

ECONOMIC MINERAL RESOURCES IN QUATERNARY SEDIMENTS OF TEHRAN

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The Tehran plain in general are of alluvial fan accumulation. The Quaternary of Tehran plain is composed of up to 1100 m of sediments belong to four lithostratigraphic units. They contain both non metallic resources. Non metallics resources of Quaternary strata include construction aggregates for the residential, industrial and transportation segments of the population, ceramic clays and laterites.

Much of the groundwater essential to agriculture and human existence emanates from aquifers in Quaternary sediments of Tehran plain.

According to our surveys and data, annually water consumption of Tehran city is about 700 million m³ which 20.8% of it discharges from Quaternary deposited sediments.