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M. MOHAPATRA,** S. K. VISHNU PRIYA.** STAGES AND FORMATION
CONDITIONS OF PRODUCTIVE MINERAL ASSOCIATIONS OF THE
DALNEGORSKOE BOROSILICATE DEPOSIT (THE SIKHOTE-ALIN, RUSSIA)

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Special investigation of fluid inclusions, geochemical and isotopic study of their typomorphic features have been carried out for danburite and datolite from skarn associations of Dalnegorskoe borosilicate deposit. Results of these detail investigations: the microelement composition and formation conditions of danburite from Levoberezhnyi (Left Bank) quarry, and for datolite from Zapadnyi (Western) quarry confirm the belonging of these minerals to different stages of the deposit formation, stages with contrast difference in regimes of the mineral formation.

Key words: Dalnegorsky district, the Sikhote-Alin, borosilicate deposit, stages of skarn formation, danburite, datolite.