

<p>Project Title:</p> <p>Advice on sand and coarse aggregate/murum samples regarding mining project of Banda (UP).</p>	<p>Executive Summary:</p> <p>Environment Research and Analysis, Lucknow collected the five samples of Sand/Murum from the riverbed of Ken River at Bilharka, Tehsil- Naraini, District- Banda (U.P) and send to CSIR-CIMFR, Dhanbad to evaluate the commercial viability of the mineral for its use as building material.</p>
<p>Project No.: CNP/4842/19-20</p>	<p>All the 5 representative samples provided by the firm were tested in the laboratory, which are collected by Environment Research and Analysis, Lucknow. Observations, which are based on Grain Size Analysis of these samples, are particle size are not uniform, it varies from more than 50 mm to less than 0.075 mm. Also particle size of sand (coarse sand, medium sand and fine sand) are not uniform. It was concluded that the sand/murum supplied by the firm cannot be used directly as a building/construction material. Crushing and screening is needed before use. Percentage of fine aggregates varies from 27.77 to 65.90 while percentage of gravels varies from 31.15 to 69.15. Percentage of Coarse Aggregates varies from 20.83 to 37.55 and percentage of silt and clay varies from 0.27 to 3.07.</p>

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