

APPENDIX I

GEOGRAPHICAL

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R.E., Surveyor-General of India.]

MEMORANDUM ON THE COMPILATION OF CAPTAIN DEASY'S MAP, 1896 (*Revised*).

Latitudes.

The Observed Latitudes have been accepted and used throughout.

Longitudes.

Camp 1. Lat. $34^{\circ} 23' 23''$, long. $79^{\circ} 34' 28''$. The longitude was computed in terms of Peak E. 31 (identical with G. T. Tartary No. 1 Peak, *vide* Synoptical Volume VII.), and from it the longitudes of S. P. 9 and S. P. 6 were computed by means of Captain Deasy's traverse to the Lanak La.

Camp 3. Lat. $34^{\circ} 27' 3''$, long. $79^{\circ} 58' 25''$. The longitude was first computed in terms of S. P. 11, 12, and 18, which were believed to be identical with the G. T. points Mangtza Lake Nos. 3, 2, and 1, but the three resulting values were $79^{\circ} 56' 1''$, $79^{\circ} 57' 27''$ and $79^{\circ} 58' 47''$. The longitude of S. P. 9 was now worked out through the triangle to S. P. 9, using each of these values. That deduced, using the value from S. P. 18, agreed within $6''$ with the value of S. P. 9 brought up from Camp 1, through traverse and triangulation. The value of S. P. 6 similarly worked agreed fairly well. This was taken to prove the identity of S. P. 18 with G. T. Peak Mangtza Lake No. 1, and the corresponding value of Camp 3 was accepted.

All the G. T. points here referred to have been fixed by only two rays, so their G. T. values cannot be considered absolutely reliable.

Camp 11. Lat. $34^{\circ} 35' 17''$, long. $81^{\circ} 9' 22''$. The longitude of this camp was computed through S. P. 6, which is fixed by triangles from