p>
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