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Solid Earth Discussions

Interactive comment on "Relative chronology in high-grade crystalline terrain of the Eastern Ghats, India: new insights" *by* S. Bhattacharya et al.

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Revised according to reviewer's suggestions.1. completely reorganized with sections as Introduction, Geological background, Charnockite-khondalite relation and Discussion. 2. Lithological make-up and distribution in the Eastern Ghats Belt are given in text and additional figure 1. 3. Deformation structures and fabric developments: the overall pattern are briefly described, indicating compressional orogeny, particularly related to first generation folding with appropriate references.4. New data and illustratiions given in section on Charnockite-khondalite relation. 5. Regional problem highlighted in Geological background, including field relations, fabric development, P-T-t paths and available geochronological information. Also, P-T-t paths and interpretations, their implications and unresolved problems discussed. 6. New proposal focuses on one out-

standing problem, namely, charnockite-khondalite relation. 7. Two subsections in Discussion, namely, field relations and fabrics in different rocks and Geochronology are incorporated. 8.. Implications of the new data, in terms of field relations and petrological and isotopic data are discussed. 9. Field photographs: rock types and fabrics marked. 10. Except, a new figure illustrating tectono-metamorphic evolution of high-grade crystalline terrains, all other suggestions are taken care of. However, I think this is amply described in the section on Geological background: Magmatic underplating versus Crustal shortening, the two models taht are commonly considered for tectono-metamorphic evolution of high-grade crystalline terrains.

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