

**A NOTE ON THE OCCURRENCE OF S-TYPE GRANITE IN MANAI-PYRDA
SECTOR ALONG NORTH - WESTERN MARGIN OF SHILLONG BASIN,
WEST KHASI HILLS DISTRICT, MEGHALAYA.**

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Abstract

An elongated body of pink, hypidiomorphic granitoid is exposed within the gneissic complex in northwest margin of Shillong Basin in Meghalaya. These granites are high in silica (70.9-77.1%), while K₂O (4.41 to 5.51%) Na₂O (3.45 to 4.96%), Al₂O₃ (12.36 and 16.11%) and CaO (0.33 to 0.66%) show restricted variation. Further, they are characterized by low content of Rb (119-239 ppm), Ba (10-945 ppm) and Sr (<10-29 ppm). These granites belong to granite-ademellite series and are S- type, peraluminous in nature, which is corroborated by the presence of normative corundum. These granites show strongly differentiated character, which is further supported by high differentiation index.

Keywords: S-type granite, Manai-Pyrda area, Meghalaya.