



**PEER REVIEW COMMENTS/SUGGESTIONS AND CORRECTIONS FOR
GEOLOGICAL REPORT ON RECONNAISSANCE SURVEY (G4) FOR GOLD IN
BARGUR BLOCK, BARGUR BELT OF KOLAR SCHIST BELT,
KRISHNAGIRI DISTRICT, STATE TAMIL NADU**

Geological report peer reviewed by Shri K. Shashidharan, DDG, (Retd.), Geological Survey of India
Observations/suggestions received from peer reviewer through Email dated 19.11.2025.
Peer review comments/suggestions have been attended and incorporated in the Geological Report.

S.No.	Comments/Suggestions	Compliance
1.	The para on mineralisation (7.9.0) should cover systematic description covering surface manifestation, mode of occurrence & nature of mineralisation, ore and gangue mineralogy with visual estimates of sulphide, controls, alteration characteristics etc.	Attended.
2.	The bedrock analysis shows elevated values for copper in >50 out of the 200 samples ranging from >200-1700 ppm. Elevated Zn values also are noticed in 4 samples (>200-1900ppm). Higher Cu values are also indicated in NGCM data. These values should not be ignored and may be properly evaluated. Similarly elevated Pd values in 2 chert and 3 amphibolite samples are also important. Ti values in the range of 1% are common in amphibolite rocks and has no significance for mineralisation as such, except indicating a Fe-Te enriched basaltic protolith pointing to a specific tectonic setting, that has undergone high grade metamorphism.	Attended
3.	As regard to Quality and adequacy of topographic control in Chapter 11, parameters, such as accuracy survey control system, topo data set used, resolution and accuracy parameters etc. may be discussed.	Attended. DEM was generated from ASTER data. Survey of Boreholes have been carried out by DGPS (Trimble GNSS-Model DA-2 Catalyst). The base stations used from the Survey of India CORS (Continuously operating Reference Station) network named 'HARU' & 'NATR' through online GNSS Post processing method. Accuracy parameters incorporated in the Report.

S.No.	Comments/Suggestions	Compliance
4.	Types of CRM used (high, medium, low grade) frequency of insertion and results there on, nature of blanks used and frequency of insertion, drill core check analysis and their reliability factors etc. may be mentioned.	Attended. For Gold analysis, NIST traceable liquid CRMs were used for instrument calibration to ensure accurate response across the full analytical range. Additionally, a solid geological CRM (BND 3401.01) was inserted after every five routine samples to verify digestion efficiency, matrix effects, and overall analytical accuracy. Method blanks (acid/matrix blanks) were also included at a frequency of one per five samples to monitor any contamination or carry-over. All CRM and blank results were within acceptable limits, confirming the reliability and validity of the reported data.
5.	Annexures IIA, IIB, IIC, IIIC, IIIA, IIIB, IVA, IVB, VA, VB and VI are not attached in the present report.	Attended.
6.	Geotechnical parameters of the drill cores such as RQD may be discussed.	Attended
7	The Bargur block is located at the southern tip of the Kolar schist belt and is having structurally complex record. Considering the patchy magnetic and discrete IP chargeability anomalies, sulphide-magnetite pods appear possible rather than a linear zone. In all probability the area is likely to host steep plunging pipe like gold bearing sulphide ore shoots confined to fold (F2) hinges with limited lateral extend. 3D inversion of IP-magnetic data with depth slicing, computations of magnetic derivatives might give clue to the model aided by detailed field structural data.	Noted. No clear linear or continuous trends are observed in magnetic or IP-Resistivity data. Anomalies are patchy, discrete, and lensoidal with poor continuity. Magnetic highs and IP responses occur as isolated sulphide-magnetite pods, not a continuous zone. Due to this discontinuity, 3D inversion model would be unstable and speculative.
8.	Too much repetition is noticed at many places. Care may be taken to make the report crisp and to the point.	Attended
9.	The comments marked in the Text, Annexures and Plates may be fully attended.	Attended