

Archibald Coustables Esq

with kind remembrances from

de Boursal

W. S. Club - Calcutta on 21st February 1898

ROUTES
IN
JAMMU AND KASHMIR.

ROUTES
IN
JAMMU AND KASHMIR

ARRANGED TOPOGRAPHICALLY WITH DESCRIPTIONS OF
ROUTES; DISTANCES BY STAGES; AND
INFORMATION AS TO SUPPLIES
AND TRANSPORT.

COMPILED FROM THE MOST RECENT SOURCES BY
MAJOR-GENERAL LE MARQUIS DE BOURBEL,
R.E., RETIRED,
LATE CHIEF ENGINEER OF THE JAMMU AND KASHMIR STATE.



WILLIAM
THACKER, SPINK AND CO.

Calcutta:
THACKER, SPINK AND CO.

1897.

CALCUTTA
PRINTED BY THACKER, SPINK AND CO.

DEDICATED

BY PERMISSION

TO

MAJOR-GENERAL HIS HIGHNESS THE MAHARAJA

SIR PRATAP SINGH, G.C.S.I.,

INDAR MAHINDAR BAHADUR, SIPAR-I-SULTANAT,

MAHARAJA OF JAMMU AND KASHMIR.

PREFACE.

THE Routes in this book are mainly compiled from the books of various authors and travellers, who have published a description and map of their journeys in or through Jammu and Kashmir. Some are taken from Lieutenant-Colonel Montgomerie's, R.E., Route book and map, and from his survey map of this country ; others are the result of my own notes when making a reconnaissance of the country for a railway to connect the Punjab with Kashmir, while the rest are collected from the information given to me at various times by traders and hunters of the country.

The notes taken during my own journeys in Jammu and Kashmir have enabled me to revise the length of the marches on some of the routes previously published, and to describe the general character of the route, whether at present fit for man on foot or horseback, or fit for laden animals, &c. The knowledge of the country acquired during a residence of 10 years has enabled me to give fairly accurate data regarding the prospect of shelter, supplies, grass, fuel, water and means of transport at each stage on many routes.

My object has been to present in a tabular and condensed form such information as may give to the traveller some idea of what lies before him, may afford him some help in his movements and may enable him to make timely arrangements to prevent detention on the march.

In the margin and foot-notes, the chief points of interest likely to attract the traveller are briefly alluded to, leaving him to form his own opinion of what he may choose to see.

All the routes in this book have been arranged into five groups, each radiating from a centre or capital of a province. Jammu, Poonch, Srinagar, Gilgit and Leh are the capitals of some chief provinces in the dominions of His Highness the Maharaja of Jammu and Kashmir, and have been selected as the most convenient centres, from which each set of routes radiate in a complete circle, extending generally to the North-Western Railway on the south, to Hazara, Kaghan and Chitral on the west, to Central Asia on the north, and to Chinese Thibet and Simla on the east. The Capitals of other provinces such as Baltistan, Zanskar, Badrawar, Ramnagar have not been taken as centres, as they are served by the other radiating routes.

This arrangement involves the recasting of the old published routes with different termini and some repetition of the parts of various routes, in order that each new route may be separate and complete. Though this adds to the bulk of the work, it will save to the traveller the trouble of making frequent reference to other parts of the same book and thus save his time, when on a journey.

Some portions of the old routes have become altered in time, through the action of glaciers, the shifting and erosion of rivers, landslips or other natural causes. Some routes have been newly constructed under the orders of H. H. the Maharaja of Jammu and Kashmir, and many local variations have taken place through gradual improvements. The names of some places have also changed. My endeavour has been to collect the most recent information available on these points for the revision of the old routes.

This book must be looked upon in the main as a selection and compilation from the works and maps of which a list is given ; from these this book takes its source, and my best acknowledgments are due to their several authors. In attempting a revision with the aid of later knowledge, many oversights or errors may have crept in, but on the whole, it is hoped, that this work may prove to be of some practical use to the public. A list of the Routes will be found at the beginning and an Index at the end of this book to facilitate reference.

The best maps for a traveller in Jammu and Kashmir are the one-inch two miles Map of Jammu and Kashmir published by the Surveyor-General of India and the Route Map of the Western Himalayas as published by the same office.

The existing rules in force as regards visitors to Kashmir should be procured from the office of the Resident in Kashmir at Srinagar or Sialkot.

The visitor to Jammu and Kashmir will find the six months, 15th May to 15th November inclusive, the best for travelling, while the last three months, 15th August to 15th November, are usually dry weather. There are shops in Srinagar, where he can purchase or hire a sufficient outfit of tents, stores, servants, &c., for a short journey, though, if not pressed for time, he had better collect at his leisure and bring such articles with him for a long journey.

As a rule the intending traveller will find it convenient to hire at his starting point at least one-half of the requisite transport for his through journey. Ponies and mules, with one man for every two animals, are procurable at every large market town. About 10 to 20 coolies are usually to be had at every intermediate stage, though there may be difficulty in getting these at times of religious and other festivals, of sowing and reaping crops. When travelling in Thibet and Central Asia, through transport for the entire baggage is essential.

DE BOURBEL.

GUPCUR, SRINAGAR, }
Kashmir, 1897. }

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ABBREVIATIONS.

D. B.—Dâk Bungalow with servants and board.

B.—Road Bungalow, rest-house or *baradari* without servant or board.

F. B.—Forest Bungalow.

C.—Caravan Serai for Native traveller.

E.—Encamping ground.

P. O.—Post Office.

T. O.—Telegraph Office.

S.—Supplies or *russud* for an ordinary party of travellers.

G.—Grass or grazing for transport animals.

F.—Firewood or other fuel.

W.—Water for drinking, &c.

M. P.—Mountain Pass.

L.—Lake.

T.—Transport coolies, ponies, mules or yâks, &c., for an ordinary party of travellers.

H.—Hot spring.

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„	Sarikal	...	Sarikol.
„	for Kela	...	Forbela to.

ROUTES
IN
JAMMU AND KASHMIR.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE		TOTAL.							
		m.	f.	m.	f.						

I JAMMU to AMRITSAR by PAKOI OORF, DEHRA BABA NANUK—

	Jammu <i>P. O., T. O., D. B., C.</i>	...	...	0	...	Country undulating, rough cart-road.	Across Tawi drainage.	..... Tawi bridge. Balal ford.	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of the Jammu State. Tawi Station on Branch Railway.
1	Bishenath	...	11	...	11	...	Country flat, rough cart-road.	..... ..... Aik ford.	.....	S. G. F. and W. procurable, T. nil.	Village.
2	Saidgurh	...	11	...	22	...	..... Track across flat country.	Across Ravi drainage.	.....	Ditto	Ditto.
3	Zufurwal <i>P. O.—</i>	...	8	4	30	4	Country low and subject to inundation during rains, nullahs then difficult.	.....	.....	S. G. F. procurable, W. plentiful, T. available.	Large village.
4	Dhamtal <i>D. B., E. good.—</i>	...	6	...	36	4	.....	.....	.....	Ditto	Ditto.
5	Dodi	...	14	4	51	...	.....	.....	.....	S. after notice, T. ni	.....
					55	...	Road very heavy near river.	.....	Ravi ferry.		

6	Pakoi or Dehra Nanuk <i>P. O., E. nil.—</i>	...	6	...	57	...	Road sandy	.....	.....	.....	S. G. F. and W. abundant, T. available.	Large town.
					64	...	.....	.....	Kiran bridged			
7	Fategarh <i>P. O., E. nil.—</i>	...	12	...	69	...	Road good	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Town.
8	Amritsar <i>P.O., T.O., Hotel, E.—</i>	...	15	...	84	..	.....	.....	.....	.....	S. G. F. and W. abundant, T. ample.	City and junction station on N.-W. Railway.

1a PAKOI OORF, DEHRA BABA NANUK to JALANDHAR by BATALA—

6	Pakoi or Dehra Nanuk <i>P. O., E. nil.—</i>	...	...	...	57	...	Country level but low and subject to inundation during rains, road rather heavy.	Across Ravi drainage.	.....	.....	S. G. F. and W. abundant, T. available.	Large town.
					71	...	.....	.....	Baree Doab canal bridged.			
					72	...	.....	.....	Ravi canal bridged.			
7	Batala <i>P. O., T. O., D. B., E. good.—</i>	...	20	...	77	...	.....	.....	.....	.....	Ditto	Large town and Station on Branch Railway.
					83	...	.....	.....	Kusoor branch canal bridged.			
8	Mehtah	...	10	6	87	6	.....	Across Beas drainage.	.....	.....	S. after notice, T. nil.	Village.
					92	...	.....	.....	Sobraon branch canal bridged.	.....	.....	East bank Beas Station on N.-W. Railway.
	<i>Wazirghat</i>	...	...	...	97	...	.....	.....	Beas bridge of boats and ferry in rains.	.....	.....
9	Girana <i>E. good.—</i>	...	15	4	103	2	Grand Trunk Road	.....	.....	.....	S. after notice, T. procurable.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
1a	<i>ROUTE—contd.</i> ...	15	4	103	2	.....	Across Beas drainage.	.....	.....	.....
				105	...	.....	.....	Veyn' bridged	.....	.....
	<i>Hamira</i> ...	...	...	108	...	.....	.....	.....	.....	.....
10	Kartarpur ... <i>P. O., T. O., E. good.</i>	8	4	111	6	.....	.....	.....	.....	S. G. F. and W. plentiful, T. available	Railway Station on N.-W. main line.
11	Jalandhar ... <i>P. O., T. O., D. B., C., E. good.—</i>	13	...	124	6	.....	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station and City, also two Railway Stations on N.-W. main line.

From Hamira, 108 miles on G. T. Road, there is a cart-road 8 miles in length to Kapurthala.

From Kartarpur, 111 m. 6 f. on G. T. Road, there is a metalled road, 9 miles long to Kapurthala, the capital of the Kapurthala State—crossing the N.-W. Railway at the end of the first mile.

II JAMMU to AMRITSAR by SIALKOT—

Jammu ... <i>P. O., T. O., D. B. C.</i>	...	...	0	...	Metalled road	Across Chenab drainage.	.....	1200	S. G. F. and W. abundant, T. ample	Large town and capital of Jammu State, Tawi Station on branch railway.
			1	4	.....	.....	Tawi bridge.			
			6	.....	.....	.....	Balal ford.			

1	Runbir Singhpur <i>P. O., T. O.—</i>	14	...	14	...	.....	.....	.....	898	S. and W. scarce, T. nil.	Railway Station on branch line.	5
2	Sialkot ... <i>P. O., T. O., D. B., C., E. good.—</i>	13	...	27	...	Country level, open and cultivated, rough cart-road, nullahs difficult during rains.	.....	Aik bridged.	829	S. G. F. and W. plentiful, T. ample.	Ditto, Large Cantonment, Civil Station and City.	
3	Bhuddeana ... <i>E. good.—</i>	11	...	38	...	.....	.....	.....	.....	S. after notice, W. plentiful, T. nil.	Village.	
4	Pasrur ... <i>E. good.—</i>	8	4	46	4	.....	Across Ravi drainage.	.....	.....	Ditto	Village, pass Navadi 1½ miles, Murdana 6½ miles.	
				55	...	.....	.....	Degh ford.	.....	.....	.....
5	Dodha or Thaleh <i>E. good.—</i>	13	...	59	4	Country flooded during rains, road fair.	.....	.....	.....	Ditto	Village.	
6	Reyah ... <i>B., E. good.—</i>	8	...	67	4	.....	.....	.....	.....	Ditto	Village, pass Amkra, 4½ miles, Thurpal 7 miles.	
				72	...	.....	.....	Ravi ferry.	.....	.....	.....
7	Ajnala ... <i>E. good.—</i>	9	6	77	2	Country open, level, cultivated, nullahs bridged, road fair, through low ground.	.....	Baree Doab and Husli canals both bridged.	.....	S. after notice, W. from wells, T. nil.	Ditto.	
				75	6	.....	.....	.....	.....	.....	.....
8	Raja Sansee ...	8	4	85	6	.....	.....	.....	.....	S. must be collected, W. plentiful, T. nil.	Ditto.	
9	Amritsur ... <i>P.O., T.O., Hotel, C., E</i>	7	4	93	2	.....	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Small Cantonment, Civil Station and City, also Junction Station on N.-W. Railway.	

Branch Railway hence *viâ* Batala 24 miles, Gurdaspur 44 miles, to Pathankot 67 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.	m.	f.				

III JAMMU to LAHORE and MIAN MIR by EMINABAD—

	Jammu ... <i>P. O., T. O., D. B., C.</i>	...	...	0	...	Metalled road	Across Chenab drainage.	.....	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State, Railway Station on left bank Tawi river.
				1	4	.....	.....	Tawi bridge.			
				6	...	.....	.....	Balal ford.			
1	Runbir Singhpur <i>P. O., T. O.—</i>	14	...	14	...	.....	.....	.....	898	S. and W. scarce, T. nil.	Railway Station on branch line.
	Sialkot ... <i>P. O., T. O., D. B., C., E. good.—</i>	13	...	27	...	Country level, open and well cultivated, cart-road fairly good but very swampy in rains, nullahs bridged.	.....	.....	829	S. G. F. and W. plentiful, T. ample.	Cantonment, Civil Station and Railway Station on branch line.
				31	4			Aik bridge,			
3	Bhalowala ... <i>E. good.—</i>	12	4	39	4	.....	.....	.....	.. ..	S. after notice, W. plentiful, T. nil.	Village.
4	Dharmkot ... <i>E. good.—</i>	13	5	53	1	.....	.....	.....	.....	S. after notice, W. plentiful, T. nil.	Village, cross road to Gujranwala 11 miles.
5	Eminabad ... <i>P. O., D. B., E. good.</i>	13	2	66	3	.....	Across Ravi drainage.	.....	.....	S. after notice, W. from wells, T. available.	Small town.

6	Kamoke ... <i>P.O., T.O., E. good.—</i>	5	..	71	3	Grand Trunk Road.	.....	.. ...	.....	Ditto, T. nil.	Village and Station on N.-W. Railway.	7
7	Muridki ... <i>P.O., T.O., E. good.—</i>	12	3	83	6	.....	.....	.. ..	.....	Ditto	Ditto.	
8	Shahdera ... <i>P.O., T.O., E. good.—</i>	13	..	96 97	6 6	..... .....	..... .....	..... Ravi railway bridge and ferry.	.....	Ditto	Ditto.	
9	Lahore ... <i>P. O., T. O., Hotels, C.</i>	2	5	99 102	3 3	..... .....	..... .. ..	..... Canal bridge	.....	S. G. F. and W abundant, T. ample.	Capital of Punjab, Civil Station, large city, and ditto.	
10	Mian Mir ... <i>P. O., T. O., D. B., C., E. good.—</i>	6	..	105	3	.....	.....	.....	.....	Ditto	Large Military Cantonment and ditto.	

IV JAMMU to GUJRANWALA by SIALKOT—

	Jammu ... <i>P. O., T. O., D. B., C.</i>	..	...	0	...	Metalled road	Across Chenab drainage.	.....	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State, Railway Station on left bank Tawi river.	
				1	4	.....	.....	Tawi bridge.				
				6	...	.....	.....	Balal ford.				
1	Runbir Singhpur ... <i>P. O., T. O.—</i>	14	...	14	...	.....	.....	.....	898	S. and W. scarce, T. nil.	Railway Station on branch line.	
2	Sialkot ... <i>P. O., T. O., D. B., C., E. good.—</i>	13	...	27	...	Country level, open, well cultivated, road raised and fairly good.	.....	.....	829	S. G. F. and W. abundant, T. ample.	Cantonment. Civil Station, City and ditto.	
				31	4	Aik bridge.				
3	Ghuenki ... <i>E. good.—</i>	9	4	36	4	S. after notice, W. from wells, T. nil.	Small village.	

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		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
IV	<i>ROUTE—contd.</i> ...	9	4	36	4	Across Chenab drainage.				
4	Duska ... <i>E. tolerable.—</i>	9	4	46	...	Road heavy after much rain.	S. G. F. and W. plentiful, T. available.	Village.
5	Gujranwala ... <i>P. O., T. O., D. B., E. good.—</i>	16	2	62	2	S. G. F. and W. abundant, T. ample.	Small Civil Station and town on the G. T. Road, also Station N.-W. Ry.

V JAMMU to WUZIRABAD by SIALKOT—

	Jammu ... <i>P. O., T. O., D. B., C.</i>	...	...	0	...	Metalled road	Down Chenab drainage.	.....	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State, Railway Station left bank Tawi river.
				1	4	.. ..	.....	Tawi bridge.			
				6	...	.....	.....	Balal ford.			
1	Runbir Singhpur ... <i>P. O., T. O.—</i>	14	...	14	...	.....	.....	.....	898	S. and W. scarce, T. nil.	Railway Station on branch line.
2	Sialkot ... <i>P. O., T. O., D. B., C., E. good.—</i>	13	...	27	...	.....	.....	.....	829	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station and City also Station on branch line.

3	Samurhial ... <i>D. B., E. fair.—</i>	13	6	40	Country low and flooded during rains.	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Village track hence to Duska 10 miles.
4	Wuzirabad ... <i>D. B., C., E. good.—</i>	13	4	54	2	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Town and Junction on N.-W. Railway.

Branch Railway 51 miles in length runs parallel to this road with a station at every stage.

VI JAMMU to PIND-DADUN KHAN by GUJRAT—

	Jammu ... <i>P. O., T. O., D. B., C.</i>	...	...	0	...	Metalled road	Across Chenab drainage.	.....	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State, town on right bank Tawi river, Railway Station on left bank Tawi river.
				1	4	.....	.....	Tawi bridge.			
				6	..	.....	.....	Balal ford.			
1	Runbir Singhpur ... <i>P. O., T. O.—</i>	14	...	14	...	.....	.....	.....	898	S. and W. scarce, T. nil.	Small bazar and station on Branch Railway.
2	Sialkot ... <i>P. O., T. O., D. B., C., E. good.—</i>	13	...	27	..	Country flat and cultivated, road very fair.	.....	.....	829.	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station, City and Railway Station on branch line.
3	Kulowal ... <i>E. fair.—</i>	10	3	37	3	.....	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Village.
				40	...	Road difficult over heavy sand on both banks of river.	.....	Chenab bridge of boats and ferry.			
4	Muhutah ...	4	...	41	3	.....	.....	.....	.....	S. G. F. and W. procurable, T. nil.	
5	Gujrat ... <i>P. O., T. O., D. B., C., E. on G.T. road.</i>	12	...	53	3	Road very fair	.....	.....	.....	S. G. F. and W. plentiful, T. ample.	Small Civil Station, City and Railway Station on N.-W. main line.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
VI	<i>ROUTE—contd.</i> ..	12	...	53	3	Across Chenab drainage.				
6	Dulanwala ...	10	...	63	3	.....	.....	.....	S. after notice, T. nil.	Village.
7	Dinguh ... <i>P. O., T. O., D. B.—</i>	12	5	76	...	.....	Across Jhelum drainage.	.....	S. G. F. and W. plentiful, T. ample.	Small town and bazar, also Station on branch line.
8	Moong ...	13	...	89	...	Rough cart road ...	.....	.....	S. G. F. after notice, W. procurable, T. nil.	Village.
9	Majee ...	9	...	98	...	.....	.....	.....	Ditto ...	Ditto.
10	Malukwal ... <i>P. O., T. O.—</i>	10	...	108	...	.....	.....	693	Ditto ...	Ditto, and Station on branch line.
11	Miani ... <i>B—</i>	9	...	117	...	.....	.....	.....	.....	.....
12	Pind-Dadun Khan ... <i>P.O., T.O., D.B., C, E.</i>	7	5	121	Jhelum bridge of boats and ferry.	731	S. G. F and W. plentiful, T. available	Town near Salt Mines with large trade, Station on branch line.

From Jammu, branch rail to Wuzirabad 51 miles, N.-W. main line to Lala Musa 20 miles, branch rail to Pind-Dadun Khan 57 miles. Total by railway 128 miles—crossing Jhelum river by Nizam-chuk bridge.

From Muhutah 8 miles to Julalpur and 9 miles to Gujrat. Total 17 miles good road. Muhutah and Nowshera on right bank of Chenab have been washed away by recent high floods.

The Rock Salt Mines at Khewra are 9 miles distant by road from Pind-Dadun Khan. There is also a branch line from Malukwal over the Jhelum railway bridge at Chuk Nizam to Harampur 6 miles, and thence to Pind-Dadun Khan 6 miles, also another branch from Harampur to Khewra, 9 miles.

VIa GUJRAT to PIND-DADUN KHAN by PHALIAN—

5	Gujrat ... <i>P. O., T. O., D. B., C., E. on G. T. road.— Koonjah</i> ...	...	...	53	3	Fair road ...	Down Chenab drainage.	.....	.....	S. G. F. and W. abundant, T. ample.	Small Civil Station, City and Railway station on N.-W. main line.
6	Mughowal ... <i>E.—</i>	12	5	66	...	Rough cart road...	.....	.. ...	.....	S. after notice, W. plentiful, T. nil.	Village.
7	Pariwala ... <i>E.—</i>	9	...	75	...	.....	.....	.....	.....	Ditto.	Ditto.
8	Phalian ... <i>P. O., B., E—</i>	13	4	88	4	Good cart road ...	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Large vilage.
9	Kothiala Shekhan ... <i>E.—</i>	11	4	100	...	.....	AcrossJhelum drainage.	.....	.....	S. after notice, W. plentiful, T. nil.	Village.
10	Miani ... <i>B.—</i>	20	...	120	...	.....	.....	.....	.....	S. G. F. W. T. plentiful.	Ditto.
11	Pind-Dadun Khan ... <i>P. O., T. O., D. B., C., E.—</i>	7	5	127	5	.....	.....	Jhelum boat bridge and ferry.	731	S. G. F. and W. plentiful, T. available.	Town near Salt Mines with large trade, Station on Branch Railway.

VII JAMMU to JHELUM by DAULAT NAGAR—

1	Jammu ... <i>P. O., T. O., D. B., C.</i>	...	...	0	...	Country open and cultivated, rough track over low ground, on right bank Chenab river.	Across Chenab drainage.	.....	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State.
	Gujansu ...	11	...	11	S. must be collected, G. and W. plentiful, T. nil.	Village on left bank Chenab river.

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		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
VII	<i>ROUTE—contd.</i>	11	...	11	Across Chenab drainage.				
2	Amirpur	12	...	21	...	Rough cart-road	Chenab ferry and 5 offshoots			
				23	...	.....	.....	Tawi ford.	S. scarce, G. and W. plentiful, T. nil.	Village on right bank Chenab offshoot.
3	Minawur <i>P. O., B., E.—</i>	7	...	30	..	.....	.....	.....	S. procurable, G. and W. plentiful, T. available.	Small town.
	<i>Mutianwala</i>	...	...	32	...	Fair road from mile 32.	.....	.....	
4	Kureeanwala <i>P. O., E. good.—</i>	10	...	40	...	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Large village.
				52	...	.....	.....	Bhundur ford.		
5	Daulatnagar <i>P. O., D. B.—</i>	12	4	52	4	Good road, but very sandy in crossing river beds.	1029	S. G. F. and W. procurable, T. nil.	Ditto.
				60	...	.....	.....	Bhimber ford.		
6	Kharian Serai <i>P. O., T. O., D. B., C., E. good.—</i>	14	4	67	...	Join the Grand Trunk Road.	S. G. F. and W. plentiful, T. available.	Large village and Station on N.-W. Railway.
				70	...	.....	Kharian Pass over Pabbi range.	.....		
7	Alumgir Serai <i>P. O., T. O., E. good.</i>	9	4	76	4	Across Jhelum drainage.	Ditto	Naurangabad village and Karyala Station on N.-W. Ry.
				78	4	.....	.....	Jhelum railway bridge.		

8	Jhelum <i>P. O., T. O., D. B., C. E. good.—</i>	4	4	81	Ditto	827	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station and City, also Railway Station on N.-W. main line.
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VIII JAMMU to JHELUM by BHIMBER—

	Jammu <i>P. O., T. O., D. B. C.</i>	0	Country open and well cultivated.	Across Chenab drainage.	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of the Jammu State.
1	Aknoor <i>P. O., F. B.—</i>	16	...	16	Rough cart-track, very sandy at river crossings.	.....	Chenab ferry	1142	S. G. F. and W. plentiful, T. available.	Small town, bazar and fort on right bank Chenab.
2	Amirpur <i>E.—</i>	16	...	32	.....	.....	.....	.....	S. scarce, G. and W. plentiful, T. nil.	Village.
				37	.....	.....	Tawi ford.			
3	Minawar <i>P. O., E.—</i>	7	...	39	.....	.....	.....	.....	S. procurable, G. and W. plentiful, T. available.	Small town and tehsil.
4	Barnali <i>E.—</i>	18	...	52	.....	Across Bhim- ber drainage.	.....	.....	S. scarce, G. and W. plentiful, T. nil.	Village.
				60	Bhundur ford			
5	Bringh <i>E.—</i>	12	...	64	S. scarce, G. and W. plentiful, T. nil.	Ditto.
				68	Bhimber ford			

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		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
VIII	<i>ROUTE—contd.</i>	68	...						
6	Bhimber ... <i>P. O., B., E.—</i> <i>Chunee Gotreala</i> ...	5	...	69	...	Country track ...	Across Bhimber drainage	1100	S. G. F. and W. plentiful, T. available	Small Town, head-quarters of district.
7	Besuh Khoord ... <i>Naurangabad</i> ...	16	...	85	S. scarce, G. and W. plentiful, T. nil.	Village.
8	Jhelum ... <i>P. O., T. O., D. B., C., E. good.—</i>	13	...	98	...	Join Grand Trunk Road.	Jhelum railway bridge.	827	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station and City, also Railway Station on N.-W. main line.

VIIIa BHIMBER to RAWUL PINDI by MIRPUR—

6	Bhimber ... <i>P. O., B., E.—</i> Sukasin ...	...	...	69	...	Country undulating and much cut up by ravines.	Across Bhimber drainage.	.....	1100	S. G. F. and W. plentiful, T. available.	Small Town and head-quarters of district.
		...	...	78	...	Track across drainage.	Ditto	Branch of Sukatar.	.....	
				80							

7	Selar	..	14	..	83	..	86	..	.....	Across Poonch ¹ drainage.	.....	Branch Sukatar.	..... of	.....	S. scarce and G. F. W. plentiful, T. nil.	Village.
8	Mirpur <i>P. O., B., E.—</i>	..	15	..	98	..	..	..	Fair hill road	.....	.....	.....	.....	1236	S. G. F. and W. plentiful, T. available	Town of some size, and large bazar.
9	Chaomukh <i>P. O., E.—</i>	..	10	..	108	..	..	..	Hill Track	Seasar Pass	Poonch Toi or Palasta ferry.	.....	.....	1202	S. G. F. and W. plentiful, T. available.	
10	Hil	..	10	..	118	..	..	..	.....	Across Jhelum drainage.	Jhelum ferry	.....	.....	.....	S. nil, W. from river, T. nil.	
11	Bewal <i>E.—</i>	..	13	..	131	..	..	..	Fair road over broken ground.	.....	.....	.....	.....	.....	S. after notice, G. and W. procurable, T. nil.	Village.
12	Kalar <i>E.—</i>	..	8	..	139	..	..	..	.....	.....	.....	.....	.....	1790	S. G. F. and W. plentiful, T. available.	Large place.
	<i>Manikiala</i>	..	..	..	149	..	..	..	.....	Across Sohan drainage.	.....	.....	.....	1916	.....	Ancient tope.
13	Rewat <i>P. O., T. O., B., E.—</i>	..	14	4	153	4	..	..	Grand Trunk Road	.....	.....	.....	.....	1871	S. scarce, W. scarce. T. nil	Village and Station on N.-W. Railway
14	Rawal Pindi <i>P. O., T. O., D. B., Hotels, C., E.—</i>	..	13	4	167	..	..	..	.....	.....	.....	.....	.....	1700	S. G. F. and W. abundant, T. ample.	Large Cantonment Civil Station and City, also Railway Station on N.-W. main line.

From Bhimber 69 miles, another track to Kalaris 87 miles and to Mirpur 100 miles.

From Sukasin 78 miles there is a track by Alibeg to Sukchaipur on left bank Jhelum river 88 miles, whence Jhelum City is distant 10 miles or 98 miles and Mirpur 15 miles or 103 miles from Jammu.

Between Chaomukh and Kalar there is an alternative route by the Darguli or Palalan ferry over the Jhelum river, Chaomukh, 108 miles; Samor, 118 miles; Palalan, 128 miles; Kalar, 141 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

IX JAMMU to RAWUL PINDI by KOTLI—

	Jammu <i>P. O., T. O., D. B.—</i>	...	...	0	...	Country open and cultivated, rough cart road.	Across Chenab valley.	.....	1200	S. G. F. W. and T. ample.	Large town and capital of Jammu state
1	Aknoor <i>P. O., F. B.—</i>	16	...	16	...	.....	.....	Chenab ferry	1142	S. G. F. W. plentiful, T. available.	Small town and bazar on right bank Chenab.
				26	...	Fair hill road used by troops in marching to Srinagar by Fir Punjal.	Ambi Pass.				
2	Choki Chowra <i>E.—</i>	13	4	29	4	.....	.....	Kurna Khad	2150	S. G. F. after notice, W. procurable, T. nil.	Halting place.
				34	...	.....	Kalidhar range.				
3	Thanda Pani <i>B., E.—</i>	12	4	42	...	.....	.....	Rud bridge and ford.	1460	S. scarce, W. plentiful, T. nil.	Village 1 mile distant.
4	Siot	10	...	52	...	Track across broken ground.	Up Tawi valley.	.....	.....	S. scarce, T. nil.	Village.
5	Naoshera <i>P. O., B., C.—</i>	12	...	64	...	.....	.....	Tawi ford	.....	S. G. F. W. plentiful, T. available.	Town and bazar 300ft. above right bank Tawi.
				77	...	Fair hill road fit for mules on a fine plain, well cultivated.	Makri-range	.....	3000		

6	Laroka	...	15	...	79	...	.....	Down Ban valley	.....	.....	S. scarce, T. nil.	
7	Koireta	...	10	...	89	...	.....	.....	.....	2500	S. G. F. precarious, W. from wells, T. available.	Village.
	<i>Dhunna</i>	...	...	...	97	...	.....	.....	.....	.....	.....	Ditto.
					100	...	.....	.....	Ban ford.	.....	.....
8	Kotli	...	16	...	105	...	.....	Across Poonch valley.	.....	2000	S. G. F. plentiful, W. from springs, T. available.	Town of 300 houses and bazar.
	<i>P. O., B., E.—</i>											
					106	...	Rough stony track, difficult for	.....	Poonch Toi or Palasta		.....
					114	...	mules.	.....	ferry.	3158	.....	Baolion Pass.
9	Sensar	...	13	...	118	...	.....	.....	.....	2320	S. G. F. W. T. procurable.	Village and thanna.
	<i>E.—</i>											
10	Salgraon	...	12	...	123	...	Steep ascent	Khaira gully.	.....	.....	S. G. F. scarce,	
					130	...	.....	Across Jhelum valley	Jhelum ferry	.....	W. plentiful, T. nil.	
11	Thoa	...	12	...	142	...	Fair track across broken ground.	.....	.....	.....	S.G.F.W. procurable, T. available.	Village.
	<i>E.—</i>											
	<i>Chinam</i>	...	...	...	147	...	.....	Down Sohan valley	.....	2208	.....
12	Rewat	...	15	4	157	4	Grand Trunk Road.	.....	.....	1871	S. G. F. W. scarce, T. nil.	Village and Station on N. W. Ry.
	<i>P. O., T. O., B., E.—</i>											
					166	...	.....	.....	Sohan bridge.		.....
13	Rawul Pindi	...	13	4	171	...	.....	.....	.....	1700	S. G. F. T. abundant. W. precarious.	Large Cantonment, Civil Station, City and Railway Sta- tion on N.W. main line. Water supply being added.
	<i>P.O., T.O., D.B. C., E.</i>											

Between Naoshera and Koireta, there is an alternative track by Dooral Pass and down the Ban valley by Seri—*viz.*, Naoshera 64 miles, Dooral 74, Seri 83, Koireta 88 miles, Kotli 104 miles.

From Sensar there is an alternative track by Owen ferry and Kahoota to Rawul Pindi—*viz.*, Sensar 118 miles, Owen ferry over Jhelum River 13g miles, Kahoota 147 miles, Siala 160 miles, Rawul Pindi 171 miles.

From Sensar there is a track 10 miles long to Samor falling into the route from Bhimber by Palalan ferry to Rawul Pindi.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSING AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						

IXa KOTLI to ABBOTTABAD by MURREE—

8	Kotli <i>P.O., B., E good —</i>	...	...	105	...	Rough stony hill track, difficult for mules.	Across Poonch valley.	.....	2000	S. G. F. plentiful, W. from springs, T. available.	Town and tehsil, large bazar.
				106	...	...	.....	Poonch To i or Palasta ferry.			
9	Sarsawa <i>E.—</i>	...	6	...	111	...	.....	.. ..	.....	S. G. F. after notice, W. procurable, T. nil.	Village.
10	Palandri <i>P. O., E.—</i>	...	16	...	127	...	.....	.. ..	4250	Ditto, T. available.	Fort and tehsil.
				128	...	.....	Palandri ridge				
				133	...	.....	Up Jhelum valley.	Goon ford.			
11	Mangh <i>E.—</i>	...	11	...	138	...	.....	.....	.....	Ditto, T. nil.	Village and fort.
12	Tain <i>E.—</i>	...	10	...	148	...	.....	.....	.....	Ditto ,,	Ditto.
	<i>Dhara</i>	...	...	...	152	...	.....	Jhelum ferry.			

13	Dhanda <i>E.—</i>	..	11	...	159	...	Fair hill track, passable for mules.	.....	.....	.....	Ditto "	Ditto.
14	Murree <i>P. O., T. O., Hotels C.</i>	...	13	...	172	...	Across hilly country, road fair for riding and mules.	Murree range	.....	7108	S. G. F. W. plentiful, T. ample.	Summer Canton- ment, Sanitarium and large bazar.
15	Nagri <i>B.—</i>	...	13	2	184	4	.....	Across Hurroo valley	Branch Hurroo ford.	.....	S. G. F. after notice, W. plentiful, T. nil.	Village.
	<i>Mari</i> <i>B.—</i>	...	...	...	188	6	.....	Mari ridge.	.....	.....	S. G. F. after notice, W. plentiful, T. nil.	Village.
16	Sajkot	...	10	...	190	2	Nullahs easy	Across Dohr valley.	.....	.....	S. G. F. after notice, W. plentiful, T. nil.	Village.
	Abbottabad <i>P. O., T. O., D. B., C. E.—</i>	...	16	4	211	6	.....	.....	Dohr ford.	.....	S. G. F. and W. plentiful, T. available.	Cantonment, Civil Station, town and bazar.

This is the lower road from Murree to Abbottabad. It leaves the main road from Murree towards Rawul Pindi at 4 miles 4 furlongs, descends by a steep zig-zag, crosses two branches of the Hurroo river with Gurini between and from Nagri Dhoondhan ascends easily in 3 miles 4 furlongs to Mari ridge, then descends and crosses the Hurroo river at 1 mile 4 furlongs beyond. From Sajkot it ascends a low ridge and descends down the Godawala nullah to the Dohr river, which it crosses between Rajoia and Hiveliyan.

From the Mari bungalow there is a direct road along the top of mountain spur to Chunglagully, distant about 7 miles, and passable for mules.

From Sajkot, a road ascends the ridge to Kalabagh on the upper road, distant about 10 miles.

From Sajkot, a road runs past Nara Police Station, 3 miles, southwards to Hurripur, distant about 25 miles.

For the upper road from Murree to Abbottabad by the gullies, see Route XXVII.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

X JAMMU to GILGIT by KOTLI and KISHENGUNGA VALLEY—

	Jammu ... <i>P. O., T.O., D. B.—</i>	...	...	0 ...	Country open and cultivated, rough cart-road.	Across Chenab valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Large Town and Capital of Jammu State.
1	Aknoor ... <i>P. O., F. B.—</i>	16 ...	...	16 ...	Fair hill road used by troops in marching to Srinagar <i>vid</i> Pir Punjal Pass.	..... Ambi range.	Chenab ferry	1142	S. G. F. and W. plentiful, T. available.	Small town and bazar on right bank of Chenab river.
2	Choki Chowra ... <i>E.—</i>	13 4	...	29 4	.....	.....	Kurna Khud	2150	S. G. F. after notice, W. procurable, T. nil.	
				34 ...	.....	Kalidhar range.				
	Thandapani ... <i>B., E.—</i>	12 4	...	42 ...	.....	.....	Rud bridge and ford.	1460	S. scarce, W. plentiful, T. nil.	Village 1 mile off.
4	Siot ...	10 ...	...	52 ...	Track across broken ground.	Up Tawi valley.	.....	...	S. scarce, T. nil.	Village.
5	Naoshera ... <i>P. O., B., C.—</i>	12 ...	...	64 ...	Fair hill road fit for mules on a fine plain, well cultivated.	..... Makri range	Tawi ford .....	..... 3000	S. G. F. and W. plentiful, T. available.	Town and bazar.

	Laroka	...	15	...	79	...	.....	Down Ban valley.	.....	.....	S. scarce, T. nil.	
7	Koireta	...	10	...	89	...	.....	.....	... ..	2500	S. precarious, W. from wells, T. available, W. scarce.	Village.
	<i>Dhanna</i>	...	...	...	97	...	.....	.....	Ban ford.			
					100	...	.....	.....	
8	Kotli <i>P. O., B., E.—</i>	...	16	...	105	...	Rough stony hill track, difficult for mules.	Across Poonch valley.	.....	2000	S. plentiful, W. from springs, T. available.	Village and town of 300 houses, bazar and tehsil.
					106	...		.....	Poonch T o i or Palasta ferry.			
9	Sarsawa <i>E.—</i>	...	6	..	111	...	.....	.....		.....	S. after notice, W. procurable, T. nil.	Village.
10	Palandri <i>P. O., E.—</i>	...	16	...	127	...	.....	.....	.....	4250	Ditto, T. available.	Fort and tehsil.
					128	...	.....	Palandri range	.....		
					133	...	.....	.....	Goon ford.			
11	Mangh <i>E.—</i>	...	11	...	138	...	.....	Up Jhelum valley.	.....	.....	Ditto, T. nil.	Village and ort.
12	Tain <i>E.—</i>	...	10	...	148	...	.....	.....	.....	.....	Ditto	Ditto.
					150	...	.....	.....	Mal or Bagh bridge.			
13	Khodar	...	9	...	157	...	.....	.....	Jhelum ferry	.....	S. from Jhanjhana, W. from river, T. nil.	Jhanjhana village.
14	Kohala <i>P. O., D. B.—</i>	...	12	...	169	...	.. ...	.....	.....	1915	S. G. F. and W. plentiful, T. after notice.	Small bazar, border of Kashmir.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
X	<i>ROUTE—contd.</i>	...	...	Kashmir metalled and bridged road.	Up Jhelum valley.	Agar bridge	2029		
	<i>Barsala B.—</i>	...	169 ...	.....	.....	.....	2105	S. scarce, F. and W. plentiful, T. nil.	Village.
15	Dulai <i>D. B.—</i>	12 ...	177 3	.....	.....	.....	2225	S. G. F. and W. procurable, T. after notice.	Village and bazar at junction of Kishengunga.
16	Dumel <i>P. O., T. O., D. B., E.—</i>	9 2	181 ...	.....	.....	Jhelum bridge	2470	.....	Town on left bank Kishengunga bazar, head-quarters of district.
	<i>Mozifferabad</i>	...	192 ...	.....	Up Kishengunga valley left bank.	.....	2750	S. W. F. G. plentiful, T. nil.	Village.
17	Nuraseri	12 6	203 ...	Hill track passable for laden mules, though difficult in parts, especially for 6 miles at Titwal, 7 miles near Doarian, 13 miles between Shardi and Khel and 21 miles over the Shontar Pass.	.....	.....	2900	S. W. F. G. plentiful, T. available.	
18	Punjgram	7 4	210 4		.....	.....	3425	Ditto, T. nil.	
19	Nowsada	9 ...	219 4		.....	.....	
	<i>Titwal E.—</i>	6 4	225 ...		.....	Karna.			
20	Titwal <i>E.—</i>	6 4	226 ...		.....	.....	3250	S. W. F. G. plentiful, T. available.	Village and tehsil.

21	Phalak	...	...	...	...	...	...	...	...	3550	S. W. G. F. plentiful, T. available.	Village.
22	Rampura	...	...	...	...	...	...	...	...	4050	Ditto, T. nil.	
	<i>Sakata</i>	...	...	242	4	...	...	...	...			Kisheunguga Jhula bridge.
23	Shahkot	...	...	244	...	...	...	...	...	4300	Ditto	Ditto.
24	Karen	...	...	252	...	...	...	...	...	4650	Ditto, T. available.	Ditto.
25	Doarian	...	...	259	...	...	...	...	...	5050	Ditto	Ditto.
26	Dudnial	...	...	266	...	...	...	...	...	5950	Ditto, T. nil.	
27	Khari gam or Shardi. <i>E.—</i>	...	...	275	...	...	...	...	...	5650	S. procurable, W. G. F. plentiful, T. available.	Village and fort.
28	Seri	...	...	282	...	...	...	...	...	6000	No supplies, W. G. F. plentiful, T. nil.	
29	Khel <i>E.—</i>	...	...	290	...	...	...	...	...	6250	S. scanty, ditto.	Village.
30	Dumel <i>E.—</i>	...	...	298	...	...	...	...	...	7300	S. nil,	"
31	Bala	...	...	306	...	...	...	...	...	10000	Ditto	Southern foot of Pass.
	<i>Chandbilli</i>	...	...	312	...	...	...	...	...	15000	Ditto	Northern foot of Pass.
		...	...	316	...	...	...	...	...	11700	Ditto	"
32	Shingardodar	...	...	318	...	...	...	...	...	10500		Dabin ford

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
X	<i>ROUTE—contd.</i> ...	12	...	318							
33	Mir Malik <i>E.—</i> ...	8	...	326	...	.....	.....	.....	9400	S. procurable, W. G. F. plentiful, T. nil.	Small village.
	<i>Rattu</i> ...	...	...	333	...	.....	.....	.....	8500	.....	Village.
34	Chugaon <i>E. confined.—</i> ...	10	4	336	4	.....	Down Astor valley left bank.	.....	8750	S. and G. scanty, W. and E. procurable, T. nil.	Ditto.
35	Gurikot <i>E. confined.—</i> ...	10	4	347	...	Join new 10ft. road from Srinagar by Gurais and Astor to Gilgit, fully bridged and of easy gradients.	.....	Astor bridge	7800	Ditto	Ditto.
36	Astor (Idgah) <i>P.O., T.O., B., E. Polo ground.—</i> ...	7	...	354	...		.....	.....	7800	S. and G. procurable, W. and F. plentiful, T. moderate.	Village, fort and bazar, bungalow will be built.
	<i>Harcho</i> ..	...	...	363	...						
37	Dashkin <i>E. confined.—</i> ...	15	...	369	...	.....	.....	.....	.....	Ditto, T. available.	Village.
38	Doian <i>R. B., E.—</i> ...	11	...	380		.....	.....	.....	.....	Ditto, T. nil.	Ditto.
39	Ramghat ...	10	4	390	4	.....	.....	Astor bridge	.....	S. G. F. nil, W. plentiful, T. nil.	Guard House.

40	Bawanji <i>P. O., T. O., B., E.—</i>	7	4	398	.....	Up Indus valley left bank.	.....	4635	S. and G. procurable, W. plentiful, F. scarce, T. available.	Village and bazar with fort.
41	Pertabpul <i>C., E.—</i>	7	4	415	.....	.....	Indus bridge wire rope suspension.	.....	S. G. F. nil, W. plentiful, T. nil.	
42	Safedpari	10	.....	415	.....	Up Gilgit valley right bank.	.....	.....	Ditto.	
43	Minawar	10	.....	425	.....	.....	.....	.....	Ditto.	
44	Gilgit <i>P. O., T. O., E.—</i>	9	.....	431	.....	.....	.....	4890	S. G. F. W. moderate, T. available.	Military Cantonment, fort and bazar.

East of Shontar Pass there is another gully which has been partially explored and is said to be 13,500 feet high. There is snow along this route between Shardt and Astor 80 miles during the winter, and the Shontar gully is then impassable. This road is usually closed for half the year. There is plenty of grass and wood fuel from Jamnui to Astor, abundant water throughout, and supplies are procurable. Through transport is necessary from Jamnui to Gilgit, with occasional aid from Naoshera, Kotli, Mozufferabad, and Astor.

From Doarian 260 miles, there is a road up the valley of same name which branches by 2 passes, Doarian and Rattigulli into the Khagan valley.

X_a PARALLEL ROUTE MOZUFFERABAD TO KAREN BY RIGHT BANK KISHENGUNGA RIVER—

16	Mozufferabad <i>P. O., E.—</i>	.....	.....	192	Country undulating, well cultivated, fair road to Pala, hence difficult for laden mules.	..... Up Kishengunga valley right bank.	.....	2470	S. W. G. F. plentiful, T. moderate.	Town and bazar, head-quarters of district. Large village.
17	Kowri <i>E.—</i>	.....	8	200	.....	.....	.....	.....	Ditto	
18	Pala <i>E.—</i>	.....	7	207	.....	.....	.....	.....	Ditto	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA-LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
Xa	<i>ROUTE—contd.</i>	...	207 ...	.....	.....	.....	.....	S. scarce, W. G. F. plentiful, T. nil.	
19	Jaggian	12 ...	219 ...	.....	.....	.....	.....	Ditto, T available.	Village.
20	Patian <i>E.—</i>	12 ..	231 ...	.....	Sarango Pass	Jagran	...	S. W. G. F. plentiful, T. nil.	Ditto.
21	Shakkot <i>E.—</i>	7 ...	238 ...	.....	.....	.....	4300	Ditto, T. available.	Ditto.
22	Karen <i>E.—</i>	8 ...	246 ...	.....	.....	Kishengunga wooden bridge	4050	Ditto, T. available.	Ditto.

From Kowri 200 miles, there is a fair road for pack animals over the Galootia gully, 208 miles, to Balakot, 218 miles, in the Kihagan valley.
From Patian 231 miles, there is a road up the Jagran valley eastwards which leads by 3 passes, Bidela, Shikara and Toygulli into the Kihagan valley.

Xb SHARDI to GURALS ACROSS HILLS—

27	Shardi <i>E.—</i>	...	275 ...	Rough mountain path not passable for mules across four mountain spurs and inter- vening valleys.	Kishengunga bridge.	5850 11000	S. procurable, W. G. F. plentiful, T. available.	Fort on left bank Kishengunga.
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29	Moktah Malik-kakothi. <i>E.—</i>	11	...	286	W. G. F. plentiful, T. nil.		
29	Camp	...	10	...	296	Spur ridge	Ditto	In open forest about 1800 feet above Thien.	
30	Thien <i>E.—</i>	...	6	...	302	.....	.....	.....	.....	S. from Kroras, W. G. F. plentiful, few coolies.	Village at junction of Kretsinar and Zemindhar Khan nullahs.
31	Matsil <i>E.—</i>	...	13	...	315	.....	Spur ridge	.....	.....	S. scanty, W. G. F. plentiful, T. nil.	Village.
	<i>Dudi</i>	...	...	...	324	.....	.....	Tsandan Khol torrent.	.....	.....
32	Geshart <i>E.—</i>	...	16	...	331	.....	Naosara ridge	Hanti nullah.	.....	S. nil, W. G. F. plentiful, T. nil.	
	<i>Bakthaor</i>	...	...	...	335	.....	.....	.....	.....	.....
33	Kanzilwan <i>E.—</i>	...	7	...	342	...	Join new road Sri- nagar to Gurais.	Up Kishen- gunga valley.	Kishengunga bridge.	7400	Ditto.	
34	Gurais <i>P. O., B., C., E.—</i>	...	12	...	354	7800	S. W. G. F. plentiful, T. moderate.	Large village, fort and tehsil.

Xc KHEL to GURAIS UP KISHENGUNGA VALLEY—

29	Khel <i>E.—</i>	290	...	Rough hill path difficult for men and impassable for laden animals	Up Kishen- gunga valley.	...	6250	S. scanty, W. G. F. plentiful, T. nil.	
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
Xc	<i>ROUTE—contd.</i> ...	...	...	290	...					
30	Phulmai ...	13	...	303	...	.....	Phulmai ford.	.....	W. G. F. plentiful, T. nil.	
	<i>Sirdari</i> ...	...	...	308	...	Rough path passable for mules.	.....	.....	.....	Village.
31	Thaobut ...	10	...	313	...	.....	.....	.....	S. scanty, W. G. F. plentiful, few coolies.	Ditto.
	<i>E.—</i>										
32	Kanzilwan ...	10	...	323	...	New road from Srinagar to Gurais.	7400	S. nil, W. G. F. plentiful, T. nil.	Ditto.
	<i>E.—</i>										
33	Gurais ...	12	...	335	7800	S. W. G. F. plentiful, T. moderate.	Fort and tehsil.
	<i>P. O., B., C. E.—</i>										

A path ascends the Phulmai nulla over the Dohban Pir Pass 14,000 feet and descends down to Shingar Dodar about 22 miles in length.

XI JAMMU to POONCH by KOTLI—

Jammu ...	...	...	0	...	Country open and cultivated, rough cart-road.	Across Chenab valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State.
<i>P. O., T. O., D. B.—</i>										

1	Aknoor <i>P. O., F., B.—</i>	...	16	...	16	...	16	...	Fair hill road used by troops in marching from Jammu to Srinagar by Pir Punjal Pass.	..... Ambi Pass. Kalidhar range.	Chenab ferry	1142	S. G. F. and W. plentiful, T. available.	Small town and bazar on right bank of Chenab.
2	Choki Chowra <i>E.—</i>	...	13	4	26 29 34	4	26 29 34	4	.....	Up Tawi valley.	Kurna Khud	2150	S. F. G. after notice, W. procurable, T. nil.	Halting place.
3	Thandapani <i>B., E.—</i>	...	12	4	42	4	42	...	.....	Up Tawi valley.	Rud bridge and ford.	1460	S. scarce, W. plentiful, T. nil.	Village 1 mile off.
4	Siot	...	10	..	52	..	52	...	Track across braken ground.	.....	.....	.....	S. scarce, T. nil.	Village.
5	Naoshera <i>P. O., B., E.—</i>	...	12	..	64	..	64	...	.....	.....	Tawi ford	.....	S. G. F. and W. plentiful, T. available.	Town, bazar and tehsil.
6	Dooral <i>Seri</i>	...	11	...	75 84	...	75 84	...	Fair hill road fit for mules on a fine plain, well cultivated.	Dooral Pass Down Ban valley.	.....	.....	S. scarce, T. nil.	.....
7	Koireta	...	14	...	89	...	89	...	.....	.....	.....	2500	S. precarious, W. from wells, T. available.	Village with ziarat and well.
8	Kotli <i>P. O., B., E.—</i>	...	16	...	100 105	...	100 105	...	Rough stony hill track, passable for mules, but difficult in places.	Up Poonch valley.	Ban ford.	2000	S. G. F. plentiful, W. from springs, T. available.	Town of 300 houses, bazar and tehsil.	
	<i>Tai</i>	..	...	...	114	..	114	..	.....	.....	Nela nuddee.	2170	150° Fahr.	Hot springs from limestone rocks on right bank Poonch river, cross by boat. Large village.
9	Saira <i>B.—</i>	...	14	...	119	...	119	...	.....	.....	.....	3000	S. G. F. plentiful, W. from river distant, T. available.	.....
		122	..	122	Mehndur ford.				

NUMBR OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XI	<i>ROUTE—contd.</i>	...	...	...	.....	Suran ferry	3300	S. G. F. and W. abundant, T. ample.	Capital of Poonch State, town, fort, large bazar.
10	Poonch <i>P. O., D. B., C., E.</i>	16	...	.....	.....	.....	.....	.....	.....

From Kotli a track ascends the Dharan Range to the Nilidheri gully 4,200 feet and descends down to Mankot Fort across the Mendola or Melmdur river, about 16 miles in length. After going 3 miles down the latter to Sagra, it ascends the Haveli Range to Soona gully 4,500 feet, and descends into the Suran valley, and after crossing the latter river by a boat ferry reaches Poonch about 12 miles. Total distance 31 miles. From Aknoor there is a road by Berk to the Sangarmarg iron mines which avoids the high ground thus: Jammu to Aknoor 16, Geralti 26, Serai 37, Berk 44, and Sangarmarg 50 miles passable for laden mules.

From Thandapani a road leads by Prat Ielsil to the Melhgala coalfield thus: Thandapani 42, Prat 52, Melhgala 64, Kalakot 70 miles from Jammu. This Route XI was one of the three imperial roads of the Mogul period from the Punjab to Kashmir, and was the one selected for the passage of elephants. From Poonch it continued up the Bitarh valley over the Haji Fir Pass to Uri and thence up the Jhelum valley to Baramulla and Srinagar, for details of which see Route XXX. Though circuitous and of great length, it could be made suitable for a railway and the cultivated Doon country between Aknoor and Kotli would yield traffic.

XII JAMMU TO SRINAGAR, by PIR PUNJAL PASS: OLD IMPERIAL ROUTE—

	Jammu <i>P. O., T. O., D. B.—</i>	...	0	...	Country open and cultivated, rough cart road.	Across Chenab valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of the Jammu State.
1	Aknoor <i>P. O., F. B.—</i>	16	...	16	Fair hill road used by troops and passable for laden mules.	... Ambi Pass.	Chenab ferry.	1142	S. G. F. and W. plentiful, T. available.	Fort, timber depôt, small town and bazar on right bank Chenab river.

2	Choki Chowra ... <i>E.—</i>	13	4	29	4	.....	.....	Kurna Khud	2150	S. G. F. after notice, W. procurable, T. nil.	Halting place.	
3	Thandapani ... <i>B., E.—</i>	12	4	42	...	.....	.....	Up Tawi valley.	Rud bridge and ford.	1460	S. scarce, W. plentiful, T. nil.	Village 1 mile off.
4	Dhurmsal ... <i>E.—</i>	10	...	52	...	.....	.....	Cross low spur.	.....	.....	S. procurable, W. plentiful, T. nil.	Village.
5	Sialsui ... <i>E.—</i>	10	...	62	...	.....	.....	Cross steep range.	.....	.....	S. scarce, W. plentiful, T. nil.	Ditto.
6	Rajaori (Rampur) <i>P. O., B., C.—</i>	14	..	76	...	.....	.....	.....	Tawi ford bridge un- finished.	3094	S. G. F. and W. plentiful, T. ample.	Town and bazar well built on right bank Tawi. Bon left bank opposite.
7	Thana Mandi ... <i>B., C., E. small.—</i>	14	...	90	...	.....	.....	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Village, Bon right bank Tawi.
				95	...	.....	.....	Ratan Pir	.. ..	8200	.....	Shelter huts on Pass.
8	Baramgalla ... <i>B., C.—</i>	10	4	100	4	The length between Baramgalla and Shupiyan over the Pir Punjal Pass has got out of order and be- come difficult in places; the scenery is very beautiful.	.....	Up Suran valley.	Purnai bridge waterfall. Cross Suran river by nume- rous bridges.	5800	S. scarce, G. F. W. plentiful, T. nil.	Small village and fort in deep gorge near confluence of Purnai nullah and Suran river.
9	Poshiana ... <i>B., C., E. on house tops.—</i>	8	4	109	...	.....	.....	.....	.....	8150	S. and W. scarce, G. and F. plentiful, T. nil.	Village deserted in winter months.
				115	...	.....	.....	Pir Punjal	.....	11400	.....	Shelter huts on pass.
10	Aliabad Serai ... <i>B., C.—</i>	11	..	120	..	.....	.....	Down Rem- biara valley.	... ..	10000	S. nil, G. F. W. plentiful, T. nil.	Halting place.
	<i>Dubchi</i> <i>B.—</i>	...	...	128	...	.....	.....	.....	.....	.....	.....	.....
				129	...	.....	.....	.....	Rupri bridge.	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XII.	<i>ROUTE—contd.</i> ...	...	...	129 ...					
11	Hirpura <i>E., C.—</i> ..	12 ...	...	132 ...	.....	.....	7700	S. procurable, G. F. W. plentiful, T. nil.	Small village on right bank Rembiara.
12	Shupiyon <i>P. O., B., C, E.—</i> ...	8 ...	...	140 ...	Good road in the Kashmir valley with bridges over small nullahs.	Down Jhelum valley.	6714	S. G. F. W. abundant, T. ample.	Town, bazar, tehsil, and head-quarters of district.
	<i>Ramu</i> <i>B., E. confined.—</i> ...	...	...	141 4 144 4 150 ... 151 ...	..... ..... .....	Rembiara ford Mankund ford Ramchu ford. .. ..	... ..	S. and W. procurable, T. available.	Large village on Ramchu river.
13	Khanpur <i>C.—</i> ...	16 ...	...	156 ...	.....	.....	.....	S. nil, G. F. and W. procurable, T. nil.	Village.
14	<i>Wahtor</i> Srinagar <i>P. O., T. O., C. E.—</i> ...	... 13 ...	... ...	162 ... 169 ...	..... .....	..... Jhelum bridge	..... 5235	... S. G. F. W. abundant, T. ample.	Large village. Capital of Kashmir State, large city, Hari Parbat Fort, Maharajah's Palaces, Residency, several bazars on both banks of Jhelum river.

There is no dak bungalow for travellers at Srinagar, but there are a few quarters for residence of visitors, for occupation of which early application in the season to the Assistant Resident in Kashmir at Srinagar should be made.
The Pir Punjal Pass is usually closed by snow from the 15th November to 15th April.

XIIa RAJAORI to POONCH by BHIMBER GULLI—

6	Rajaori (Rampur) <i>P. O., B., C., E.—</i>	...	...	76	...	Fair hill road, pas- sable for mules.	Tawi valley	.....	3094	S. G. F. and W. plentiful, T. ample.	Town and bazar well built.
7	Derian <i>E.—</i>	...	14	...	90	.....	.....	.....	.....	S. scarce, G. F. W. plentiful, T. nil.	Village.
	<i>Dharmisal</i>	...	...	...	92	.....	Bhimber gulli.	.....	5170	.....	.....
		...	...	...	100	.....	Down Mehndur valley.	Mehndur ford	3000	.....	Tehsil.
8	Mankot <i>E.—</i>	...	16	...	106	.....	.....	.....	.....	S. and W. plentiful, T. available.	Fort and village.
	<i>Sagra</i>	...	...	...	109	.....	.....	.....	.....	.....	.....
9	Ban <i>E.—</i>	...	11	...	117	.....	Poonch valley	.....	.....	S. scarce, W. plentiful, T. nil.	.....
10	Poonch <i>P. O., D. B., C., E.—</i>	...	11	...	128	.....	.....	Suran ferry.	3300	S. G. F. and W. abundant, T. ample.	Capital of Poonch State, fort, town, large bazar.

From Sagra 109 miles a road ascends either to the Soona gulli or to the Chilasi gulli and descends down to the Suran valley, and across this river by boat ferry to Poonch 121 miles.

XIIb ALTERNATIVE ROUTE RAJAORI to SHUPIYON by DARHAL PASS—

6	Rajaori (Rampur) <i>P. O., B., C., E.—</i>	76	...	Fair hill road pas- sable for laden mules.	Tawi valley	3094	S. G. F. and W. plentiful, T. ample.	Town and bazar well built.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XIIb	<i>ROUTE—contd.</i>	...	...	76	...					
7	Darhal <i>E.—</i>	12	...	88	...	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Large village.
				94	...	.....	Ratan Pir range.			
8	Beloh <i>E.—</i>	7	...	95	...	Pass not open before June.	.....	.....	S. nil, F. procurable, G. and W. plentiful, T. nil.	Shepherds' huts.
				99	..	..	Darhal Pass	Nil Sar, L. Nundun Sar, L.	13080	
9	Aliabad Serai <i>B., C.—</i>	12	...	107	10000	S. nil, G. F. W. plentiful, T. nil.	Halting place.
				116	...	.....	Jhelum valley.	Rupri bridge.		
10	Hirpura <i>E., C.—</i>	12	...	119	7700	S. procurable, G. F. W. plentiful, T. nil.	Small village.
11	Shupiyon <i>P. O., B., C., E.—</i>	8	...	127	6715	S. G. F. and W. abundant, T. ample.	Town, bazar, tehsil and head-quarters of district.

Loop route from Beloh 95 miles crosses another Darhal Pass 13,460 feet, more to the South-East, and descends by the Bhag Sar or Lake to Roopro 103 and Aliabad Serai 112 miles.

These two Darhal Passes are seldom open before June, and close in November on the first fall of snow.

XIIc BARAMGALLA to SRINAGAR by CHHOTI GULLI PASS—

8	Baramgalla <i>C.—</i>	...	...	100	4	Fair hill road passable for laden mules, though not open before July.	Across Suran valley.	Suran ford	5800	S. scarce, G. F. W. plentiful, T. moderate.	Small village.
9	Hilloh	...	10	4	111	...	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Good grazing ground.
				115	...	Easy ascent and descent	Chhoti gulli	..	14090		Two roads from Pass.
10	Kachgal River	...	12	...	123	.....	Down Kachgal valley.	.....	.....	Ditto.	
11	Pakapura	...	11	...	134	.....	.....	.....	.....	S. procurable, G. F. W. plentiful, T. available.	Village.
	<i>Chrar</i>	...	...	...	139	...	Down Jhelum valley.	.....	6400		Town and bazar.
12	Khanpur <i>C.—</i>	...	10	...	144	.....	.....	.....	.....	S. nil, F. and W. procurable, T. nil.	
13	Srinagar <i>P. O., T. O., C., E.—</i>	...	13	...	157	.....	..	Jhelum bridge	5235	S. G. F. and W. abundant, T. ample.	Capital of Kashmir State, town, fort, and bazar.

From Chhota gulli 115 miles another road leads down the Sangsofed valley to Fras Nag 125 miles, Dragaon 141 miles, and to Srinagar 156 miles also passable for laden animals. The Chhoti gulli Pass is not open before July.

XIIId POSHIANA to SRINAGAR by CHITTAPANI PASS—

9	Poshiana <i>B., C., E. on house tops.—</i>	109	...	Rough hill track not open before July.	Up Chitta valley.	Suran ford	8150	S. and W. scarce, G. and F. plentiful, T. nil.	Village deserted in winter.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XII <i>d</i>	<i>ROUTE—contd.</i> ...	...	109 ...						
10	Chittapani ...	6 ...	115 ...	.....	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Halting place.
11	Sangurwini ...	12 ...	117 ... 127 ...	.....	Chittapani Down Kachgal valley.	.....	14540	S. scarce, G. F. W. plentiful, T. nil.	Village.
12	Pakapura ...	12 ...	139 ...	.....	.....	.....	.....	S. procurable, G. F. W. plentiful, T. available.	Ditto.
	<i>Chrar</i> ...		144 ...	Good road over well cultivated plain.	Down Jhelum valley.	.....	6400	.....	Town and bazar.
13	Khanpur <i>C.—</i> ...	10 ...	149 ...	.....	.....	.....	.....	S. nil, F. and W. procurable, T. nil.	
14	Srinagar <i>P. O., C., E.—</i> ...	13 ...	162 ...	.....	.....	Jhelum bridge	5235	S. G. F. and W. abundant, T. ample.	Capital of Kashmir State, large town, fort and bazar.

The Chittapani Pass is not open before July, and closes on the first fall of snow in November.

XIII JAMMU to SRINAGAR by BUDIL PASS.

1	Jammu <i>P. O., T. O., D. B.—</i>	0 ...	Rough cart-road	Chenab valley.	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State, large town and bazar.
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2	Aknoor <i>P. O., F. B.—</i>	...	16	...	16	...	Road passable for laden mules throughout.	Chenab ferry	1142	S. G. F. W. plentiful, T. available.	Small town, fort and bazar.	37
3	Jandrai Kapaion Ki Baoli		7	4	23	4	.....	.....	.....	2000	S. nil, W. scarce, F. plentiful, T. nil.	Jungle.	
					24	...	.....	Jendar gala.					
					27	...	.....	.....	Katundra ford				
					28	4	Stair descent	Dal gala.					
4	Poni <i>E.—</i>	...	8	4	32	...	Steep and stony ascent.	.....	.....	2000	S. and W. plentiful, T. available.	Large village.	
					38	...	.....	Chili gala	.....	4000			
5	Jandi Upper <i>Jaryin</i>	...	8	...	40	...	Fair road	Nar valley	Nar ford	.....	S. G. F. and W. procurable, T. nil.	Village.	
					44	...							
6	Nar	...	12	...	52	...	.....	.....	.....	.....	S. precarious, F. W. procurable, T. nil.	Scattered village.	
					55	...	.....	Choroo Sira	.....	7807			
7	Bhagoli	...	8	...	60	...	Road stony and bad	Ans valley	.....	.....	S. nil, F. and W. plentiful, T. nil.	One or two huts.	
					62	4	.....	.....	Ans bridge.				
8	Budil <i>E.—</i>	...	5	...	65	...	.....	.....	.. ..	.....	S. G. F. and W. plentiful, T. available.	Large village and fort.	
9	Abid <i>E.—</i>	...	4	...	69	...	.. ..	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.		
					70	...	Ascent and descent very steep.	Beberi spur.					

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XIII	<i>ROUTE—contd.</i> ...	...	...	70	...	.....	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	
10	Delhi or Yamrush <i>E.—</i>	7	...	76	...	.....	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	
				81	...	Ascent steep and awkward, and easy descent.	Budil or Sedau	.....	14120		
11	Harshin Tower or Nazamdhī Garhī <i>Rock Shelter.</i>	14	...	90	...	Fair road	Veshau valley.	.....	.....	Ditto	Halting place, guard house.
	<i>Sedau</i> ...	...	...	96	...	.....	.....	.....	.....	.....	Large village and customs post.
12	Shupiyon <i>P. O., B., C., E.—</i>	11	...	101	...	Good road	.....	.....	6715	S. G. F. and W. abundant, T. ample.	Town, bazar, tehsil, and head-quarters of district.
				102	4	.....	Jhelum valley.	Rembiara ford.			
	<i>Ramu B., E. confined.—</i>	...	...	112	...	Over well cultivated plain.	.....	.....	.....	S. and W. procurable, T. available.	Large village on Ramchu river.
13	Khanpur <i>C.—</i>	16	...	117	...	.....	.....	.....	.....	S. nil, F. and W. procurable, T. nil.	
14	Srinagar <i>P. O., T. O., C., E.—</i>	13	...	130	...	.....	.....	Jhelum bridge	5235	S. G. F. W. abundant, T. ample,	Capital of Kashmir State, large town, fort and bazars.

The Budil Pass is generally closed by snow from December to May inclusive.

From Poni north-west to Berk 6 miles by good road. From Poni eastwards to Riassi 10 miles, crossing the Chenab river at Talwara ferry, also by a good road.

From Poni 32 miles after crossing the Chili Pass 4,000 feet, there is a route down the Nar valley by Thakera Kot 44 miles to Chenka on the right bank of the Ans river, opposite Aarnas 56 miles, thence up the Ans valley along this same bank over a difficult and rugged path by Kurba and Tiloo to Chaona 71 miles from Jammu.

From Jaryin 44 miles west by Puddur to Sangarmarg iron mines 9 miles, crossing the range at Ichni or Inkan 5,200 feet, where there is a thick coal outcrop.

From Dhurmsal a road ascends up the Golabgurlh valley passing by Mehugala coal mines and Teliri, and after crossing over the Chooroo Sira range 7,800 feet, descends either to Nar or to Bhagoli in the Ans valley, distance about 26 miles.

From Bhagoli 60 miles, and Budil 65 miles, are parallel routes on either bank of the Ans river westwards, which join at Obhi 70 miles on right bank, hence there are 3 routes, one westwards to Rajaori 87 miles, one north-west by Putli Fort to Durhal 85 miles, and the third up the Panchgabbar valley northwards by Boorjari 80 miles, over the Rupri Pass 13,620 feet and 85 miles, descends to Roopro 90 miles, and to Aliabad Serai 99 miles on the Pir Punjal road from Jammu.

XIII_a LOOP ROUTE from NAR to SHUPIYON by KONSA NAG AND VESHOU VALLEY—

6	Nar <i>E.—</i>	...	...	52	...	.....	Chooroo Sira range.	.....	7800	S. precarious, G. F. W. procurable, T. nil.	Small village.
7	Chaona <i>E.—</i>	...	14	...	66	...	Rough hill track passable for mules, and open from June.	Ans and Chuniperai valleys.	Ans bridge	W. S. procurable, G.F. plenty, T. available.	Village.
8	Sartote or Nund-Kot <i>E.—</i>	10	...	76	...	.....	Konsa Nag Pass.	.....	13250	S. precarious, G. F. W. plentiful, T. nil.	Ditto.
9	Konsa Nag <i>E.—</i>	...	9	...	85	...	Veshau valley	Konsa Nag Lake.	.....	S. nil, F. scarce, G.W. plentiful, T. nil.	Celebrated place of pilgrimage.
10	Kungwatta <i>E.—</i>	...	10	...	95	...	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Halting place.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORTE AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XIII^a	<i>ROUTE—contd.</i> ...	10	...	95	...						
11	Sedau <i>E.—</i> ...	6	...	101	...	.....	.....	Veshau ford	.....	S. procurable, G. F. W. plentiful, T. nil. Large village and customs post.
12	Shupiyon <i>P. O., B., C., E.—</i> ...	5	...	106	...	.....	.....	.....	6715	S. G. F. and W. abundant, T. ample. Town, bazar, tehsil, and head-quarters of district.

XIII^b SHUPIYON to BARAMULLA—

12	Shupiyon <i>P. O., B., C., E.—</i> ...	...	...	101	...	Hill track passable for laden animals, across undulating ground along the eastern foot of Pir Punjal range.	Across Jhelum drainage.	..... Rembiara ford Mankund " Kachgal "	6715	S. G. F. W. abundant, T. ample.	Town, bazar and tehsil, head-quarters of district.
13	Chrar <i>E.—</i> ...	14	...	111	...		.....	..... Dudhgunga ford. Yechara ford.	6400	Ditto, W. distant	Small Town, Musjid with tomb of Shah Nur-uddin.
14	Khan Baba Sahib's Ziarat— ...	10	.	125	...	.....	Across Suknag drainage.	.....	.....	S. scanty, G. F. W. procurable, T. scarce.	

15	Kag <i>E.—</i>	...	10	...	133	...	.....	Ditto	Suknag bridge.	.....	S. G. F. W. procu- rable, T. available.	Large village, an- cient spring Gunj- nag.
					135	...	.....	.....	.....	.....
					140	...	.....	Poshkar gulli.	.....	.....
	<i>Firozpur</i>	...	...	...	145	..	.....	.....	Bahun ford.	.....	
16	Baba Marishi <i>B., C.—</i>	...	13	...	148	...	.. ...	.....	.....	7000	S. scanty, G. F. W. plentiful, T. nil.	Ziarat of Baba Pam Din, place of pil- grimage.
	<i>Kontra</i>	...	...	...	154	...	....	.....	Ningul ford.	.....	
17	Baramulla <i>P. O., T. O., D. B., E., C.—</i>	...	16	..	164	...	.....	Jhelum valley.	Jhelum bridge.	5175	S. G. F. W. abund- ant, T. after notice.	Small town, bazar and tehsil on right bank Jhelum.

This is the most direct route with beautiful scenery and occasional fine views of the Punjal Range; there is another route from Shupiyon to Kag by Sangarwini, Eosa, Dudhi Patri, Ringa Zabal, and Urzal or Ryar more inside the hills through lovely scenery.

From Firozpur there is a good road to Gulmarg about 6 miles in length up the mountain side, while about 3 miles above Firozpur along the right bank Bahun valley, there are the ruins of two ancient temples on the Durrung Plain, which appear to have been partly destroyed by earthquakes.

From Baba Marishi there is also a short road 2 miles long to Gulmarg Bazar, this was made in 1891.

Baramulla was severely injured by the great earthquake of 1885. About 5 miles off, the earth suddenly opened and swallowed up part of a village with its inhabitants, jets of hot water and sand gushing out.

XIV JAMMU to SRINAGAR by GULABGURH or KURI PASS—

	Jammu <i>P. O., T. O., D. B.—</i>	...	...	...	0	...	Rough road over- beds of stony ravines to Riassi and passable for laden animals.	...	.....	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State.
	<i>Negrota</i>	..	...	...	6	...		Dirooni valley	.....	1150	.. ...	H. H. Maharaja's Rest-house and garden.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XIV	<i>ROUTE—contd.</i>	...	...	6 ...					
1	Dunga	11 ...	11 ...	.....		.....	.....	S. nil, G. F. procurable,	Small village.
	<i>Tandapani</i>	...	16 ...	.....	Gundla ridge	.....	1650	W. scarce, T. nil.	Temple and spring.
2	Kanjili	12 ...	23 ...	.. ..	.....	.....	1400	S. precarious, G. F. W. procurable, T. nil.	Small village.
	<i>Dera</i>	.. ...	26 ...	.. ..	Chenab valley	.....	1330	.....	Sikh temple.
3	Riassi	12 ...	33 4	.....	.....	Doda ford	1330		
	<i>P.O., T.O., B, C, E.—</i>		35 ...	Fair road over the Salar range down to Chenab and along right bank to Aarnas.	.....	.....	1800	S. G. F. W. plentiful, T. ample.	Town, bazar, tehsil and castle.
	<i>Bidur</i>	... ..	39 ...		.....	....	2450		
4	Banasu	10 ...	42 ...	.....	Tor gulli	.....	3300	.....	On Salal hill spur.
		...	45 ...	.....	.....	Chenab rope bridge or ferry.	1540	S. nil, G. F. procurable, W. plentiful, T. nil.	Huts.
5	Aarnas	6 ...	51 ...	.....	.....	.....	.....	S. G. F. W. procurable, T. available.	Large village on right bank Chenab, facing Salar Fort on left bank Chenab.
	<i>E.—</i>								
6	Toroo	10 ...	61 ...	Rough road with many ups and downs over spurs and ravines.	Ans and Gulabgurh valleys left bank.	.....	.....	S. procurable, G. F. W. plentiful, T. nil.	Cluster of villages.
	<i>E.—</i>								
7	Angril	14 ...	75 ...			.. ..	.....	Ditto ...	Small village.
	<i>E.—</i>								

	<i>Dawal</i>	...	...	76	...	.....	.....	Golabgurh ford.	.....	.....	Ditto.
8	Kinderali or Gulabgurh Fort <i>E.—</i>	9	...	84	...	Steep ascent and easy descent over pass.	.. ..	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Ditto.
		...	...	90	...		Gulabgurh or Kuri. Chitti valley.	.. ..	12530		
9	Gogulmarg <i>E.—</i>	...	11	...	95	.....	.....	.....	.....	Ditto	Marg and huts.
	<i>Koond Koolloo</i>	...	...	100	...	Good road over fine plain, well cultivated.	Pahargurh range. Veshau valley.	.....	.....	S. procurable, W. scarce, G. F. plentiful, T. available.	Ditto. Large village.
10	Kuri <i>E.—</i>	...	11	...	106	...	.....	.....	.....
		...	...	112	...	.....	.....	Veshau ford.	6715	S. G. F. and W. abundant, T. ample.	Town, tehsil and head-quarters of district.
11	Shupiyon <i>P. O., B., C., E.—</i>	...	12	...	118	...	.....	.....	.....
	<i>Ramu</i> <i>E. confined.—</i>	...	...	119	4	.....	Jhelum valley.	Rembiara ford.	.....	.....	Large village.
		...	...	129	...	.....	.. ..	.....	.....
12	Khanpur <i>C. E.—</i>	...	16	...	134	...	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	
13	Srinagar <i>P. O., T. O., C., E.—</i>	...	13	...	147	...	.....	.....	Jhelumbridge	5235	S. G. F. W. abundant, T. ample. Capital of Kashmir State, large town, cantonment, fort and bazars.

This was said to be the best horse road into Kashmir, but is not so much used at present.

From Jammu to Riassi there is an alternative route, also up stony beds of ravines by Negrota 6 miles, to Dumun 14 miles, thence along the Sarna ridge to Katera 26 miles, 1,760 feet and across numerous ravines to Riassi 37 miles. The celebrated temple and place of pilgrimage, Trikoota Devi, is situated on the mountain of three peaks, about 3 miles north of Katera, up the Balan Khud, where copious springs of pure water issue from the limestone rock at an elevation of 3,000 feet; at Katera is a fine State garden.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL						
		<i>m. f.</i>	<i>m. f.</i>						

XIV^a BRANCH TRACK from GULABGURH to SHUPIYON by DEDAM PASS—

8	Gulabgurh <i>E.—</i>	...	...	84	...	Difficult path for men only.	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Fort.
				94	...	.....	Dedam Pass.				
9	Dedam <i>E.—</i>	...	12	...	96	.....	Kolnarawa valley.	.....	.....	Ditto	Large marg.
10	Bo <i>E.—</i>	...	8	...	104	...	Good road for laden animals.	.....	.....	S. procurable, G. F. S. plentiful, T. nil.	Fair village.
11	Hanjipur <i>E.—</i>	...	6	...	110	...	.....	Veshau valley	Veshau ford	S. G. F. and W. plentiful, T. available.	Large village.
12	Shupiyon <i>P. O., B., C., E.—</i>	...	10	...	120	...	.....	.....	6715	S. G. F. and W. abundant, T. ample.	Town, bazar, tehsil and head-quarters of district.

This is a rugged mountain path known only to Gujars. The pass is above 12,500 feet high with fairly easy ascent and descent. From Gogulmarg 95 miles after crossing the Pahargurh Range, there is a shorter route by Hanjipur 105 miles, to Shupiyon 115 miles. From Koond Kooloo there is a road 6 miles in length to Kungwattu on the Kousa Nag Pass road.

These Routes XIII and XIV up the Ans valley are the most direct from Jammu to Srinagar, and traverse a less width of the friable Murrea rock formation than any other route. The passes from 12,500 to 14,120 feet are very high, and these roads are, therefore, blocked by snow during one-half of the year. If the money could be found for a 10-mile tunnel through these mountains this direction would probably be suitable for a railway.

XV JAMMU to SRINAGAR by BANIHAL PASS—

There are three branches to this route, by the Chenab valley, by the Singipal Pass, and by the pass over the Larulari Range, all converging to the iron suspension bridge over the Chenab river at Ramband, hence a single route up the Bichlari valley over the Banihal Pass to Islamabad and Srinagar.

Firstly, BY THE CHENAB VALLEY—

	Jammu <i>P. O., T. O., D. B.—</i>	...	...	0	...	Rough cart road over fertile country.	Up Chenab valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State, large town and bazar.
1	Merh <i>Aknoor</i>	...	9	...	9	.....	.....	.....	925	S. G. F. W. plentiful, T. available.	Village and H. H. Maharajah's garden.
2	Gaura	...	11	...	20	Hill track over broken ground and stony beds of ravines.	.....	.....	1200	S. and W. plentiful, T. available.	
3	Dera	...	12	...	32	.....	.....	.....	1330	S. G. F. nil, W. plentiful, T. nil.	Sikh temple.
					39	.....	.....	Doda ford	1330		
4	Riassi <i>P. O., T. O., B., C., E.</i> <i>Mari</i>	...	9	...	41	Fair road over Salar range and along Chenab valley, left bank, passable for mules.	.. ..	.....	1800	S. G. F. and W. plentiful, T. ample.	Fort town, bazar and tehsil.
					43	.....	.....	.....	2000		
					45	.....	Serli Pass	.....	4300		
	<i>Ser</i>	...	...	...	48	.....	.....	.....	2950		
					49	.....	Kirkhari gully	.....	2875		
5	Kansur <i>E.—</i>	...	10	...	51	.....	.....	...	1600	S. moderate, G. F. W. plentiful, T. available.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XV	<i>ROUTE—contd.</i> ...	...	51 ...						
6	Kotroo ...	6 ...	57 ...	.....	.....	.....	2075	S. moderate G. F. W.	Village.
	<i>Harog</i> ...	... ..	60 4	.....	.....	.....	1800	plentiful, T. nil.	
7	Parand ...	7 ...	64 ...	.....	.....	.....	2450	Ditto, T. available.	Ditto. Ancient ruins.
	<i>E.—</i>								
	<i>Kartal</i> ...	... ..	67 ...	.....	.....	Pinkia river ford.	1900		
			72 ...	Road diverges round Kaonsal mountain over limestone formation to avoid cliffs on Chenab.	Simni gully	.....	6100	.....	Spur of Mandi peak.
8	Madial ...	11 ...	75 ...		.....	.....	3200	Ditto, T. nil.	Ditto.
			77 ...		Bilkot gully	.....	4408		
	<i>Tangar</i> ...	... ..	79 ...	Fair hill road passable for mules.	.....	.....	2650		
9	Dharamkoond ...	8 ...	83 ...	.....	.....	.....	2200	Ditto, T. available.	Ditto. Rope sling bridge over Chenab.
	<i>E.—</i>								
	<i>Gunga</i> ...	... ..	85 ...	.....	.....	.....	3800		
	<i>Maitra</i> ...	... ..	92 ...	.....	.....	.....	.....	S. nil, G. F. procurable, W. plentiful.	Old baradari.
	<i>B.—</i>								

10	Ramband <i>P. O., T. O., B., C., E.</i>	11	...	94	Chenab bridge	2324	S. G. F. and W. plentiful, T. available.	Tehsil and bazar.
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Between Riassi and Kansur, the Chenab river makes a remarkable bend, changing from a westerly to a southerly course through a deep gorge of limestone cliffs. The Salar Fort is situated in the angle of this bend and the road from Riassi avoids the latter, crosses the limestone range by the Serli Pass in a N. E. direction and descends to Kansur in the Chenab valley. It passes by Sir, near which are situated the mines of lead and antimony which have been worked for a long period.

Between Karlat and Tangar, the Chenab cuts through a spur of the limestone range forming a deep gorge walled in by high cliffs, with a great fall. From Karlat the road diverges S. E. to Madial over the Simni Pass, and comes round the base of a limestone peak N. E. to Tangar, back on the Chenab. In the vicinity of Dharamkoond up the Chenab valley, there are large deposits of Gypsum called *makol*.

This route up the Chenab and Bichlari valleys has been reconnoitred for a railway. It passes through 40 miles of the Murree rock formation, and would meet difficulty at the Tangar and Salar limestone gorges.

Secondly, BY THE SINGIPAL PASS—

	Jammu <i>P. O., T. O., D. B.—</i>	...	...	0	...	Good road but stony.	Up Tawi valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State, large town and bazar.
	<i>Negrota</i>	...	...	6	...	.....	.....	.....	1150		
				16	...	.....	Nadaini gully	.....	2275		
1	Dunsal	...	17	6	17	6	.....	ChupperKhud	1800	S. G. F. procurable, W. scanty, T. scarce.	Village.
					20	6	.....	Shegala range	.....	
					24	...	.....	Doodur Khud	2800		
	<i>Periam</i>	...	...	25	6	Old road now seldom used.					
2	Krimchi	...	14	2	32	...	.....	.....	2500	Ditto, W. baoli and nullah.	Ditto Old fort in ruins.
					35	...	.....	Biru ford.			
					39	...	.....	Siraoli range.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XV	<i>ROUTE—contd.</i> ...	...	...	39 ...					
3	Mir ...	10 ...	...	42 ...	.....	Across head	4800	S. nil, G. F. W.	Halting place.
	<i>Bakul</i> ...	...	...	47 ...	.....	Pinkia valley.		procurable, T. nil.	
4	Landra ...	9 ...	...	51 ...	.....	.....	4700	S. scarce, G. F. W. and	Fort.
	<i>Bilhuta</i> ...	...	...	56 ...	Steep descent	Singipal	8200	T. available.	
	<i>Maitra</i> ...	...	...	59 ...		Across Chenab			
5	Ramband ...	12 ...	...	63 ...	.....	valley.			
	<i>P. O., T. O., B., C. E.</i>	...	...	65 ...		.....	2324	S. G. F. W. plentiful,	Tehsil and bazar.
						Chenab bridge.		T. available.	

Thirdly, MAIN ROUTE BY THE SARTARGURH PASS OVER THE LARULARI RANGE—

1	Jammu ...	...	...	0 ...	Made road through-	Up Tawi	1200	S. G. F. and W.	Capital of Jammu
	<i>P. O., T. O., D. B.—</i>				out and partially	valley.		abundant, T. ample.	State.
	<i>Negrota</i> ...	...	...	6 ...	bridged.	.....	1150	.....	H. H. Maharaja's
	<i>B.—</i>				.....	.....			Baradari and
				16 ...	.....	Nadaini gully	2275		garden.
2	Dunsal ...	17	6	17 6	Between Jammu	.....	1800	S. G. F. procurable,	Village.
	<i>B.—</i>			20 6	and Udampur	Shegala range	2800	W. scanty, T. scarce.	
				24 ...	very stony over	.....		
	<i>Periam</i> ...	...	...	25 6	boulder forma-	Doodur Khud.			
					tion,				

3	Udampur ... <i>P. O., T. O., Palace, C., E.—</i>	12	6	30	4	Good section	.....	.....	2500	S. G. E. plentiful, W. scarce in dry summer, T. ample.	Town and bazar, head-quarters of district.
4	Dramthal ... <i>B.—</i>	13	6	44	2	.....	.....	.....	3500	S. G. F. procurable, W. moderate, T. scarce.	Village.
	<i>Chineni</i> ...	...	...	40	...	Steep and stony ascent & descent.	.....	.....	3900	S. and W. abundant, T. ample.	Small town and bazar.
	<i>Putni Talao</i> ...	...	...	53	...	.....	Larulari	.....	6600	.....	Near Sartargurh.
5	Batoti ... <i>B. E.—</i>	11	6	56	...	Steep descent which might be improved.	Across Chenab valley.	.....	5050	S. G. F. plentiful, W. moderate, T. scarce.	Village.
6	Ramband ... <i>P. O., T. O., B., C., E.</i>	13	2	69	2	Rough road through shale, subject to snow, avalanches from Loonkot mountain and liable to landslips.	.....	Chenab bridge	2324	S. G. F. W. plentiful, T. available.	Tehsil and bazar.
	<i>Digdihol</i> ...	...	...	77	...	.....	Up Bichlari valley.	.....	3300	.....
	<i>Klalna</i> ...	...	...	80	...	.....	.....	Bichlari bridge.	3200	.....
7	Ramsu ... <i>Hut.—</i>	12	6	82	...	.....	.....	Ditto	3700	S. G. F. procurable, W. plentiful, T. nil.	Small village.
	<i>Nachilana</i> ...	...	...	84	...	.....	.....	Ditto.	4400	.....
				86	...	.....	.....	Mohu bridge.	4400	.....	Customs post.
				89	...	Good section	.....	Bichlari bridge.	5450	.....
8	Deogul or Banihal ... <i>B.—</i>	11	...	93	...	.....	.....	.....	5450	S. G. F. W. moderate, T. scarce.	Village.
	<i>Takia</i> ... <i>C.—</i>	...	...	98	4	Steep ascent and descent, road fair.	.....	.....	6300	.....	Village, foot of pass.
				100	4	.....	Banihal	.....	9200	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.	m. f.	m. f.						
XV	<i>ROUTE—contd.</i> ...	...	...	100	4						
9	Verinag ... <i>P.O., T.O., B. E.—</i>	11	2	104	2	Good road	Down Jhelum valley.	Sandri bridge Bringh bridge.	6000	S. G. F. and W. plentiful, T. available.	Large village and tehsil.
10	Islamabad or Anant Nag. ... <i>P.O., T.O., B., C., E.—</i>	16	2	120	4	.....	Right bank	Sulphurous springs.	5450	Ditto, T. ample.	Town, bazar and head quarters of district.
	<i>Kanabul</i> ... <i>B.—</i>	...	...	122	...	Hence travellers mostly go by boat down the Jhelum.			5400	Ditto „	On right bank Jhelum.
	<i>Bijbehara</i> ... <i>B. C.—</i>	...	...	126	...	Fair road	.....	.....	.....	.....	Town and bazar, numerous temples and mosques.
11	Awantipur ... <i>E.—</i>	17	...	137	4	.....	.....	.....	5300	S. nil, T. nil.	Ruins of ancient city and temple.
	<i>Pandrethan</i> ...	...	...	149	...	.....	.....	.....	.....	.....	Ancient city and temple in ruins.
12	Srinagar ... <i>P. O., T. O., C., E.—</i>	18	...	155	4	.....	.....	.....	5235	S. G. F. and W. abundant, T. ample.	Capital of Kashmir State, large town and bazar, Military Canton- ment.

This route is reserved by H. H. Maharajah of Jammu and Kashmir, and no visitor can travel this way without his express permission. When the latter is given, the traveller should arrange for the through transport of his camp and baggage from Jammu to Islamabad, otherwise much trouble and difficulty may be felt, the local coolies frequently putting down their loads on the roadside and running away. The Banihal Pass is usually closed by snow during two months of the year, 15th December to 15th February inclusive.

Through Damsal a cross route starting from Riassi runs along the Damsal plain generally in a south-east direction by Jindrar, and after crossing the Tawi river at Negrota comes to Munwal, where the two roads from Jammu to Ramnagar and Bisaoli diverge. Near this place are the ruins of some fine Pandoo temples which are little known. The distances from Riassi are to Katera 11 miles, Damsal 25 miles, Jindrar 33 miles, Negrota 38 miles, and Munwal 40 miles.

From Ramband 69 miles 2 furlongs, an old road ascends the Loonkot Range 8,000 feet, and crossing over above Bilhoot 74 miles, descends into the Peristan valley by Barargadh 80 miles, to Ramsu 85 miles.

From Ramband 69 miles 2 furlongs, a loop track ascends N. E. over the same range under Saroo Peak by Gunhot 75 miles, and after crossing the Pass descends down the Peristan valley by Peristan 86 miles, to Ramsu 98 miles.

XV^a UDAMPUR to RIASSI—

3	Udampur <i>P. O., T. O., Palace, C., E.—</i>	...	...	30	4	Open country, well cultivated, but broken by numerous deep ravines, road fair.	Across drainage of Tawi.	.....	2500	S. and G. F. plentiful, W. scarce in dry summer, T. ample.	Town and bazar, head-quarters of district.
4	Cymbal Sui <i>E.—</i>	...	10	4	41	... ..	Sandran spur	..... Sukhul Kud	.....	S. precarious, W. scarce, T. nil.	Village.
5	Katera <i>C., E.—</i>	...	8	...	49	...	Trikoota spur	Balan Kud	1760	S. and W. plentiful, T. available.	Large village.
					58	...	Across Chenab drainage.	Dooda stream.			
6	Riassi <i>P. O., T. O., B., C., E.—</i>	...	11	...	60	...	.....	.....	1800	S. and W. plentiful, T. ample.	Fort, town, bazar and tehsil.

From Udampur 30 miles 4 furlongs there is another route by Siraoli 43 miles, and over two spurs of the Siraoli Peak to Gurg 52 miles, thence down the Doodavalley to Riassi 66 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

XV^b CROSS ROUTE from PARAND to SAD MAHADEO by LANDRA and CHINENI.—

	Parand <i>E.—</i>	...	...	0	...	Hill track not passable for laden animals.	Up Pinkia valley.	.....	2450	S. moderate, G. F. W. plentiful, T. available.	Village and ruins of temple.
1	Landra	...	15	...	5	.....	.....	Pinkia ford.	4700	S. scarce, G. F. W. T. procurable.	Fort.
				21	...	.....	Larulari range				
2	Chineni <i>P. O., C., E.—</i>	...	12	...	27	Good road	Across Tawi drainage.	...	3900	S. G. F. W. plentiful, T. ample.	Small town and bazar. Residence of Raja of Chineni.
3	Sad Mahadeo <i>C., E.—</i>	...	8	...	35	.....	.....	.....	.....	Ditto.	Place of pilgrimage, with temples and bazar.

XV^c NACHILANA to SHUPIYON by MOHU PASS—

8	Nachilana	86	Rough hill track passable for mules.	Up Mohu valley.	Mohu bridge	4400	Customs post.
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9	Mohu <i>E.—</i>	...	11	...	97	S. nil, G. F. W. plentiful, T. nil.	Marg.
10	Dunnouf <i>E.—</i>	...	14	...	101 111	Mohu Pass. Down Kolnerawa valley.	S. procurable, G. F. W. plentiful, T. scarce.	Village.
11	Hanjipur <i>E.—</i>	...	6	...	117	...	.....	.....	Veshau ford	.....	S. and W. plentiful, T. available.	Large village.
12	Shupiyon <i>P. O., B., C. E.—</i>	...	10	...	127	...	.....	.....	.....	6715	S. G. F. and W. abundant, T. ample.	Town, bazar, tehsil and head-quarters of district.

Over the mountain range S. E. from Banihal, which separates the Bichlari valley from the Shahabad valley, are 3 passes :

Nandmarg ascended from Ramsu 82 miles, up the Pogal stream by Maligam 92 miles, to Choan, Custom House, 105 miles at the upper end of the Shahabad valley.

Ramoor ascended from Ramsu 82 miles, up the Marwan stream by Prihanta 92 miles, to Ingrawarru in the Shahabad valley 102 miles.

Halan ascended from Deogul 93 miles, by Halan 104 miles, to Nowgaon 107 miles, and Verinag 110 miles, in the Shahabad or Upper Jhelum valley.

On the west side of Banihal Pass is the Traj Pass, which may be ascended from Deogul 93 miles, by Dannahar 102 miles, to Rozlu valley 112 miles, and Islamabad 127 miles.

From Verinag westwards there is a pleasant road with fine scenery along the northern foot of the Punjal Range by the Rozlu valley and Dunnouf to Shupiyon, *viz.*, Verinag to Hillar 6 miles, Rozloo valley 15 miles, Durdgoond 23 miles, Dunnouf 33 miles, Hanjipur 39 miles, Koond Koolloo 48 miles, Kungwattu 54 miles, Sedau 60 miles, Shupiyon 65 miles. Supplies and coolies are procurable throughout except at Koond Koolloo and Kungwattu.

XVd EXTENSION ROUTE VERINAG to INSHIN in WURDWAN VALLEY by MARGAN PASS.—

9	Verinag <i>P. O., T. O., B.—</i>	104 105 108 111	2	Good road passable for laden animals.	Shahabad valley Shail Nag range. Bringh valley Sandrin ford Bringh ford.	6000	S. G. F. & W. plentiful, T. available.	Large village and tehsil.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XVd	<i>ROUTE—contd.</i>	...	...	111	...						
10	Soph <i>E.—</i> <i>Kharपुरa</i>	...	9 6	114	...	.....	.....	.....	.....	S. G. W. plentiful, F. scarce, T. available.	Two large villages employed in working iron mines.
11	Nowbug <i>E.—</i>	...	9 ...	120 ...	123 ...	.....	Nar Sungar. Up Nowbug valley.	.....	.....	S. G. F. W. plentiful, T. available.	Large village.
12	Guran <i>E.—</i>	...	9 ...	132 ...	138 ...	.....	.....	.....	11600	Ditto ...	Small village
13	Inshin	...	16 ...	148 ...	...	Road over pass steep and stony.	Margan Pass or Ikpatran. Up Wurdwan valley.	.....	8143	Maru Wurdwan bridge. S. precarious, G. F. W. plentiful, a few coolies procurable.	Village.

From Verinag 2 roads lead to Soph over the Shail Nag range between the Shahabad and Bringh valleys, both equally good.

XVe EXTENSION ROUTE ISLAMABAD to AMARANATH by LIDAR VALLEY—

10	Islamabad or Anant Nag <i>P.O., T.O., B., C., E.—</i>	...	...	120	4	Good road passable for laden animals	Up Lidar valley left bank.	.....	5450	S. G. F. W. abundant, T. ample.	Town and bazar, head-quarters of district, sulphurous hot springs.
11	Bawan <i>E.—</i>	...	4 4	125	...	.....	.....	.....	.....	Ditto	Beautiful spring, temple and caves.

12	Eishmakam <i>E.—</i>	...	10	...	135	...	.....	.....	.....	.....	S. G. F. W. plentiful, T. available.	Mahomedan shrine, old copper mines at Harpat Nag.
	<i>Butkot</i>	...	...	...	141	...	.....	.....	.....	.....	.....	Village.
	<i>Ganeshbal</i>	...	...	...	146	...	.....	.....	.....	.....	.....	Chief stage of pil- grimage.
13	Pailgam <i>E.—</i>	...	14	...	149	...	Fair road practi- cable for ponies and janpans.	.....	.....	8500	Ditto	Cluster of villages.
	<i>Preslang</i>	...	...	...	156	...	.....	.....	.....	.....	.....	Small village, last up valley.
14	Tanin or Chan- danwara. <i>E.—</i>	...	10	...	159	...	.....	.....	.....	10500	S. nil, G. F. W. plentiful, T. nil.	Halting place.
15	Shisha Nag <i>E.—</i>	...	10	...	169	...	.....	.....	Shisha Nag	12500	Ditto	Ditto.
								Sach Kach range,	.....	.....	Ditto, Juniper bushes.	Ditto.
16	Panjitarni <i>E.—</i>	...	11	...	180	...	.....	.....	.....	.....	Ditto, Juniper bushes.	Ditto.
17	Amaranath Cave	...	5	...	185	..	.....	.....	Cave in the Gypsum rock.	13000	Nil.	Celebrated place of pilgrimage, sacred to Siva.

Between Tanin and Panjitarni, there is another route by Astan Marg about 16 miles, rougher but shorter. From Panjitarni there is a path down the Sangam Kol river to Baltal on the Srinagar and Ladak road at the southern foot of the Zoji La. The distance is about 8 miles and is traversable only while this river is covered by snow bridges during winter and generally until the end of June.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						

XVI JAMMU to SKARDU by KISHTWAR and SURU—

	Jammu * P. O., T. O., D. B.—	...	...	0	...	Fair road passable for laden animals, very stony over boulder formation.	.....	.....	1200	S. G. F. & W. abundant, T. ample.	Capital of Jammu State, Military Cantonment, large town and bazar.
	<i>Negrota</i> B.—	...	...	6	...	.....	Up Tawi valley.	.....	1150	.....	H. H. Maharajah's Baradari & Garden.
1	Dunsal B.—	...	17	6	17	6	.....	.....	1800	S. G. F. procurable, W. scanty, T. scarce.	Village.
2	Udampur P.O., T. O., Palace—	...	12	6	30	4	Good road	.....	2500	S. G. F. plentiful, W. scarce, in dry summer T. ample.	Town and bazar, head-quarters of district.
3	Dramthal B.—	...	13	6	44	2	.....	.....	3500	S. G. F. plentiful, W. moderate, T. scarce.	Village.
	<i>Chineni</i> P. O.—	...	...	...	49	...	Steep ascent	.....	3900	W. and S. abundant, T. ample.	Small town and bazar.
	<i>Putni; Talao</i>	...	...	...	53	...	.....	Larulari range.	6600	.....	Near Sartarghur.

4	Batoti <i>B.—</i>	...	11	6	56	.....	.....	.....	5050	S. G. F. plentiful, W. moderate, T. scarce	Village.
5	Asar <i>E.—</i>	...	14	...	70	Hill road fairly passable for mules.	Up Chenab valley.	.....	3150	S. G. F. W. procurable, T. moderate.	Ditto.
6	Kullen <i>B., E.—</i>	...	12	...	82	.....	.....	.....	3800	Ditto	Ditto.
	<i>Doda</i>	...	...	...	85	.....	.....	.....	.....	.....	On right bank of Chenab river.
					86	.....	.....	Neru bridge or raft.	.....	.....
7	Bhela <i>E.—</i>	...	12	...	94	Rough hill road passable for laden animals.	Up Chenab valley or Chandra Bhaga left bank.	.....	3670	S. G. F. W. procurable, T. scarce.	Village.
8	Zanglwar <i>E.—</i>	...	13	...	107	.....	.....	.....	3670	Ditto	Ditto.
					108	.....	.....	Karney bridge.	2950		
9	Joshni <i>E.—</i>	...	6	...	113	Cross numerous ravines.	.....	.....	3200	S. G. F. W. scarce, T. nil.	Ditto.
10	Kishtwar <i>P. O., B., C., E.—</i>	...	15	...	128	.....	.....	.....	5400	S. G. F. W. plentiful, T. ample.	Fort, small town, bazar, and head- quarters of dis- trict on high plateau.
11	Phalma	...	6	...	134	This part of road not practicable for mules owing to very difficult places.	Up Maru Wurdwan valley.	Chandra Bhaga rope bridge.	3664	S. precarious, G. F. W. procurable, few coolies.	Small village.
	<i>Bandarkoot</i>										

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XVI	<i>ROUTE—contd.</i>	...	6	...	134	...					
12	Ekali	...	14	...	148	.....	Up Maru Wurdwan valley.	.....	.....	S. nil, G. F. W. procurable, T. nil.	Huts.
13	Sanger Zand	...	16	...	164	.....	.....	.....	.....	Ditto	Ditto.
		...	...	...	...		Maru Wurdwan bridge.				
14	Hanja	...	15	...	179	.....	.....	.....	.....	Ditto	Ditto.
							Maru Wurdwan bridge.				
15	Petgam or Maru	...	13	...	192	.....	.....	.....	.....	S. G. F. W. procurable, few coolies.	Village.
							Farriabad bridge.				

Hence there are two routes to Suru, one up the Maru Wurdwan valley by the Bhutkhol Pass as follows, the other up the Farriabad valley by the Chiloong Pass, the latter much longer. See Route XVIa.

16	Hajka E.—	...	11	...	203	...	Road bad along precipices.	Up Maru Wurdwan valley.	S. nil, G. F. W. procurable, T. nil.	Halting place.
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17	Inshin <i>P. O, E.</i>	...	9	...	212	8143	S. precarious, G. F. W. procurable, few coolies.	Village.
	<i>Afith</i>	216	Maru Wurdwan bridge.	Old fort.
	<i>Basman</i>	...	...	...	219	Road passable for ponies not laden.			.....	.....
					222	.....	.....	Ditto.			
					225	.....	.....	Ditto.			
18	Suknis <i>E.—</i>	...	15	...	227	.....	.....	.....	.....	Ditto	Last village up this valley.
19	Dumhoi <i>E.—</i>	...	9	...	236	.....	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	Halting place.
20	Morse Khol <i>E.—</i>	...	12	...	248	.....	.....	.....	.....	S. G. nil, W. procurable, F. scarce, T. nil.	Ditto at foot of glacier.
					260	Snow track over glacier.	Bhuthkol or Lanwi La.	.....	14370	.....	Kwaj Kur track.
21	Dunore <i>E.—</i>	...	20	...	268	.....	Down Suru valley left bank.	.....	.....	S. G. F. nil, W. procurable, T. nil.	Halting place.
22	Suru <i>E.—</i>	...	10	...	278	Road passable for men and led ponies only.	.....	.....	10624	S. G. F. W. procurable, few coolies and ponies.	Village and fort.
23	Sankho <i>E.—</i>	...	18	...	296	.....	.....	.....	.....	S. G. F. W. obtainable, T. available.	Large village.
24	Chaliskot <i>E.—</i>	...	12	...	308	.....	.....	.....	.....	S. G. F. W. procurable, T. nil.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XVI	<i>ROUTE—contd.</i> ...	12	...	308	...						
25	Kargil <i>E.—</i> ...	14	...	322	...	.....	.....	.....	8787	S. G. W. plentiful, F. moderate, T. available	Large village and fort, and headquarters of district.
26	Kirkitchu <i>E.—</i> ...	10	..	332	...	Difficult road not passable for ponies or mules.	.....	Dras bridge	.....	S. G. F. W. procurable, T. nil.	Village Chanagand on right bank.
27	Gangany <i>E.—</i> ...	10	...	342	...	.....	.....	.....	.....	Ditto ...	Small village.
28	Olting Thang <i>E.—</i> ...	12	...	354	...	.....	Down Indus valley left bank.	.....	.....	S. G. F. W. procurable, few coolies	Village.
29	Tarkuty <i>E.—</i> ...	14	...	368	...	Bad parts over rugged spurs with scaffolding.	.....	.....	7800	Ditto ...	Ditto.
30	Kartaksho <i>E. confined—</i> ...	17	...	385	...	.....	.....	.....	8500	Ditto ...	Ditto.
31	Tolti <i>E.—</i> ...	12	...	397	...	.....	.....	.....	.....	Ditto ...	Ditto.
32	Parkuta <i>E.—</i> ...	14	...	411	...	Fair hill road ...	.....	.. ..	.....	S. G. F. W. plentiful, T. available.	Large village.

33	Gol <i>E.—</i>	...	13	...	424	...	.....	.....	.....	.....	Ditto	...	Ditto.
	<i>Kepchang</i>	...	...	...	441	...	.....	.....	.....	.....	Ditto	...	Ditto.
34	Skardu <i>P. O., T. O., E.—</i>	...	21	...	445	...	.....	.....	.....	7440	S G. W abundant, F. scarce, T. ample.	Capital of Baltistan, fort and bazar.	

There are two routes over the Bhut khol Pass between Suknis and Suru. The Kwaj Kur Route, as above given, generally open from June to November, and the Saga Route by the Rang marg, 73 miles long, which, though it has easier gradients, is not safe after the snow melts. As changes occur in the glaciers, the tracks are altered, and this may account for the different routes given by travellers. It is remarkable that in this road from Jammu to Skardo, 445 miles in length through the mountains, there are only two passes—the Larulari, 6,600 ft. and the Bhut khol, 14,370 ft. With a large camp, through transport is necessary for the bulk of the baggage.

XVI^a ALTERNATIVE ROUTE from PETGAM to SURU by CHILOONG PASS—

15	Petgam <i>E.—</i>	...	...	...	192	...	Hill track used by men only, difficult path.	Up Farriabad valley.	.....	...	S. procurable, G. F. W. moderate, few coolies.	Village.
	<i>Zabban</i>	...	...	...	...	.....	.....	.....	.....	.....	.....	Hot Spring.
16	Metwan <i>E.—</i>	...	14	...	206	...	.....	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	Hamlet.
17	Maharran <i>E.—</i>	...	10	...	216	...	.....	.....	.....	.....	Ditto	Halting place.
18	Kailgan Rocks <i>E.—</i>	...	12	..	228	..	.....	.....	.....	...	Ditto	Ditto.
19	Camp <i>E.—</i>	...	12	...	240	...	.....	.....	.....	.....	S. F. G nil, W. plentiful, T. nil.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XVIa	<i>ROUTE—contd.</i> ...	12	...	240	...						
20	Ramdun Sankpo <i>E.—</i>	20	...	260	...	.....	Chiloong Pass down Ramdun Sankpo valley.	.....	.....	S. F. G. nil, W. plentiful, T. nil. Foot of Penge La.
21	Gonpa LamaSeroi or Ringdom ... <i>E.—</i>	13	...	273	...	Track improves as the valley widens.	.....	.....	.....	S. precarious, F. G. procurable, W. plentiful, T. nil. Lama Monastery.
22	Gulmatongo ... <i>E.—</i>	17	...	290	...	Heavy road	.....	.....	.....	Ditto Huts.
23	Purkatse ... <i>E.—</i>	12	...	302	...	Steep ascent	..... Purkatse spur.	.....	.....	Ditto Small village.
24	Suru ... <i>E.—</i>	6	...	308	...	.....	.....	.....	10624	S. G. F. moderate, W. plentiful, few coolies. Fort and village.

From Purkatse another road winds round the spur along right bank of river to Suru 12 miles long.

XVII JAMMU to LEH by BADRAWAR and ZANSKAR—

	Jammu <i>P.O., T. O., D.B., C.—</i>			0	Fair hill road passable for laden animals but stony.	Up Tawi valley.	Tawi ford	1200	S. G. F. W. abundant, F. dear, T. ample.	Capital of Jammu State, Military Cantonment, large town and bazar.
1	Pergulta <i>E.—</i>	10		10	.....	.....	.....	.....	S.G.F.W. procurable, few coolies.	Village.
2	Suruin Sar <i>E.—</i>	9		19	.....	.....	Suruin Sar L.	1825	S.G. F. W. procurable, few coolies.	Ditto.
	<i>Munwal</i>			28	.....	.....	.....	.....	.....	Ruins of Pandoo temples in vicinity.
3	Chian <i>E.—</i>	11		30	.....	.....	.....	.....	Ditto	Village.
				32	.....	Belai or Sunidhar range.	Silokad.			
				38	.....	Pulasu spur	.....		
4	Ramnagar <i>P. O., T. O., E.—</i>	13		43	Good road	Up Ramnagar valley.	.....	2700	S. G. F. W. plentiful, T. ample.	Capital of Ramnagar Jagir. Town, fort and bazar.
5	Korta <i>E.—</i>	9		52	.....	From Korta to Kroide	.....	.....	S.G.F.W. procurable, few coolies.	Village.
	<i>Kroide Garoo</i>			62	.....	Garoo road ascends spur and runs along high ridge	.....	.....
6	Dooder <i>E.—</i>	13		65	.....	Kalatil.	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOUT SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XVII	<i>ROUTE.—contd.</i> ...	13	...	65	...						
7	Asmas <i>E.—</i> ...	10	...	75	...	.....	Up Room-mutta valley.	.....	.....	S. nil, G. F. W. procurable, T. nil.	Halting place.
				78	...	Short deep descent and easy road.	Siwuldar or Seyagi.	.....	10148		
8	Badrawar <i>P. O., E.—</i> <i>Chinta</i> ...	12	...	87	...	Summer road follows high ridge to 2 miles beyond Jaora.	Down Neru valley.	Neru bridge	5427	S. G. F. W. abundant, T. ample.	Capital of Badrawar Jagir. Town, fort and bazars.
		...	...	90	...						
9	Jaora <i>E.—</i> ...	17	...	104	...	In winter lower road by Jagud is taken.	.....	.....	.....	S. G. F. W. plentiful, T. available.	Village.
				106	...	.....	Chira gully.				
10	Zanglwar <i>E.—</i> ...	8	...	112	...	Fair road	Up Chandra Bhaga valley.	Karney Gad bridge.	3670	S. G. F. W. procurable, T. available.	Ditto.
11	Joshni <i>E.—</i> ...	6	...	118	...	Road crosses numerous ravines and is bad in places.	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	Ditto.
12	Kishtwar <i>P. O., E.—</i> ...	15	...	133	...	.....	.....	.....	{ 5400 5000	S. G. F. W. plentiful, T. ample.	Town, fort, bazar, head-quarters of district.

13	Bagni	...	13	...	146	...	Difficult path high above river, crossing numerous side gorges with considerable ascents and descents, practicable for unladen ponies.	Up Chandra Bhaga valley left bank.	.....	.....	S. scanty, G. F. W. plentiful, T. available	Small village.
14	Piyas	..	11	...	157	...		.....	.....	6320	S. nil, G. F. W. procurable, T. nil.	Hamlet.
15	Siri	..	9	4	166	4		.....	.....	8700	Ditto	Ditto.
16	Atholi or Gulabgarh <i>E.—</i>		14	...	180	4	.....	Up Bhutna valley, open and well cultivated.	Chandra Bhaga rope bridge and Bhutna wooden bridge	6360	S.G. F. W. procurable, T. available.	Village and fort, chief place of Padar.
17	Kundhel Umshil		11	...	191	4	Easy path to Soomjam for laden animals.	.....	Bhutna bridge	7660	Ditto	Village.
18	Machail <i>E.—</i> <i>Sumjam</i>	...	11	...	202	4	.....	.....	.....	9700	Ditto	Ditto.
		...	..	...	207	...	.....	.....	.....	11000	.....	Sapphire mines in vicinity.
19	Bujwas	...	8	4	211	...	.....	.....	.....	11570	S. nil, G. F. W. procurable, T. nil.	

Hence there are three tracks to the Zanskar valley. Firstly, up the Kaosh nullah over the Hagshu La 16,600 feet down the Hagshu Tokpho, across the Zanskar valley over the Rulakun La 17,500 feet by Rulagoug, Linshot 12,850 feet to Yelchung 12,735 feet. Secondly, the route over the Umasi La 17,370 feet to Yelchung which follows, and thirdly, over the Muni La a deserted track leading direct to Padam and Yelchung. The Umasi La is usually open for 3 months, June to August, inclusive.

20	Bugjan Hiwan <i>E.—</i>	...	7	...	218	...	Steep ascent over snow to glacier, level plateau and steep descent.	.....	.....	15500	G. and W. procurable, F. S. T. nil.	Halting place.
					223	...		Umasi La or Bardhar.		17370		
21	Gowra <i>E.—</i>	...	13	...	231	...	.....	.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XVII	<i>ROUTE.—contd.</i>	...	13	..	231	...					
22	Ating	...	10	...	241	...	.....	.....	12020	S. G F. W. procurable, few coolies.	Village.
	<i>E.—</i>										
	<i>Tungring</i>	..	...	...	247	...					

Hence there are two routes down the Zanskar valley on either bank to Yelchung. A Jhula bridge at Tungring to left bank Doda river.

23	Seni Gonpa	...	9	...	250	...	Fair hill track, passable for laden animals.	Down Doda or Zanskar valley right bank.	.....	11560	Ditto	Ditto and temple.
	<i>E.—</i>											
24	Padam	...	9	...	259	...	.....	.....	Tsarap Lingti Chu or Sindu Jhula or rope bridge.	11373	S. G. F. W. procurable, few coolies, T. available.	Former capital of Zanskar, village and fort.
	<i>E.—</i>											
25	Thonde	...	9	...	268	...	.....	.....	.....	11460	Ditto, T. nil.	Small village.
	<i>E.—</i>											
26	Zozar	...	7	...	275	...	.....	.....	.....	11583	Ditto	Hamlet and bridge over Zanskar river.
	<i>E.—</i>											
27	Zangla	...	6	...	280	...	.....	.....	Sumdo.	11050	S. G W. plentiful, F. scarce, T. available	Village.
	<i>E.—</i>				281	...	.....	.....	.....	14530		
					289	...	.....	Chelong Labho	.....		
28	Khurma foo	...	13	...	294	...	Rough hill road passable for ponies.	.....	.....	13050	S. nil, G. F. W. procurable, T. nil.	Halting place.
	<i>E.—</i>											
29	Pangot	...	10	...	304	...	.....	.....	.....	16000	Ditto	Ditto.
	<i>E.—</i>				308	...	.....	Nira La,	.....		

30	Nira or Naerung <i>E—</i>	10	...	314 315 318 320	4 Chochu Bori La. Zanskar bridge. 10819 12730	Ditto S. precarious, G. F. W. scanty, T. nil.	Hamlet. Small village.
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Here the route leaves the Zanskar valley, although the most direct line would be down this river to its junction with the Indus river at Nimu. The Zanskar river from Yelchung down to Chiling is bordered by rugged and lofty cliffs, which are said to be inaccessible.

				325	.....	Singi La.	.....	16600		
32	Meling Photaksur <i>E.—</i>	...	..	328 336	.....	Fair hill road passable for ponies.	.....	13900	S. G. F. W. procurable, few coolies.	Village.
33	Honupatta <i>E—</i>	...	13	340 349	.....	Sirsir La Down Marling valley.	.....	16372 12400	S. G. F. scarce, W. plentiful, T. nil.	Ditto.
	<i>Phanjila</i>	...	...	356	3					
	<i>Tarchik</i>	...	...	359	.....				
34	Wanla <i>E.—</i>	...	12	361	.....	.....	.....	16900	S. G. F. procurable, W. plentiful, T. available.	Ditto.
35	Lamayuru <i>E.—</i>	...	6	367	.....	Good road passable for laden animals.	Prinkiti La	12500 11520	S. G. F. W. plentiful, T. available.	Village and monastery.
	<i>Khalsi</i>	...	...	375	.....	Up Indus valley right bank	Indus bridge.	10000		
36	Nurla <i>B, E—</i>	...	18	2	385	2	.....	.....	S. G. F. W. procurable, few coolies.	Village.
37	Saspul <i>B, E.—</i>	...	14	6	400	.....	.....	.....	Ditto, T. nil.	Small village.
38	Nimu <i>B., E.—</i>	...	11	4	411	4	.....	.....	Ditto, few coolies.	Village.
39	Leh <i>P. O., B. C., E.—</i>	...	18	2	429	6	.....	.....	S. G. F. W. plentiful, T. ample.	Capital of Ladak, town, fort & bazar.

From Zozar there is another difficult path to Leh north-eastwards over the Charcha La, Riberaug La and Kunda La, open only when the rivers are low. From Phanjila 356 miles 3 furlongs, a track branches off up the Ripchar nullah to Hinju 365 miles, over the Choke La 13,513 feet down the Sumda foote to Drogulika 375 miles, Ezas 384 miles, whence there are two ways to Leh; either up the Zanskar river and crossing the latter near Chiling to Skio 400 miles, 11,120 feet, over the Kunda La, 16,211 feet to Zinchan 420 miles, Chushot 436 miles, crossing by bridge over the Indus river 10,500 feet, and onwards to Leh 446 miles; or down the Zanskar and Indus rivers left bank by Umlung Goongma 402 miles, to Saspul 414 miles, crossing the Indus river by bridge at this place and onwards by Nimu 428 miles, to Leh 444 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						

XVIIa ATING to YELCHUNG by LEFT BANK DODA or ZANSKAR RIVER

22	Ating <i>E.—</i>	...	...	241	...	Easy path to Pidmu	Down Doda or Zanskar valley left bank.	.....	12020	S. G. F. W. procurable, few coolies.	Village.
23	Tungring	...	6	...	247	.....	.....	Doda bridge	.....	Ditto, T. nil.	Ditto.
24	Kursha	...	8	...	255	.....	.....	.....	.....	S. G. F. W. moderate, few coolies.	Large village, Lama Monastery.
25	Zozar left bank	...	12	...	267	.....	.....	.....	11583	S. G. F. W. procurable, T. nil.	Halting place.
26	Pidmu	...	11	...	278	.....	.....	.....	.....	Ditto	Village.
27	Hansmil	...	6	...	284	.....	.....	.....	.....	S. precarious, G. F. W. procurable, T. nil.	Hamlet.
					292	.....	Purfi La.	.....		
					293	.....	.....	Omachu.			
					295	.....	Khlangpu	.....		
28	Sneatse	...	13	...	297	.....	spur.	.....	.....	S. nil, G. F. W. scanty, T. nil.	Halting place.
					303	.....	Huloona La	.....	15453		
					304	4	.....	Luzungchu.			
					306	.....	Chupkun La.	.....		
29	Linshot	...	11	...	308	.....	.....	.....	12850	S. G. F. W. scanty, T. nil.	Small village.
					311	.....	Mitookse La.	.....		
					313	.....	.....	Sholo Kurpo-			
					315	.....	Kuba La.	chu.			
30	Yelchung <i>E.—</i>	...	10	...	318	.....	.....	.....	12730	Ditto	Ditto.

XVIII JAMMU to HANLE by CHAMBA—

	Jammu <i>P. O., T. O., D. B.—</i>	...	...	...	...	Fair hill road pass- able for laden ani- mals, rises up the range to the two mountain lakes and descends to Ramkot.	.....	.....	1200	S. G. F. W. abundant, T. ample.	Capital of Jammu State, Military Cantonment, large town and bazars.
1	Pergulta	...	10	...	10	.....	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	Small village.
2	Suruin Sar <i>E.—</i>	...	9	...	19	.....	Along Suruin hill range.	Suruin Sar L.	1825	S. G. F. procurable W. plentiful, T. nil.	Or by Munwal 9m., Tial 9m., Ramkot 9m.
3	Man Sar <i>E.—</i>	...	10	...	29	.....	.....	Man Sar L.	.....	S. G. F. procurable, W. plentiful, T. nil.	Lake and temple.
4	Ramkot <i>E.—</i>	...	16	...	45	Rough track pass- able for laden animals.	R a m k o t plain.	.....	.....	S. G. F. W. plentiful, T. available.	Fort.
5	Sambarta <i>E.—</i>	...	8	...	53 56	..... .....	Across Wooj valley.	..... Wooj ford.	2320	S. after notice, C. F. W. procurable, T. nil.	Village.
6	Padua <i>E.—</i>	...	7	...	60 62	..... .....	.....	..... Pine ford.	.....	S. G. F. W. plentiful, T. available.	Large village.
7	Mandpur <i>E.—</i>	...	8	...	68	.....	Up Ravi valley right bank.	.....	.....	S. after notice, G. F. W. procurable, few coolies.	Village.
8	Bisaoli <i>P. O., C. E.—</i>	...	11	...	79	Good road for laden animals.	.....	Ravi ford and ferry.	2170	S. G. F. W. abundant, T. ample.	Town, fort and bazar on right bank Ravi.
9	Mail <i>E.—</i>	...	6	...	85	.....	.....	.....	.....	S. G. F. W. plentiful, T. available.	Village.
10	Rampur <i>E.—</i>	...	12	...	97	.....	.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.								
		m.	f.	m.	f.						
XVIII	<i>ROUTE.—contd.</i> ...	12	...	97	...						
11	Chamba <i>P. O., D. B., C. E.—</i> ...	14	...	111	...	.....	.....	Ravi bridge	3033	S. G. F. W. abundant, T. ample.	Capital of Chamba State. Large town and bazars.
12	Rakh <i>D. B., E.—</i> ...	12	...	123	...	.....	.....	.....	.....	S. G. F. W. plentiful, T. available.	Village.
13	Chitrali <i>E.—</i> ...	10	...	133	...	.....	.....	.....	5883	Ditto	Ditto.

From Chitrali there are two routes to Tandi at the junction of the Chandra and Bhaga rivers, one by the Kukti pass, the other by the Bara Bhagal pass as under : though on the latter, a difficult glacier has to be crossed 8 miles long. Both passes are impracticable for ponies.

BY KUKTI PASS:—

14	Oolasa ...	11	..	144	...	Fair hill track	Up Barmaor branch of Ravi valley.	Ravi bridge	.....	S. G. F. W. procurable, T. available.	Village.
15	Barmaor <i>P. O.—</i> ...	10	...	154	...	.....	.....	.....	7076	S. G. F. W. plentiful, T. available.	Large village.
16	Harsa ...	10	...	164	...	.....	.....	.....	6650	S. F. G. W. procurable, T. available.	Village.

17	Kukti <i>F. B.</i> —	...	12	...	176	...	Difficult path	.....	Kukti pass Chandra Bhaga valley.	.....	17400	Ditto	Ditto.
18	Rupeh <i>Lota</i>	...	25	...	201	...	.....	.....	.....	Chandra Bhaga bridge	.....	Ditto	Ditto.
19	Tandi	...	12	...	213	...	.....	.....	.....	.....	.....	Ditto	Ditto.
OR BY BARA BHAGAL PASS. —													
14	Chanota	...	12	...	140	...	Fair hill track	.....	Hulaus ridge. Up Ravi valley.	.....	.....	S. G. F. W. plentiful, T. available.	Village.
15	Sutket	...	9	...	154	...	.....	.....	.....	.....	.....	Ditto	Ditto.
16	Chanair <i>Kunaur</i>	...	12	...	166	...	.....	.....	.....	Ravi bridge	.....	S. G. F. W. procurable, T. available.	Ditto.
17	Bara Bhagal	...	16	...	182	...	Very difficult path	.....	.....	.....	8535	Ditto	Ditto.
18	Camp	...	12	...	194	...	.....	.....	.....	.....	.....	S. F. T. nil, G. W. plentiful.	Halting place.
19	Tandi	...	18	...	200	...	.....	.....	Bara Bhagal pass.	.....	.....	S. G. F. W. procurable, T. available.	Village.
20	Kalling(Kardang) <i>P. O., B., E.</i> —	...	5	...	212	...	Good road passable for laden animals to the Tsarap valley.	.....	Up Bha ga valley right bank.	.....	.....	S. G. F. W. plentiful, T. available.	Chief place Lahoul, Moravian Mission. D. E. at Kardang on left bank of Bhaga river.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XVIII	<i>ROUTE.—contd.</i> ...	5 ...	218 ...						
21	Kulang ... <i>E.—</i>	12 ...	230 ...	.....	.....	.....	.....	S. G. F. W. procurable, T. procurable.	Village.
			238 ...	.....	.....	Kada Tokpo bridge.			
22	Sumdeo Darcha ... <i>C, E.—</i>	10 ...	240 ...	.....	.....	.....	10844	Ditto	Ditto, last on road.
23	Patsio ... <i>C, E.—</i>	9 ...	249 ...	.....	.....	Bhaga bridge	12464	S. T. nil, G. F. W. plentiful.	Encamping ground for traders.
	<i>Tapachand</i> ...	... ..	255 ...	.....	.....	.....	.....
24	Zing Zingbar ... <i>Hut.—</i>	8 ...	257 ...	.....	.....	Bhaga bridge	.....	S. G. F. T. nil, W. plentiful.	Halting place on road to Bara Lacha pass. Pasture across river.
25	Suruj Dul ...	6 ...	263 ...	Gradual ascent and descent.	.....	Chukum L. Yunan Tso L.	..... 15417	S. T. nil, W. plentiful, G. F. available.	Ditto.
			270 ...	.....	Under Bara- lacha pass not crossed.				
26	Kenlung ...	12 ...	275 ...	.....	Down Yunan valley.	Yunan bridge.	... ..	Ditto	Ditto.
	<i>Phalangdanda</i> ...	... ..	283 ...						

27	Sarchu (Lingti) ... <i>E.—</i>	13	...	288	...	.....	Sarchu bridge	.....	S. T. nil, W. plentiful, G. F. available.	Boundary of Lahoul and Ladak, at junction of Lingti and Yunan rivers.
	<i>Zamdung Zampa</i>	...	...	293	...	.....	Up Tsarap or Maling valley.	.....	
28	Lama Guru	13	...	301	...	Track becomes more difficult and is used by men, sheep and goats.	.....	.....	Ditto	Halting place.
29	Thung Chung Kiri	13	...	314	...	.....	.....	Maling bridge.	Ditto	Ditto.
30	Tso Kum	17	...	325 331	...	.....	Pangpo La Down Lank- pol valley.	17500	Ditto	Ditto.
31	Khiang Shisa	12	...	343	...	.....	.....	.....	S. T. nil, G. F. W. procurable.	Hamlet.
				350	...	Gentle descent from Pangpo La to Tso Morari Lake	Down Phirse foo valley.	Phirse foo.		
32	Latek	14	...	357	...	.....	.....	.....	S. G. F. T. nil, W. procurable.	Halting place.
	<i>Khulmoche</i>	...	...	363	...	.....	.....	.....
33	Kiangdom	16	...	373	...	.....	.....	Tso Morari Lake.	G. W. scanty, F. S. T. nil.	Plain at south end of Lake.
				377	...	.....	.....	Phirse foo.		
				383	...	Easy track	Narbu La. Across head of Parechu valley.	.....	
34	Lam Tso	20	...	393	...	.....	.....	.....	S. G. F. T. nil, W. procurable.	
35	Larsa-le	13	...	406	...	Easy ascent and descent, stony path.	.....	.....	S. G. T. nil, F. W. procurable.	
				409	...	.....	Lenak La down Kongrachu.	18100	.....	Two tracks over this pass.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XVIII	<i>ROUTE.—contd.</i> ...	...	...	409	...					
36	Gongra-le ...	11	...	417	...	.....	.....	.....	S. G. T. nil, F. W. procurable.	
	<i>Togra-le</i> ...	...	...	422	...	Swampy track in places.				
37	Sango Plain ...	15	...	432	...	.....	Up Hanle valley	.....	S. F. and T. nil, G. W. procurable.	
38	Hanle ...	14	...	446	...	.....	left bank.	14276	S. G. F. W. procurable, T. available.	Village, large monastery, headquarters of district.
	<i>E.—</i>										

From Gongra-le there is a path direct to Hanle over the high table land, Thungangeri plain, about 20 miles in length.

XVIII_a ALTERNATIVE ROUTE from TANDI to HANLE by SPITI—

19	Tandi ...	...	...	215	...	Fair hill road passable for mules, which must swim across Chandra river at Kokser.	Up Chandra valley right bank.	Bhaga bridge	.....	S. G. F. W. plentiful, T. available.	Village.
	<i>E.—</i>										
20	Gundla ...	8	...	221	...		.....	.....	10514	S. G. F. W. procurable, few coolies.	Ditto.
	<i>E.—</i>										
21	Sisu ...	9	...	230	...		.....	.....	9938	Ditto	Small ditto.
	<i>E.—</i>										
22	Kokser ...	10	...	240	..	.....	Ditto left bank.	Chandra rope bridge.	10261	Ditto	Ditto.
	<i>E.—</i>										

23	Chahtru opposite Old Kokser. <i>E.—</i>	13	...	253	...	Road difficult in places and stony.	.....	.....	.. ..	S. nil, G. F. W. procurable, T. nil.	Halting place.	
24	Puti Runi <i>E.—</i>	...	12	...	265	...	.....	.....	.....	Ditto	Ditto.	
					268	...	.....	.....	.....
25	Karcha <i>E.—</i>	...	11	...	276	...	.....	.....	.....	Ditto	Ditto.	
					280	...	Easy ascent and descent.	Kunzam pass Down Lichu ravine.	..... .....	14931	Ditto	Ditto.
26	Loisar <i>E.—</i>	...	16	...	292	...	Fair road	Down Spiti valley.	Spiti ford	12395	S. G. F. precarious, W. procurable, few coolies.	Village.
27	Kioto <i>E.—</i>	...	12	...	304	...	.....	.....	.....	.....	Ditto	Small ditto.
					308	...	.....	Up Lagurdasi valley.	.....	.....
28	Lagudarsi <i>E.—</i>	...	11	...	315	...	Road difficult, not passable for laden mules.	.....	.....	.....	W. procurable, T. nil	Halting place.
					320	...	.....	Takling La or Suma La.	.....	.....
29	Dakar Kuru <i>E.—</i>	...	19	...	334	...	.....	Down Parechu valley.	.....	.....	Ditto	Ditto.
30	Tradang <i>E.—</i>	...	15	...	349	...	.....	.....	.....	.....	Ditto	Ditto.
31	Narbu Sumdo <i>E.—</i>	...	9	...	358	...	Bad path	Right bank	.....	15300'	Ditto	Ditto.
32	Chumar <i>E.—</i>	...	18	...	376	...	.....	Down Parechu valley.	Parechu	.....	S. G. F. precarious, W. procurable, T. nil.	Lama monastery.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XVIII	<i>a ROUTE.—contd.</i> ...	18	...	376	...						
33	Chepzi ...	10	...	386	...	.....	Up Kyumsan Lung.	.....	.....	S. G. F. precarious, W. procurable, T. nil.	Chinese frontier.
34	Nakkerole ...	9	...	395	...	.....	.....	.....	.....	W. procurable, T. nil	Spring do.
				402	...	.....	Kyung Zing La.				
35	Kar-Le ...	17	...	410	...	.....	.....	Hanle ford.	.....	Ditto	Halting place.
				412	...	.....	.....	.....	.....
36	Trakarpo ...	12	...	419	...	.....	Nara pass.	.....	.....	Ditto	Ditto.
	<i>E.—</i>			424	...	.....	.....	.....	.....
				429	...	.....	.....	Hanle ford.	.....	
37	Hanle ...	10	...	434	...	.....	.....	.....	14276	S. G. F. W. procurable, T. available.	Village and Buddhist Monastery on left bank Hanle river.
	<i>E.—</i>										

Between Kioto and Narbu Sumdo there is an alternative track by the Parang La as under, open from July to September inclusive, the scenery wild and magnificent.

27	Kioto ...	...	...	304	...	Track fit for men and yaks only.	.....	.....	.....	S. G. F. precarious, W. procurable, few coolies.	Small village.
				305	...	.....	.....	Lagudarsi	.....	

28	Kiwar	...	15	...	319	...	.....	.....	.....	13400	S. G. F. W. and T. available.	Large village.
29	Jugtha	...	12	...	331	...	Steep and rough ascent and four miles of glacier on descent.	.....	.....	16000	G. F. W. procurable, T. nil.	Halting place.
30	Dutung	...	10	...	341	...	.....	Parang La	.....	18300	W. procurable.	Ditto.
31	Umdung	...	17	...	358	...	.....	.....	.....	.....	Ditto	Ditto.
32	Narbu Sumdo	...	20	...	378	...	.....	.....	.....	15300	G. F. W. procurable, S. T. nil.	Ditto.

From Kiwar 319 miles down Spiti valley right bank, in a S. E. direction Ki Monastery 324 miles, Kaja 331 miles, Lara 339 miles, and Dankar 12,774 feet 347 miles, chief place of Spiti are reached.—S. G. F. W. and T. available throughout.

XIX JAMMU to HURDWAR by SIMLA—

	Jammu <i>P. O., T. O., D. B.,—</i>	...	..	0	...	.....	.....	Across Tawi drainage.	.....	1200	S. G. F. W. abundant, T. ample.	Large town, cantonment and capital of Jammu State.
				1	4	.....	.....	.....	Tawi bridge.			
1	Ismailpur	...	12	...	12	...	Track across undulating country at foot of hills, broken by ravines and well cultivated.	Across Degh drainage.	.....	.....	S. G. F. W. scarce, T. nil.	Hamlet.
				23	...	.....	.....	.....	Balantha ford.			
2	Samba <i>E.—</i>	...	13	...	25	...	.....	.....	.....	.....	S. G. F. W. moderate, T. available.	Small town and tehsil.
3	Aleh	...	12	..	37	...	.....	Across Ravi drainage.	.....	.....	S. G. F. W. scarce, T. nil.	Hamlet.
4	Jasrota	..	12	...	49	...	.....	.....	Chalybeate spring, Woojh ford.	.....	S. G. F. W. procurable, T. available.	Small town and bazar, head quarters of district.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE		TOTAL.							
		m.	f.	m.	f.						
XIX	<i>ROUTE.—contd.</i> ...	12	...	49	..						
5	Kuttoah ... <i>P. O.—</i>	12	...	61	...	.....	.....	.....	S. G. F. W. plentiful, T. ample.	Small town and tehsil on right bank of Ravi river.	
				64	...	.....	.....	Ravi ferry.		Bazar and canal workshop.	
6	Madhopur ... <i>P. O., D. B., E.—</i>	6	...	67	...	Road fit for wheel- ed traffic during year.	.....	.....	1137	Ditto	
7	Puthankot ... <i>P. O., T. O., hotel, C., E.—</i>	8	...	75	...	.....	.....	.. ..	.. ..	Ditto	
				81	...	.....	.....	Chukee bridge		Bazar and ter- minus of branch railway from Amritsur.	
8	Nurpur ... <i>P. O., D B, E.—</i>	16	...	91	...	Fair weather, cart- road through low hill country, well cultivated.	Across Beas drainage.	.....	2050	S. G. F. plentiful, W. scarce and bad, T. ample.	Town and bazar, old fort.
9	Kotla or Trilok- nath. ... <i>P. O., B., E. small.—</i>	14	...	105	...	.....	.....	Daira bridge	3184	S. G. F. procurable, water plentiful, T. available.	Ancient town.
				107	4	.....	.....	Burhal bridge.			
10	Shahpur ... <i>P. O., B., E. fair.—</i>	11	...	116	...	.....	.....	Khouli bridge.	3148	Ditto	Village.
				120	...	.....	.....	Guj nullah			
				124	...	.....	.....	Manji nullah.			

11	Kangra <i>P. O., D. B., E. fair—</i>	13	...	129	...	.....	.....	.....	2419	S. G. F. W. plentiful, T. ample.	Fort on top of rock 150 feet above Bangunga.
				136	4	.....	.....	Bangunga nullah.			
12	Ranital <i>B., C.—</i>	9	..	138	...	.....	.....	.....	.....	S. G. F. W. procurable, T. nil.	Small village.
13	Jualamukhi <i>B., C., E.—</i>	11	4	149	4	.....	.....	Naphtha springs under Changa mountains. Beas ferry	1883 } 3284 }	S. G. F. W. plentiful, T. available.	Small town, celebrated place of pilgrimage.
14	Nadaon <i>P. O., E.—</i>	6	4	156	...	Good road through low hill country, well cultivated, pretty scenery.	Across Beas drainage	Beas ferry Koman nulla.	.. ..	S. G. F. W. plentiful, T. ample.	Small town on left bank Beas.
				161							
15	Hamirpur <i>P. O., B.—</i>	14	2	170	2	.....	Across Sutlej drainage.	.....	.....	S. G. F. after notice, W. plentiful, T. nil.	Village.
	<i>Mairki Hati</i>	...	...	180	...						
16	Dangoh	16	...	186	2	.....	.....	.....	.....	Ditto	Small village.
17	Kunar Hati	8	...	194	2	Fair hill road	.....	Sher Khud	.....	S. G. F. after notice, W. plentiful, T. nil.	Ditto.
18	Belaspur <i>E. extensive.—</i>	9	...	203	2	Good broad road	.....	Sutlej ferry	.....	S. G. F. W. plentiful, T. available.	Town on left bank Sutlej, bazars.
	<i>Bujune</i>	...	...	213	5	.....	.....	.....	.....	S. G. F. scarce, W. procurable, T. nil.	Hamlet.
19	Sahiki Hati	21	6	225	...	Road fair with steep ascent.	Ascending spur.	.....	.....	S. G. F. after notice, W. plentiful, T. nil.	Village.
	<i>Kuniar</i>	...	...	236	...	.....	.....	.....	.....	Ditto	Small village.
20	Sairi <i>B., E. small.—</i>	20	...	245	...	Road fair for laden animals.	Along ridge of spur.	Ghumber bridge.	.....	S. G. F. W. procurable, T. nil.	Small bazar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XIX	<i>ROUTE.—contd.</i>	20	...	245	...						
21	Simla <i>P. O., T. O., hotels, C.— Sanjoli</i>	10	...	255	...	.....	.....	.....	7084	S. G. F. abundant, W. scarce, T. ample.	Summer Capital of India. Large town and bazars.
22	Phagu <i>B.—</i>	12	...	267	...	Road good, through Tunnel, thick forest, with fine scenery.	.....	.....	8178	S. G. F. procurable, W. scarce in dry season, few coolies.	Small bazar.
				273	4		Across Giri drainage.				
23	Sainj	8	...	275	...	.....	.....	Giri ford.	8300	S. G. F. W. procurable few coolies.	Village, Bunniahs' shop half mile off.
24	Dhar or Godhna	7	...	282	...	Along top of spur through oak forest.	.....	.....	.....	Ditto	Small village.
25	Patar nala	6	..	288	...	.....	Across Tonse drainage.	.....	9368	S. nil, G. F. W. procurable, T. nil.	Hamlet.
26	Chipal	10	...	298	...	.....	.....	.....	7695	S. scarce, G. F. W. procurable, few coolies	Village.
27	Piantra or Kedi	11	...	309	...	.....	.....	.....	.....	Ditto	Small village.
		...	...	311	...	.....	.....	Shallu ford.	.....	

28	Tikri or Pehri ...	8	...	317	...	Fair hill road through forests and beautiful scenery through precipitous country.	Across Tonse drainage.	.....	.....	S. scarce, G. F. W. procurable, T. nil.	Village.
29	Mandholi ...	5	...	322	..			.....	.....	Ditto	Ditto.
	<i>B.—</i>										
	<i>Zewni</i> ...	...	...	327	...						
30	Maindrot ...	9	...	331	..	.....	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	
	<i>F. B., E. good.—</i>										
31	Kutiyan ...	9	...	340	...	.....	Jakna Leni	.....	..	Ditto, W. far off.	
	<i>F. B.—</i>										
	Lokur ...	...	...	346	..	.....	Across Jumna drainage.	.....	.....	Ditto, W. near.	
	<i>F. B.—</i>										
32	Kinanipani ...	12	...	352	...	Road good, easy gradient top of ridge between Tonse and Jumna.	.....	.....	.....	Ditto.	
	<i>E. extensive—</i>										
	Deobun ...	...	...	363	...		.....	.....	9000		
	<i>F. B.—</i>										
33	Chakrata ...	15	...	367	...	.....	.....	.....	7364	S. G. F.W. plentiful, T. ample.	Military Cantonment.
	<i>P. O., B.—</i>										
34	Pokri ...	9	4	376	4	Good hill road fit for riding and laden animals.	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	Usual halting place.
	<i>B.—</i>										
	Shevalia ...	...	...	379	4		.....	.....	.....	Ditto	
	<i>D. B.—</i>										
35	Nagtat ...	8	...	384	4	.....	.....	.....	.....	Ditto.	
36	Lakwar ...	7	...	391	4	.....	.....	.....	.....	S. G.F.W. procurable, few coolies.	Village.
	<i>B.—</i>			395	...	.....	.....	Jumna bridge iron suspension.	.....	
37	Masuri or Landour ...	17	4	409	...	Good hill road	.....	.....	6580 } 7433 }	S.G.F.W. abundant, T. ample.	Hill sanatorium, convalescent depôt, town and bazar.
	<i>P.O., T.O., hotels, C.</i>										

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLINGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA-LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XIX	<i>ROUTE—contd.</i> ...	17	4	409	...						
38	Rajpur ... <i>P. O., hotels, C.—</i>	7	4	416	4	Metalled cart-road	.....	.. ...	.....	S. G. F. W. abundant, T. ample.	Small town.
39	Dehra ... <i>P.O., T.O., hotels, C.</i>	7	...	423	4	.....	.....	.....	2347	Ditto	Military Cantonment, Civil Station, town and bazar.
40	Lachiwala ...	10	6	434	2	Fair weather, rough	Down Ganges	.....	1680	S. G. F. W scarce, T. nil.	
41	Kunsrao ...	8	...	440	4	cart-road.	drainage.	Suswa ford.	1360	Ditto.	
42	Hurdwar ... <i>P.O., T.O., D.B., C., E.</i>	12	...	442	2	.....	.....	.....	1050	S. G. F. W abundant, T. ample.	Small town and bazar, celebrated bathing ghat on Ganges river.

XIX_a ALTERNATIVE ROUTE from JAMMU to PUTHANKOT—

	Jammu ... <i>P. O., T. O., D. B.—</i>			0	...	.....	.....	.....	1200	S. G. F. W. abundant, T. ample.	Capital of Jammu State, cantonment, town and bazars.
1	Bishenath ...	11	...	1	4	Rough cart-road	Across Chenab	Tawi bridge.			
	<i>Keri</i> ...	...	...	7	...	.....	drainage.	Balal ford.	.....	S. G. F. W. procurable, T. nil.	Village.
				11	...	.....	.....	.....
				15	...	.....	.....	Aik ford.			

2	Bagalade Chuk...	11	...	22	...	Track across flat, open and cultivated country.	.....	.....	Ditto	Small village.
				26	...		.....	Degh ford.		
3	Rajpur	...	13	...	35	.....	Across Ravi drainage.	.....	Ditto	Village.
				37	...	.....		Beyn ford.		
4	Rampur	...	12	...	47	.....	.....	.....	Ditto	Small village.
				50	...	.....	.....	Oojh ford.		
5	Kuttoah <i>P. O.—</i>	...	13	...	60	.....	.....	.....	S. G. F. W. plentiful, T. ample.	Small town and tehsil.
				63	...	.....	.....	Ravi ferry.		
6	Madhopur <i>P. O., D. B., E.—</i>	...	6	...	66	...	Road fit for wheeled traffic during year.	1137	Ditto	Bazar and canal workshop.
7	Puthankot <i>P. O., T.O., hotel, C. E.—</i>	...	8	..	74	Ditto	Bazar and terminus of branch railway from Amritsur.

XX JAMMU to LUDIANA by GURDASPUR and HOSHIARPUR—

	Jammu <i>P. O., T. O., D. B.—</i>	...	...	0	...	Rough cart-road over cultivated country.	Across Tawi drainage.	.....	1200	S. G. F. W. abundant, T. ample.	Capital Jammu State, cantonment, town and bazar.
				1	4	.....	.....	Tawi bridge.			
				6	..	.....	.....	Balal ford.			
1	Bishenath	...	11	...	11	Across Aik drainage.	S. G. F. W. procurable, T. available.	Village.
				15	Aik ford.				

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XX	<i>ROUTE—contd.</i>	...	...	15	...						
2	Saidgurh	12	...	23	...	Track across open country.	Across Degh drainage.	.....	.....	S. F. nil, G. W. procurable, T. nil.	Hamlet.
				27	...	.....	.....	Degh ford.			
3	Zafarwal <i>E. nil.—</i>	10	...	33	...	Cart-road well raised, nullas overflow during the rains and are difficult to cross.	Across Ravi drainage.	.....	.....	S. G. F. procurable, W. plentiful, T. available.	Large village.
4	Ghurib Shah <i>E. good.—</i>	9	4	42	4	.....	.....	.....	.....	S. G. F. after notice, W. plentiful, T. nil.	Small village.
				45	...	.....	.....	Keri river.			
				49	...	.....	.....	Choa river.			
5	Nurkikot <i>E. good.—</i>	9	2	51	6	.....	.....	.....	.....	Ditto	Village.
				55	...	.....	.....	Beyn ford.			
6	Nynakot <i>E. good.—</i>	8	3	60	1	.....	.....	.....	.....	Ditto	Ditto.
				64	...	.....	.....	Ravi ferry.			
7	Trimu Ghat <i>E. one mile from river.—</i>	5	...	65	1	Road metalled and bridged, flat, open country, fairly cultivated.	.....	.....	.....	Ditto	On left bank Ravi.

8	Gurdaspur ... <i>P. O., T. O., D. B., E. good.—</i>	9	6	74	7	.....	.....	.. ..	.....	S. G. F. W. abundant, T. ample.	Small civil station and railway station on branch line from Amritsur.
				76	4	.....	Across Beas drainage.	Ravi canal.			
				79	...	.....	.....	Baree Doab Canal.			
9	Nowshera Ghat.. <i>E. good near river.—</i>	10	2	85	1	Road unmetalled and nullahs un- bridged, good in fair weather; flat, open and well cultivated country, along foot of Sohan range.	.....	Beas ferry.	.....	S. G. F. procurable in vicinity, W. plenti- ful, T. nil.	On right bank Beas.
10	Mokerian ... <i>P. O., E. good.—</i>	5	2	90	3	.....	.....	.....	.....	S. G. F. procurable, W. plentiful, T. available.	Small town.
11	Dussohah ... <i>P. O., E. good.—</i>	9	...	99	3	.....	Across large number of ravines, roads and nullahs from the Sohan hill range.	.....	.....	Ditto	Village. Hence road to Jullunder 37½ miles south.
12	Ghurdeewala ... <i>E. good.—</i>	7	7	107	2	.....	.....	.....	.....	Ditto, T. nil.	Small village.
13	Hurriana ... <i>P. O., E. good.—</i>	9	1	116	3	.....	.....	.....	.....	Ditto	Village.
14	Hoshiarpur ... <i>P. O., D. B., C. E. confined.—</i>	8	4	124	7	Unmetalled road fit for wheeled traffic.	Flowing southwards.	Chow.	1066	S. G. F. W. plentiful, T. ample.	Small civil station.
15	Muhtianah ... <i>E. good.—</i>	12	...	136	7	.....	.....	.....	.....	S. G. F. W. procurable, T. available.	Village.
				142	...	.....	.....	Beyn ford.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XX	<i>ROUTE—contd.</i>	...	...	142	...					
16	Phugwara	11	2	148	1	.....	Across Sutlej drainage.	.....	.....	S. G. F. W. plentiful, T. available. Large village and station on N. W. main line.
17	Phillour <i>P. O., T. O.—</i>	11	6	159	7	Grand Trunk road and N. W. Railway.	... ..	.....	.....	S. G. F. W. plentiful, T. ample. Fort, town and station on N. W. main line.
				163	...	.....	.....	Sutlej bridge of boats and ferry.		
18	Ludiana <i>P. O., T. O., D. B., C. E. confned.—</i>	9	4	169	3	.....	.....	.....	.....	S. G. F. W. plentiful, T. ample. Large city, civil station and railway station on N. W. main line.

From Zafarwal there is an alternative track to Nynakot thus : Zafarwal 33 miles, Sheikopur Chak 43 miles, Shukargurh 53 miles and Nynakot 61 miles 5 ft. From Gurdaspur there is an alternative route to Hoshiarpur thus : Gurdaspur 74 miles 7 furlongs, Satali 87 miles, Beyt ferry over Beas river 99 miles, Tandah 107 miles, Bulawal 119 miles, Hoshiarpur 129 miles. From Tandah, however, to Hoshiarpur, the road is bad across broken country. From Tandah 107 miles a branch road by Kalabukra 120 miles, to Jullundur 134 miles. From Dussolah there is a good branch road to Jullundur thus : Dussolah 99 miles 3 furlongs, Tandah 110 miles 1 furlong, cross Beyn river twice, Kalabukra 123 miles 1 furlong, Jullundur 137 miles 1 furlong. From Hoshiarpur there is a metalled and bridged road to Jullundur thus : Hoshiarpur 124 miles 7 furlongs, Adumpoor 138 miles 1 furlong, Jullundur 149 miles 1 furlong, crossing the Beyn bridge at 139 miles.

XXI POONCH to JAMMU by RAJAORI—

1	Poonch <i>P. O., D. B., E.—</i>	...	...	0	...	Fair hill road pass- able for laden animals through- out, parts in this section cut up by recent high floods.	Up Suran valley.	.....	3300	S. G. F. W. abundant, T. ample.	Town, fort, bazar and capital of Poonch State.									
	Suran <i>B., E.—</i>	...	14	...	2			4	.....			Dungli bed.	4300	S. G. F. procurable, W. plentiful, T. scanty.	Small village.							
		<i>Biftiaj</i>	...	...	6			...	.....			Mandi ford.							
			...	...	14			...	...			.....				Suran bridge			
...	...	...	16	...	22	.....	Ditto	7000	.....	.....											
...	...	...	22	...	26	.....	Ditto													
2	Thanna Mandi <i>B.—</i> <i>Saj</i> <i>Futehpur</i>	...	16	...	30	...	Last mile of ascent steep, descent easy.	Milidheri gulli.	.....	.....	.....	Road to Baram- galla.								
													28	4	4580	S. G. W. F. T. plentiful.	Bazar and trade depôt.	
													...	...	31	...	.....	.....	.....
													38	Tohi ford.	Imperial serai on top of hill.
													41	Imperial serai.	
...	...	42	...	.....	.....	.....	Durhal ford.	.....	.....												
3	Rajaori (Rampur) <i>P. O., B., E.—</i>	14	...	44	...	.....	.....	.....	.....	.....	S. G. F. W. T. plentiful	Small town, tehsil, bazar, stone built.							
													46	4	3094		
													...	...	47	4	.....	.....	.....	
													...	...	50	...	.....	.....	.....
4	Sialsui <i>B., C., E.—</i>	...	14	...	58	...	.....	.....	.....	.....	S. scarce, G. F. W. procurable, T. scanty.	Small village.							
													...	...	59	...	.....	.....	.....
													...	...	66	...	.....	.....	.....
5	Dharmsal <i>B., C., E.—</i>	...	10	...	68	.....	.....	.....	.....	.....	S. G. F. procurable, W available, T. scanty.	Ditto.							
																
							Dharmsal spur Across Rud drainage.	.....	.....	.....										

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XXI 6	<i>ROUTE—contd.</i> ...	10	...	68	...	Rough and stony road in crossing both ranges to Aknoor, narrow and steep at the passes.	.....	Rad bridge.	1460	S. scarce, W. plentiful, T. nil.	Village one mile distance from Baradari.
	Thandapani ... <i>B., C., E—</i>	10	...	78	...		Kalidhar range.	Koonar Kud.	2150	S. G. F. after notice, W. procurable, T. nil.	
7	Choki Chowra ... <i>E—</i>	12	4	90	4	Rough cart-road after crossing the Chenab river.	.....	Chenab ferry.	1123	S. G. F. W. plentiful, T. available.	Halting place.
8	Aknoor ... <i>P. O., F.B., C., E—</i>	13	4	104	...		Chenab valley	Chenab ferry.	1123	S. G. F. W. plentiful, T. available.	Small town, fort and bazar on right bank Chenab.
9	Jammu ... <i>P.O., T.O., D.B., C., E.</i>	16	...	120	...	Tawi valley.	.....	.....	1200	S. G. F. W. and T. ample.	Large town, bazar and capital of Jammu State.

This old Imperial road is at present in use for the march of troops.

From Rajaori 44 miles a track branches off eastwards up the Kandal nullah to Piri 56 miles across the Jaoli spur to Obhi on the Ans river 65 miles, and crossing the latter the road goes to Budil 76 miles.

About three miles east of Sialsui is a Tatapani or hot spring, which is much frequented locally for cure of rheumatism, &c. There is a coal outcrop close by and others at Kalakot, Seri, Mehugala, &c. in the vicinity. This appears to have been the locality visited by Mr. Vigne and mentioned by him in his book ; the place is worth seeing.

XXIa POONCH to RAJAORI by BHIMBER GULLI—

	Poonch ... <i>P. O., D. B., E.—</i>	0	...	Fair road to Chilas, stony hill track on ascent to gulli, easy descent.	Suran ferry.	3300	S. G. F. W. and T. ample.	Town, fort, bazar and capital of the Poonch State.
				5	...		Chilasi gulli	4500		

	<i>Gani</i>	...	...	9	...							
1	Sagra	...	12	...	12	...	Good road along the valley passable for laden animals.	Up Mehndur valley right bank.	.....	2800	S. G. F. W. and T. procurable.	Village.
	<i>Mankot</i>	...	...	...	15	...						
	<i>Sukhi Sarwar</i>	...	...	...	20	...	.....	.....	Tatti baoli	.....	.....	Ancient temple in ruins.
2	Dharmisal	...	9	...	21	...	Gentle ascent to pass along the Tar ridge and easy descent down Charkot valley, crossing numerous ravines.	.....	Mehndur ford	3100 [*]	Ditto	Large village and tehsil.
	<i>E.—</i>				27	...		.....	Narayan baoli	4650	.....	Spring pure water
					29	...		Bhimber gulli	.....	5170		
3	Petrara	...	12	...	33	...		Down Charkot valley	Cross Charkot river several times.	.....	S. and T. precarious, G. F. W. procurable.	Small village.
4	Rajaori	...	12	...	45	...	.....	.....	.....	3094	S. G. F. W. and T. plentiful.	Small town, bazar, tehsil, stone built.

This route is usually taken in winter when the Milidheri pass 7,000 feet, above Biffliaj, is closed by snow.

The water in this Mehndur valley is not of good quality, though drinkable.

In the first march, the camp can be pitched at Gani about one mile beyond the pass, if preferred. Supplies not procurable, but all else can be furnished.

Good water available at Tatti baoli built by Raja Buldeo Singh and at Narayan baoli built by order of Maharaja Golab Singh.

The ordinary route from Poonch, after crossing the Suran river, follows down the left bank of this river to its junction with the Mehndur river and ascends the right bank of the latter to Sagra, distance 18 miles passable for laden animals.

The hill range between the Suran and Mehndur rivers may be crossed at other gullies, which though higher, give a more direct line between Poonch and Dharmisal.

An alternative route is up the Suran right bank to Suran, where cross river by bridge, ascend the Gerawali pass, and go across three intervening spurs by Parat to the Sangiot gulli, thence descend down the Sangiot nala, which falls into the Charkot river, one march above Rajaori.

Cross roads go from Dharmisal northwards to Suran, by Uri and the Gosai pass 5,150 feet, 12 miles long, and by Herin and the Gerawali pass 5,230 feet, 12 miles long; the latter is said to be the best for ponies.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.		
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>								
XXII POONCH to GUJRAT by RAJAORI—											
	Poonch ... ..	...	0	...	Fair hill road, passable for laden animals throughout. Parts in this section cut up by recent high floods.	Up Suran valley.	.. ...	3300	S. G. F. W. abundant, T. ample.	Town, fort, bazar and capital of Poonch State.	
	<i>P. O., D. B., E.—</i> ... ..	...	2	...		.....	Dungli bed				
		...	6	...		.....	Mandi ford.				
1	Suran	14	14	...	Last mile of ascent steep, descent easy.	.....	Suran bridge	4300	S. G. F. procurable, W. plentiful, T. scanty.	Small village.	
	<i>B.—</i> ... ..	...	16	...		.....	Ditto				
	<i>Bifliaj</i> ... ..	...	22	...		Milidheri gully.	Ditto	7000			
2	Thanna Mandi	16	30	...	Old made road in fair order, kept up to Naoshera and much used by traders.	Down Tohi valley left bank.	.....	4580	S. G. F. W. T. plentiful.	Imperial serai, bazar and trade depôt. Imperial serai on top of hill. Imperial serai.	
	<i>B., C.—</i> ... ..	...	31	...		.....	Tohi ford.	.....		
	<i>Sej</i> ... ..	...	38	...		.....	.....	.....
	<i>Futtehpur</i> ... ..	...	41	...		.....	.....	.....
		...	42	...		.....	Durhal ford.	.....		
3	Rajaori (Rampur)	14	44	...	.....	.....	.....	3094	S. G. F. W. T. plentiful.	Small town, tehsil, bazar, stone built. Old serai in ruins.	
	<i>P. O., B., E.—</i> ... ..	...	45	...		Ditto right bank.	Tohi ford.	.....		
	<i>Moradpur</i> ... ..	...	48	...		.....	.....	.....
	<i>Talmakot</i> ... ..	...	54	...		.....	Panda ford.	.....		
4	Chingas Serai	15	59	...	.....	.....	.....	2340	S. G. F. W. plentiful, coolies available.	Serai and village.	
	<i>B., C.—</i> ... ..	...	64	4		.....	Lilali baoli	2000			
	<i>Nadpur Serai</i> ... ..	...	67	...		.....	Chopi ford.	.....		
		...	70	...		Chaini spur	.....	2400			

5	Naoshera ... <i>P. O., B., C., E.—</i>	13	4	72	4	Hence the road, though made, has in many parts fallen into bad order, very rocky and stony in crossing both ranges.	.....	Janbir „	1800	Ditto	Small town, bazar, serai, fort, tehsil 200 feet above Tohi.
				78	...		Koman Gosha	.....	2870		
6	Saidabad ... <i>B., C., E.—</i>	12	4	85	...		Down Bhimber valley.	Crossed river bed 4 times.	2000	S. G. F. W. plentiful, T. available.	Samani village 2 miles off westwards.
				86	4		Aditak range	Samani ford.	2800		
	<i>Mitiret</i> ...	...	...	92	...			Bhimber river forded 6 times.			
				95	...			.....
7	Bhimber ... <i>P. O., B., C., E.—</i>	14	...	99	...	Cart- road hence, cut up in places to Kotla, fair dry weather road, unbridged and unmetalled to Gujrat, over which ekkas and tongas can travel.	Down Bhimber valley.	Bhimber ford.	1060	Ditto	Small town, bazar, head-quarters of district or zillah.
				100	...		.....	.....			Small village.
8	Kotla ... <i>D. B.—</i>	8	4	107	4		.....	.....	.....	S. G. F. procurable, W. from wells, few coolies.	
9	Daulatnagar ... <i>P. O., D. B.—</i>	8	...	115	4		.....	...	980	Ditto.	Larger village.
	<i>Gujrat City</i> ...	...	...	121	...		.....	Bhundur ford			
	<i>P. O., T. O., C., E. on G. T. Road—</i>	...	...	127	...		.....	.....	.....	S. G. F. W. plentiful, T. ample.	Large city and civil station.
10	Gujrat Railway Station <i>P. O., T. O., D. B.—</i>	13	4	129	...	.....	.....	.....	.....	.....	On N. W. Railway.

From Bhimber 99 miles there is a tract by Barnala 117 miles, Minawur 129 miles, where the Tohi river is crossed by ford or boat, Amirpur 137 miles, Phulkian 143 miles, where the Chenab river is crossed by ferry boat, and a rough cart-road thence to Sialkot 160 miles on the branch railway Wazirabad to Jammu. There are Dāk Bungalows at Phulkian and Sialkot. This route is not recommended, owing to the difficulty of crossing baggage over the quicksands of the Tohi river, over the low inundated country between Minawur and Amirpur, and over the five branches of the Chenab met between Amirpur and Phulkian, two of which are deep, after which the Chenab river has to be crossed.

From Daulatnagar 115 miles 4 furlongs there is a cross-country road eastwards by Julalpur 126 miles, over the Chenab ferry at Muhatah 136 miles to Sialkot, 150 miles from Poonch.

Imperial serais of the Mogul period are met with at Thanna Mandi, Saj, Futtehpur, Rajaori in ruins with garden and Baradari on the opposite bank of the river, Moradpur in ruins, Chingas, Narya in ruins, Nadpur, Naoshera with Baolibagh, Koman Gosha Choki, Saidabad with garden and remains of stone bund or dam across river and at Bhimber. At Naoshera, there are inscriptions on stone tablets on north side of the Baoli well and over the entrance gateway to Serai fort.

The bungalow of four rooms at Suran, Thanna, Rajaori (Baradari), Chingas Serai, and Naoshera are in fair order, that at Saidabad is at present in bad order, that at Bhimber requires much repair, the Dāk Bungalows at Kotla, Daulatnagar and Gujrat are excellent.

At one mile west of Saidabad on the road to Samani, an ancient Hindu temple in ruins called Dera may be seen with a platform and stone wall enclosure.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

XXIII POONCH to LALA MUSA by KOTLI—

	Poonch <i>P. O., D. B., E.—</i>	...	...	0	...	Rough hill road, very stony, passable for mules, steep ascent to Saira; thence over rugged broken ground difficult in places to Kotli.	Down Poonch valley left bank.	Suran ferry.	3300	S. G. F. W. abundant, T. ample.	Village and thanna.
				13	...		.....	Mendola ford.			
1	Saira <i>B.—</i>	16	...	16	..		.....	.....	2950	S. G. F. procurable, W. from river, T. available.	Large village, bazar and tehsil.
2	Kotli <i>P. O., B., E.—</i>	14	...	30	...	Good road over fine plain, well cultivated, passable for laden animals.	Up Ban valley.	Neli ford.	1980	S. G. F. plentiful, W. from spring, T. ditto	Town, fort, bazar and capital of the Poonch State.
	<i>Dunna</i>	...	...	36	...		.....	Ban ford.			
3	Koireta	16	...	46	...	.....	.....	.....	.....	W. scarce.	Hamlet.
	<i>Bundal</i>	...	...	52	...	.....	.....	.....	2450	S. G. F. procurable, W. from wells, T. scanty.	Large village, encamp at Guri Ziarat.
4	Dhurmsala	12	...	58	...	Fair hill road over easy slopes.	.....	Waterfall	2700	S. G. F. scanty, W. from nullah, few coolies.	Ditto.
	<i>Makri</i>	...	...	61	...	.....	Panch Pir gulli.	.....	2925		

5	Saidabad <i>B, C, E.—</i>	...	21	...	79	...	Fine cultivated plain, steep ascent and descent over Aditak range, rocky and stony; cart-road hence, first section to Kotla cut up by rains, thence a fair weather road to the railway without bridges.	Down Samani valley.	.....	2000	S. G. F. W. plentiful, T. available.	Samani, large vil- lage and thanna, distant 2 miles.
					80	4		.....	Samani ford.			
					85	...		Aditak pass.	.....	2800	.....	Custom house.
	<i>Mitiret</i>	...	...	...	88	...		.....	Bhimber ford- ed 6 times.			
6	Bhimber <i>P. O., B. C., E.—</i>	...	14	...	93	...		Down Bhimber valley.	.....	1060	Ditto	Small town, bazar and head-quarters of zillah.
					94	...		.....	Bhimber ford.			
7	Kotla <i>D. B.—</i>	...	8	4	101	4	...	.....	.....	.....	S. G. F. procurable, W. from wells, few coolies.	Small village.
8	Daulatnagar <i>D. B.—</i>	...	8	...	109	4	.....	.....	.....	980	Ditto	Large village.
					116	4	.....	.....	Bhimber ford.			
9	Lala Musa <i>P. O., T. B., E.—</i>	...	9	4	119	...	.....	.....	.....	.....	S. G. F. W. T. available	Junction Station of Salt range branch, on N. W. Railway.

From Makri 61 miles there is a cross hill track to Mirpur about 24 miles distant, which passes the Castle of Kambir at the 2nd mile. For mile 70, there is a shorter road down the rocky bed of the Samani river to Samani, and over the plain to Saidabad, which shortens this march by 3 miles. This way is, however, quite impassable for laden animals. Half way between Samani and Saidabad are the remains of an ancient Hindu temple called Dera.

From Bhimber 93 miles, there is a track by Pindi and along the eastern foot of the Pabbi range, about 20 miles in length, to the Kharian Station on the N. W. Railway or 113 miles from Poonch. This avoids any crossing of the Bhimber river, and is used in the rainy season. At Kharian there is a road Bungalow, a serai, good encamping ground, and supplies are plentiful.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						

XXIV POONCH to JHELMUM by KOTLI and MIRPUR—

1	Poonch	...	...	...	0	...	Rough hill road very stony, steep ascent in steps to Saira; thence over rugged broken ground to Kotli, passable for mules, but difficult in places.	Down Poonch Toi or Palasta left bank.	Suran ferry.	3300	S. G. F. W. abundant, T. ample	Town, fort, bazar and capital of Poonch State.
				13	...				Mendola ford					
2	Saira	...	16	...	16	...	Very rough hill road not passable for baggage animals.	.....	.....	2950	S. G. F. procurable, W. from river, T. available.	Village and thanna.
3	Kotli	...	14	...	30	...	Riding pony can be led by taking detours. Most of these 3 marches must be done on foot.	.....	.....	1980	S. G. F. plentiful, W. from springs, T. available.	Large village, bazar and tehsil.
		<i>Berarli</i>	36			...	Ban ford.				
4	Goalpur	...	12	...	42	...	.....	.....	.....	.....	S. G. F. scarce, W. from spring, T. nil.	Hamlet.
		<i>Trochi fort</i>	43			...	Mamuli ford.				
		<i>Narh</i>	48			...					
	Radan	...	15	...	57	...	.....	.....	.....	.....	S. G. F. scarce, W. plentiful, few coolies.	Village.
	<i>E.—</i>													

5	Chaomukh	...	9	...	66	...	Fair hill road pass- able for laden animals over stony ground.	Leave valley and cross Mirpur plateau. Balar pass	Poonch ferry	1118	Ditto	Large village.
6	Mirpur	..	10	...	76	...	.....	.....	.....	1236	S. G. F. W. plentiful, T. available.	Small town, bazar and tehsil.
					80	...	.....	.....	.....	1672		
7	Katiali	...	13	...	89	...	Rough cart-road	Jhelum valley	Jhelum ferry	.....	S. G. F. scarce, W. plentiful, T. nil.	
8	Jhelum	...	10	...	99	...	.....	.....	.....	765	S. G. F. W. abundant, T. ample.	Cantonment, civil station, city and head-quarters of district.

This is the line that would probably be taken by a cart-road or railway, if one be ever made between Poonch and Jhelum.

From Poonch, after crossing the Suran river, there is a direct track to Kotli crossing two hill ranges by the Chilasi gulli and Nilidheri-ki gulli and the Mehndur river between at Mankot. The Chilasi gulli is 4,500 feet, the Mehndur river crossing 2,700 feet, and the Nilidheri-ki gulli 4,195 feet above the sea. The distances from Poonch are Chilasi gulli 5 miles, Mankot 15 miles, Nilidheri-ki gulli 18 miles, and Kotli 30 miles.

From the 43rd mile a road ascends up the Mamuli valley by Bal to Dharmsala about 20 miles in length.

From Mirpur 76 miles, there is another track to Mangla ferry under the old fort on the Jhelum river, 87 miles, and a road thence to the Dina Station on the N -W. Railway 97 miles from Poonch.

XXV POONCH to JHELUM by SENSAR and TANGROT—

	Poonch	...	...	...	0	...	Rough hill track, very stony throughout to Tangrot, and diffi- cult in places for laden mules, which, however, can get through;	Down Poonch valley right bank.	..... Baoli.	3300	S. G. F. W. T. abundant.	Town, fort, bazar and capital of Poonch State.
1	Ser	...	...	...	9	2		.....	.....	2830	S. G. F. W. T. procurable.	Hamlet
	<i>E. on Kai bed</i>	...	10	...	10	...		.....	Kai ford	2630		
	<i>Mendol</i>	...	...	...	15	...		.....	Baoli	2460	.....	Old ruined temple called Dera.
2	Tai	..	...	...	...	...		.....	Hot springs	2170	Ditto 150°. Fahr.	Large village, hot springs in lime- stone rocks on edge of Poonch river.
	<i>E. on Poonch bed</i>	...	10	...	20	...		Chumba gully	.....	3900		
					27	...		.....	Sarsawa ford	2000		
					36	...	Chumba pass is most trying.	.....			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XXV	<i>ROUTE—contd.</i>	...	...	36	...						
3	Sarsawa <i>E.—</i> <i>Novi</i> <i>Brunian</i>	17	..	37	...	.....	.....	Baoli	2500	Ditto	Large village and bazar.
		...	...	40	...	.....	.....	Karnoti ford	2100		
		...	...	43	...	.. ...	Baroi pass	Baoli	3158		
4	Sensar <i>E.—</i> <i>Choch</i>	10	...	47	...	.....	.....	Ditto	2300	Ditto, W. scarce in Jammu.	Village and shop.
		...	...	51	...	.....	Khaira gully	.....	2936		
		...	...	54	...	.....	.....	Baoli	2650		
	Biari <i>E.—</i> <i>Dadial</i>	12	...	59	...	.....	.....	Ditto	1492	S. G. F. T. scarce, W. indifferent.	Hamlet.
		...	...	66	...	.....	.....	.....	1200	.. ...	Small bazar.
		...	...	72	...	Rocky ascent and stony descent.	Chana spur.	.....		
	Tangrot <i>D. B.—</i>	15	...	74	...	Fair road to Shikarpur, whence rough cart-road to Jhelum over cultivated plain.	.....	Jhelum ferry	1000	S. G. F. W. T. procurable.	Junction of Poonch and Jhelum rivers.
7	Shikarpur <i>B.—</i>	12	...	86	...		.....	.....	.....	Ditto	Hamlet.
8	Jhelum <i>P.O., T.O., D.B., C.E.</i>	13	...	99	...	.....	.....	.....	765	S. G. F. W. T. abundant.	Cantonment, civil station, town, head-quarters of district and station on N.-W. Railway.

This route follows the right bank of the Poonch, Toi or Palasta river down to its junction with the Jhelum at Tangrot and crosses the Jhelum by a boat ferry. Good fishing at Tangrot and in many places up the Poonch river to Poonch. From Tangrot, small and large boats can be floated down the rapids of the Jhelum river to Jhelum City.

At Tai hot springs there is a boat ferry, by which people can cross to left bank and join the road to Kotli, distant 9 miles.

From Sarsawa and Sensar are also roads to Kotli, distant 6 and 12 miles respectively.

From Sensar 41 miles there is a track north-west by Tara Kila to the Owen ferry on the Jhelum in length 16 miles, another west to the Salgraon ferry over the Jhelum 59 miles, thence to Kolar 77 miles, and to Mandra Railway Station 88 miles, and a third to the Danguli ferry over Jhelum, thence by Bewal to Gujar Khan Railway Station.

From Shikarpur 86 miles, there is a cart-road 6 miles long to Dina Station on N.-W. Railway.

XXVI POONCH to RAWUL PINDI by LUCHMUN BATEA—

	Poonch	...	...	...	0	...	Rough hill tract, very stony, passable for laden animals.	Down Bitarh valley.	Bitarh ford.	3300	S. G. F. W. and T. ample.	Town, fort, bazar and capital of Poonch State.
	<i>P. O., D. B., E.—</i>	...	...	...	7	...	.....	.....	Baoli.	2830		
	<i>Note</i>	...	...	...	9	2	.....	Up Kai valley.	Baoli.	2900		
	<i>Ser</i>	...	...	...	12	...	.....	Up Palungi valley.	Kai ford.	3200	S. G. F. moderate, W. plentiful, few coolies.	Post and hamlet fort on ridge.
1	Hazira	...	15	3	15	3	.....	Cross spur	.....	5330		
	<i>E.—</i>	...	...	...	25	...	Track has fallen out of order, and has become very difficult for laden animals.	.....	Tilni ford.	4510		
	<i>Palungi</i>	...	...	...	21	6	.....	.....	.....	5130	Ditto	Village.
2	Nar	...	11	3	26	6	.....	Tangi gully	.....	5760		
	<i>E.—</i>	...	...	...	28	...	.....	Across head	Nehrian ford	5030		
	<i>Nehrian</i>	...	...	...	29	...	.....	Sarsawa valley.	Runga ford.	3800	Ditto	Ditto and thanna.
	<i>Betora</i>	...	...	...	35	...	.....	Cross ridge	.....	4250		
3	Palandri	...	14	...	40	6	Track covered with loose boulders; old made road on British side, right bank	.....	.....	.....	.....	Village.
	<i>E.—</i>	...	...	...	49	...	Jhelum, quite out of repair and difficult for laden animals.	Across Jhelum valley.	Jhelum ferry	1480	Ditto	Ferry post.
	<i>Bhatea</i>	...	...	...	51	...	.....	.....	.....	2600	Ditto	Village.
4	Luchmun Patun	...	10	2	51	...	.....	.....	.....	2600	Ditto	Village.
	<i>E. very small—</i>	...	...	...	59	...	.....	.....	.....	2600	Ditto	Village.
	<i>Soha</i>	...	...	...	59	...	.....	.....	.....	2600	Ditto	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XXVI	<i>ROUTE—contd.</i> ...	...	59 ...	Steep zigzag ascent to Soha, whence fair track to Kahuta.					
5	Panjar ...	12 ...	63 ..		Panjar watershed.	.....	2650	S. G. W. scarce, F. plentiful, T. nil.	Hamlet.
	<i>E.—</i> ...	...	...				
	<i>Duberni</i> ...	...	67 ...	.....	Down Ling and Sohan valleys.	.....	2096		
6	Kahuta ...	8 ...	71 ...	Rough cart-road	.....	.....	2050	S. G. F. W. T. plentiful.	Large village and bazar.
	<i>P. O., B., E.—</i> ...	...	72 ...	.....	.....	Ling ford.			
7	Siala ...	11 ...	82 ...	.....	.....	.....	.....	S.G.F.W. procurable, T. nil.	Village and station on N.-W. Railway.
	<i>E.—</i> ...	...	84 ...	.....	.....	Ling ford.			
		...	90 ...	Joins G. T road	.....	Sohan bridge.			
8	Rawul Pindi ...	12 ...	94 ..	.....	.....	.....	1700	S. G. F. W. T. abundant.	Large cantonment, fort, civil station, city, head-quarters of district and station on N.-W. Railway.
	<i>P. O., T. O., D. B., Hotels, C., E.—</i> ...	...	...				

There are other routes from Poonch to Luchmun Batea, the foregoing is said to be the most direct and crosses two hill spurs at Nehrian and Palandri. There is another way in better order and passable in summer from Hazira 15 miles 3 furlongs by Sudnuti tehsil, Haila 24 miles, village where S. G. F. W. and T. procurable, Danna 6,500 feet, to Palandri 37 miles, which is used by camels, &c.

An alternative route might from Haila 24 miles ascend the Tilni nullah to its source at Girhali 28 miles, cross the pass just above this place, descend into the Goon valley by Garar fort to Lajana 34 miles, and follow this river down to its junction with the Jhelum river, one mile above Luchmun Batea, 45 miles from Poonch. This line, as far as the Goon valley, would also be on the most direct route from Poonch to Murree crossing the Jhelum river at the Rampatun ferry beneath Kotli on the British side.

Near Panjar 63 miles, this road passes south of and under the Nerh plateau, a fine site for a military sanitarium.

From Kahuta 71 miles a cart-road runs south direct to Mandra Station on the N.-W. Railway, 1,695 feet and 91 miles from Poonch. It passes by Chinam 78 miles, 2,208 feet, Pindorian 81 miles 4 furlongs, 2,031 feet and Bhata 86 miles 4 furlongs, 1,779 feet above the sea.

XXVII POONCH to ABBOTTABAD by MURREE—

There are several tracks between Poonch and Murree and two routes hence to Abbottabad.

The easiest route at present crosses the Kai gulli to Parl, descends down the Kein nullah to Raoli in the Mal or Bagh valley and follows down this river to its junction with the Jhelum near Dhara ferry, where the road crosses the Jhelum and rises up to Murree.

	Poonch <i>P. O., D. B., E.—</i>	...	...	...	0	...	Rough hill track, very stony and difficult in places for laden animals. Very steep and stony ascent to pass.	Down Bitarh valley.	.....	3300	S. G. F. W. T. ample.	Town, fort, bazar and capital of Poonch State.
	<i>Ser</i>	...	...	...	9	2		Up Swan or Kai valley.	.....	2830		
1	Hazira <i>E.—</i>	...	15	3	15	3		.....	.....	3200	S. G. F. moderate, W. plentiful, few coolies.	Post and hamlet.
					24	...	.....	Kai gulli.	.....	5530		
2	Parl <i>E.—</i>	...	12	5	28	...	Fine plateau with good road to Prat, then rocky steep descent and after crossing Kein river, easy gradient to Raoli and Mangh.	Down Kein valley.	.....	5225	S. G. F. W. T. available	Cluster of villages on extensive plateau, well cultivated.
					36	...		...	Kein ford.			
	<i>Raoli</i>	...	...	...	40	...		Down Mal or Bagh valley.	Mal bridge.	2920		
3	Mangh <i>E.—</i>	...	16	...	44	...		.....	.....	2880	Ditto	Wide valley, well cultivated.
					58	...	.....	.....	Mal ferry.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XXVII	<i>ROUTE—contd.</i>	...	...	62	...				
4	Dhulkot <i>E. very small—</i>	16	...	60	...	.....	.....	S. G. F. W. scanty, T. nil.	Fort.
	<i>Dhara</i>	...	...	62	...	Jhelum ferry	1677.		
5	Dhanda	10	...	70	...	.....	.....	S. G. F. W. scanty, T. nil.	Small village.
6	Murree <i>P.O., T.O., Hotels, C., E.</i>	13	...	83	...	.....	7000	S. G. F. W. plentiful, T. ample.	Military and Civil Sanitarium, town and bazar.
7	Chungla gulli <i>D. B.—</i>	10	...	93	...	.....	8200	S. G. scarce, W. and F. moderate, T. nil.	Military post.
8	Dunga gulli <i>D. B.—</i>	9	...	102	...	.....	7600	Ditto	Ditto.
	<i>Kalabagh</i>	...	...	107	...	.....	7190.		
9	Bagnota <i>D. B.—</i>	12	...	114	...	.....	4800	Ditto	Small village.
				115	...	Kala Nuddee	3663.		
10	Abbottabad <i>P.O., T.O., D.B., C., E.</i>	10	...	124	...	.....	4166	S. G. F. W. and T. abundant.	Cantonment, Civil Station, town, bazar and headquarters of district.

Another route goes from Poonch to Kohala 74 miles (see Route XXVIII), and after crossing the Jhelum bridge, either joins the cart-road 27½ miles long to Murree (Sunny bank), or rises straight up the spur by Nuttia gulli to Dunga gulli 15 miles or 89 miles from Poonch. This last march is practicable only for lightly laden coolies.

A third route to Murree, by Parl and Mangh, crosses the Jhelum by the Kwadra ferry, and rises up the Birgraon nullah to Murree. This is not passable for laden mules.

A fourth route to Murree, also by Parl 28 miles and Mangh gala 40 miles, crosses the Jhelum river by the Rampatan ferry 52 miles, and rises up the hill range to Parana 64 miles and Murree 76 miles from Poonch. This is passable for laden mules.

A fifth route might be made from Poonch up the Swan and Palungi valleys, over the Girbali pass to Lajana 34 miles, then follow down the Goon river to its junction with the Jhelum, ascending the latter to Rampatan 48 miles, where cross this river by the ferry boat and rise up the Kotli spur by Kotli to Murree 72 miles from Poonch.

For lower road between Murree and Abbottabad—See Route IXa.

A new water-supply has recently been added at Murree.

XXVIII POONCH to MOZUFFERABAD by KOHALA—

	Poonch <i>P. O., D. B., E.—</i>	...	...	...	0	...	Rough hill track, very stony and difficult in places for laden animals.	Down Bitarh valley.	Bitarh ford.	3300	S. G. F. W. T. ample	Town, fort, bazar and capital of Poonch State.
	<i>Ser</i>	...	...	...	9	2	.....	Up Swan or Kai valley.	.....	2830		
1	Hazira <i>E.—</i> <i>Dethan</i>	...	15	3	15	3	.....	.....	.....	3200	S. G. F. moderate, W. plentiful, few coolies.	Post and hamlet.
		...	...	...	20	...	Steep ascent to pass.			5530		
		...	...	...	24	...	.....	Kai gulli	.....	5225	S. G. F. W. T. available	Cluster of villages on extensive plateau, well cultivated.
2	Parl <i>E.—</i>	...	12	6	28	...	Fine plateau and good road to Prat then rocky steep descent and after crossing Kein river, easy gradient to Raoli and Arja.	Down Kein valley.	.....	3250		
		...	...	...	36	...	.....	Kein ford.		2920		
	<i>Raoli</i>	...	...	...	40	...	.....	Across Mal valley.	Mal bridge.	2840	S. G. F. W. moderate, T. available.	Village.
3	Arja <i>E.—</i>	...	20	...	48	...	.....	.....	.....	5150		
		...	...	...	59	...	.....	Tirkot neck	.....		

POONCH TO MOZUFFERABAD

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER-MEDIATE.	TOTAL.							
		m.	f.							
XXVIII	<i>ROUTE—contd.</i> ...	...	59	...						
4	Chumiatti ...	15	63	...	Fair hill road across head of valley to Chumiatti, then keeps along top of range with steep zigzag stony descent to Kohala.	Along the top of Chamankot range with sharp descent to Jhelum.	.....	4870	S. G. F. W. moderate, T. available.	Village.
5	Kohala ... <i>P. O., T. O., D. B.—</i>	11	74	...			.....	1916	S. G. F. W. procurable, T. after notice.	Small bazar and customs post.
			82	...	Join Jhelum cart-road to Dumel.	Up Jhelum valley left bank.	Agar bridge	2029		
6	Dulai ... <i>D. B.—</i>	12	86	...	.....	.....	.....	2105	Ditto	Hamlet.
	Dumel ... <i>P. O., T. O., D. B., E.</i>	9	95	2	.....	Up Kishengunga valley.	Jhelum bridge.	2225	S. G. F. W. plentiful, T. available.	Bazar.
7	Mozufferabad ... <i>C.—</i>	1	97	...	.....	.....	.....	2344	Ditto	Small town and head-quarters of district.

From Dethan 20 miles, a detour can be made northwards over the Neja gulli, crossing the Ramkot stream, one of the principal affluents of the Mal river, at Koteri, and coming down the Mal valley by Bagh, a large village and tehsil, to Raoli, in length about 24 miles. From Arja there is another hill track northwards over the Rangla pass, which descends down the Agar valley by Danna and joins the Jhelum cart-road at the Agar bridge, in length about 27 miles, thus shortening the distance to Mozufferabad.

XXIX POONCH to HATIAN or CHAKOTI by BAGH—

	Poonch	...	...	...	0	...	Rough hill track, very stony and passable for mules.	Up Tat valley	Bitarh ford.	3300	S. G. F. W. T ample.	Town, fort, bazar and capital of Poonch State.
1	Tat	...	10	...	10	...	.....	.....	.....	.....	S. nil, G. F. moderate, W. plentiful, T. nil.	Fort.
					18	...	Steep ascent and descent over pass.	Taoli pass.				
					22	...	.....	.....	Ramkot ford.			
2	Ramikot	...	14	...	24	...	Fair hill road	Down Mal valley right bank.	.....	.....	S. G. F. moderate, W. plentiful, few coolies.	Small village.
3	Bagh	...	12	...	36	...	.. ..	.....	.....	.....	S. G. F. W. plentiful, T. available.	Large village and tehsil.

Hence, there are two routes, firstly, over the Tok pass to Hatian ; secondly, over the Kalan pass to Chakoti or Uri.

FIRSTLY—

3	Bagh	...	...	...	36	...	Rough hill track with difficult places and passable for mules.	Up Malwan valley. Tok pass	.....	.....	.....	Pir Panjal range.
					46	...	.....	Down Hatian nullah.	.....	.....	S. and T. nil, G. F. moderate.	Small village.
4	Timberkot	...	13	...	49	...	.....	.....	.....	.....	S. nil, G. F. moderate, W. plentiful, few coolies.	Ditto.
5	Hatian	...	9	...	58	...	Join Jhelum cart-road.	.....	.....	3000		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
<i>SECONDLY—</i>											
3	Bagh	...	...	36	...	Rough hill track with difficult places and passable for mules.	Up Malwan valley. Kalan pass.	.....	.....	.....	Pir Panjal range.
				46	...						
4	Kilana	...	13	...	49	.....	Down Opi nullah.	.....	.....	S. G. F. W. plentiful, coolies available.	Residence of Raja of Kilana.
	<i>Opi</i>	...	...	...	55	Join the Jhelum cart-road.					
5	Chakoti	...	10	...	59	.....	Jhelum valley	.....	3700	S. G. F. W moderate, T. available.	Small village.
	<i>or</i>										
5	Uri	...	15	...	65	.....	.....	.....	4390	Ditto W. scarce, T. difficult.	Fort, tehsil and village, large plateau, well cultivated.

Both the Tok and Kalan passes are on the Pir Panjal range, while further east between the Pir Kantha and Bisari peaks, there are two more passes at the head of the Mal valley above Barikot and Rahkot, which lead down the Islamabad nullah by Sing to Uri. These two paths are used only by shepherds and woodmen in the summer and autumn. The ascent on Poonch side is steep, the descent on the Kashmir side is gradual, and the road from Sing to Uri could be improved. The total distance from Poonch to Uri would be about 45 miles and 40 miles respectively.

XXX POONCH to SRINAGAR by HAJI PIR PASS—

	Poonch <i>P. O., D. B., E—</i>	...	...	...	0	...	Road very rough and stony in bed of river excepting 3 miles over Daigwar plateau and last 2 miles into Kahuta.	Up Bitarh valley.	.....	3300	S. G. F. W. T. ample	Town, fort, bazar and capital of Poonch State.
					6	...		.....	Bitarh ford.			
1	Kahuta <i>B., E—</i>	...	10	...	10	...	Fair road hence to Aliabad.	Up Gungi valley.	.....	4560	S. G. F. W. moderate, T. available.	Village.
2	Aliabad Serai <i>E.—</i>	...	7	...	13	4	.....	.....	Gungi ford.	6700	S. G. F. after notice, W. plentiful, T. nil.	Hamlet.
					17	...	Steep ascent to pass very stony and descent very rocky.	Haji Pir pass	.....	8500	.....	Pir Panjal range.
					20	4	.....	.....	Namila ford.			
3	Haidrabad <i>E. very small—</i>	...	7	...	23	4	.....	Down Namila valley.	.....	6000	Ditto	Hamlet.
					24	...	Road into Uri execrable, most troublesome to laden animals.	.....	.....	
4	Uri <i>E. confined—</i>	...	10	...	34	...	Join the Jhelum cart-road, bridged and metalled to Baramulla.	Up Jhelum valley.	.....	4390	S. G. F. procurable, W. scarce, T. difficult.	Village on fine plateau, well cultivated, fort and tehsil.
					36	...	.....	.....	Namila bridge.			
5	Rampur <i>E.—</i>	...	13	4	47	4	.....	.....	.....	4900	S. G. F. W. moderate, a few coolies.	All supplied by Nawab of Bhunniar.
	<i>Bhunniar</i>	...			49	...	.....	.....	Harpet-kai bridge.	5000.	.....	Old Panchiah temple.
					50	...	.....	.....	.....	.....	.....	Town, bazar and tehsil.
6	Baramulla <i>E.—</i>	...	15	4	63	...	Cart - road under construction to Srinagar.	.....	.....	5175	S. G. F. W. plentiful, T. after notice.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
7	Patan ... <i>E. with chunar trees—</i>	16	...	79	...	.....	.....	.....	5200	S. F. G. T. available, W. from springs.	Village, 2 fine Mahadeo temples in ruins.
8	Srinagar ... <i>P. O., T. O., C., E.—</i>	19	...	98	...	.....	.....	Amiri Kadal over Jhelum.	5235	S. G. F. W. and T. abundant.	Large city, cantonment, bazars, palaces of H. H. Maharaja and capital of Kashmir State.

This was one of the Imperial roads in the Mogul period.

From Poonch there is an alternative track up the Sudroon valley by Nanganari, over the Hardumba pass, which is about the same height as the Haji Pir pass, and down the western branch of the Namila nullah, by Haidrabad to Uri. The distance is about the same as the foregoing route, the length between Nanganari and Haidrabad is at present quite unfit for laden animals.

Both these passes are closed by snow in winter, December to March inclusive, and are liable to avalanches, when the snow melts.

From Baramulla, travellers usually take boat up the Jhelum river, starting about mid-day to Sopoor 14 miles, where there is a Rest-house, and supplies are plentiful, and extra boatmen can be obtained for crossing the Woolar Lake, or to Ningul 16 miles at the entrance of the Woolar Lake. The boats leave at 3 A.M. in the morning to cross the Woolar Lake and avoid the high wind which generally sets in sudden squalls any time after 11 A.M. The high waves are then dangerous to these flat-bottomed boats. An ordinary boat will generally reach Shadipur in the evening and stay the night. Leaving early next morning the boat will arrive at Srinagar about mid-day. Total distance by river and lake from Baramulla about 60 miles, by river and canal about 48 miles.

When the river is high, the Noru Canal between Shadipur and Ningul is navigable, and the boats can travel through by this short cut reaching Srinagar in about 24 hours.

XXXI POONCH to BARAMULLA by PAJJA PASS—

	Poonch <i>P.O., D. B., E.—</i>	...	...	0	...	Road for half the march very stony up bed of river, is passable for mulesthroughout.	Up Bitarh valley.	.....	3300	S. G. F. W. T. ample,	Fort, town, bazar and capital of Poonch State.
1	Kahuta <i>B., E. small—</i>	...	10	...	6	...	.....	Bitarh ford.	4560	S. G. F. W. moderate, T. available.	Village.
					11	...	.....	Gungi ford.	4300		
					11	Very rough and stony but of easy gradient.	.....	Gungi ford.	4300		
2	Kalamulla <i>E. very small—</i>	...	10	...	20	.....	.....	Keeran ford.	6050	S. G. F. moderate, W. plentiful, few coolies.	Cluster of villages.
					26	The ascent and descent of this pass are both very steep and slippery. There is a second ascent and descent over the Tilpatoo spur down to Gaggerhil, whence easy path to Bhunniar, where Jhelum road is joined.	Pajja pass	.....	10000	.....	Pir Panjal range.
					30		Tilpatoo spur	.....	9300		
3	Gaggerhil <i>E. very small— Maidan Trekan</i>	...	15	...	35	...	Down Harpet-kai valley.	Harpet-kai bridge.	6100	S. after notice, G. F. W. plentiful, T. nil.	Hamlet.
					37	...	.....	.....	.....	.....	Residence of Nawab of Bhunniar.
					40	...	.....	.....	.....	.....	Old Buddhist Temple.
4	Bhunniar <i>Hospital—</i>	...	8	...	43	...	Up Jhelum valley.	Harpet-kai bridge.	5000	Ditto	
5	Baramulla <i>P.O., T.O., D.B., E.—</i>	...	14	...	57	.....	.....	.....	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar and tehsil.

This route is usually closed after the first fall of snow in November until the end of April, and avalanches are frequent on the snow melting. There is another pass westwards about 4 miles called Dunk, under the Badaori peak, which is used by shepherds only. The approach on the Poonch side is most precipitous, while that on the Kashmir side winds round the flank of the Badaori peak on to the Tilpatoo spur, descending the latter to Gaggerhil. The Dunk pass is slightly higher than the Pajja pass. The nulla which drains from Dunk into the Harpet-kai river was covered by a snowbridge 4 miles long in August, showing that immense avalanches must fall into it from the Badaori peak across the path to Tilpatoo.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

XXXIa POONCH to BARAMULLA by GAJAN PASS—

	Poonch <i>P. O., D. B., E.—</i>	...	...	0 ... 6 ...	Very stony road in the bed of the Bitarh for half this march.	Up Bitarh valley.	..... Bitarh ford.	3300 ...	S. G. F. W. T. ample ...	Town, fort, bazar and capital of Poonch State.
1	Kahuta <i>H., E.—</i>	...	10 ...	10 ... 11 ... 18 ... 20 ...	The track though stony improves, and is passable for laden animals.	..... ..... ..... .....	..... Gungi ford Kalamulla ford. Pent ford.	4560 4300 5160	S. G. F. W. moderate, T. available.	Village, 200 feet above Bitarh river. At Koomgulla.
2	Palan <i>E. small—</i>	...	11 ...	21 ... 25 ...	Hence men only can travel on foot, owing to difficulty of fording the Bitarh bed.	..... Up Sakrala valley.	..... Cross Bitarh numerous fords.	5640	S. and T. nil, G. F. W. plentiful.	Hamlet.
3	Hillun <i>E. in fields—</i>	...	6 ...	27 ... 35 4	Easy gradient, all the way up to the pass and down the other side, practicable for laden animals.	..... Gajan gulli	..... .....	6300 9135	S. moderate, G. F. W. plentiful, T. available.	Village.
4	Gajan <i>E. small—</i>	...	10 ...	37 ...		Down Harpet-kai valley.	.....	.....	G. F. W. plentiful, S. and T. nil.	Glade in forest.

5	Gaggerhil <i>E. small—</i>	...	8	...	45	...	Good road down this valley.	.....	Harpet-kai bridge.	6100	Ditto S. after notice	Hamlet.
	<i>Maidan</i>	..	...	...	47	...	.....	.....	Ditto			
	<i>Trehan</i>	...	...	...	50	...	.....	.....	.....	.....	.....	Residence of Nawab of Bhun- niar.
6	Bhunniar <i>Hospital, E. small—</i>	...	8	...	53	...	Joins Jhelum road	Up Jhelum valley.	Ditto	5000	S. & T. after notice, G. F. W. plentiful.	Old Buddhist Temple.
7	Baramulla <i>P.O., T.O., D.B., E</i>	...	14	...	67	...	.....	.....	.....	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar and tehsil.

Above Hillun, there is a splendid plateau called Maira 6,500 feet situated at the fork of the Nilkanta and Sakrala rivers, which united form the Bitarh river.

The Gajan pass is about 3 miles east of the Pajja pass, 10,000 feet, and is the lowest point in this part of the Pir Punjal range. Half-way between them is the Durbat gulli, very steep on the Poonch side at the head of the Pent nullah, which falls into the Bitarh river near Palan. The approaches to the Gajan pass on both sides are through lovely and wild scenery.

The encamping ground at Gajan is at the foot of both passes Gajan and Pajja, and there are two roads from it to Gaggerhil. One over the Jabar plain and Tilpatoo spur is fit for beasts of burden, the other descending down the Gajan nullah and Harpet-kai river is fit for men only. A sharp descent brings it to Toong 6,800 feet on the Harpet-kai river, which it follows by Somali 6,630 feet with bridge to Chotali 6,430 feet, a small basin above a rocky gorge. To avoid the latter the path surmounts a spur 7,300 feet and descends to Gaggerhil 6,100 feet.

From Toong 41 miles, a track crosses the Harpet-kai river by a ford and rises straight up the steep spur opposite to a ledge 10,000 feet at the foot of the Sellar peak. It then flanks the western face of this mountain crossing the Marpatra pass 10,580 feet at the northern end 48 miles, and goes eastwards to Lilian Marg 9,400 feet and 53 miles, whence a number of tracks diverge.

- I. The approach from Toong just mentioned.
- II. To Trekan in the Harpet-kai valley, where the Nawab of Bhunniar resides, 9 miles long.
- III. To Bhunniar at the mouth of this valley 12 miles long.
- IV. To Naoshera on the Jhelum road 10 miles long.
- V. To Sher on the Jhelum road down the Kechama valley by Nambal, 12 miles long.
- VI. To Baramulla on the Jhelum road by Murun and Gohan 17 miles long or 70 miles from Poonch.
- VII. To Gulmarg 10 miles or 63 miles from Poonch.
- VIII. To Hillun back over the Jharni gulli at the head of the Harpet-kai valley and down the Jharni nullah, which falls into the Sakrala about Hillun at the 29½ mile from Poonch.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL <i>m. f.</i>						

XXXII POONCH to GULMARG by NILKANTA PASS—

	Poonch <i>P. O., D. B., E.—</i>	...	...	0 ... 6 .	Very stony road in bed of Bitarh for half this march.	Up Bitarh valley.	..... Bitarh forl.	3300	S. G. F. W. and T. ample.	Town, fort, bazar and capital of the Poonch State.
1	Kahuta <i>B., E.—</i>	10	...	10 ... 11 ...	The track though stony improves, and is passable for laden animals.	..... ---	..... Gungi ford	4560 4300	S. G. F. W. moderate, T. available.	Village 300 feet above river.
2	Palan <i>E. small—</i>	11	...	21 ...	Hence men only can travel on foot owing to difficulty of crossing Bitarh bed.	.....	Cross Bitarh river several times.	5640	S. and T. nil, G. F. W. plentiful.	Hamlet.
3	Hillun <i>E. in fields—</i>	6	...	27 ...	Rough and rugged track, rocky and steep to top of pass.	Up Chunwara valley.	.....	6300	S. moderate, G. F. W. plentiful, T. available.	Village.
4	Dangar Allan <i>E. small plain—</i>	5	...	32 ... 39 ...	..... The descent on the Kashmir side is easy with a fair path to Gulmarg, over the Aphaawat shoulder of the Pharpat peak.	..... Nilkanta pass	Cross Chunwara bed often.	7260 11930	S. and T. nil, G. F. W. plentiful.	Small grassy terrace. Pir Panjal range.
5	Pharpat Marg <i>E— Killan Marg—</i>	12	...	44 ... 47 ... 51 ...		..... Aphaawat spur.	..... ..... .....	..... 12000. 11000.	W. and G. available.	

6	Gulmarg <i>P. O., T. O., Hotel, E.</i>	...	10	...	54	8500	S. and T. moderate, in season, W. distant G. F. ample.	Sanitarium and bazar in season.
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Above Hillun in the fork of the Nilkanta (Chunwara) river and Sakrala, there is a fine plateau called Maira, a splendid encamping ground. There are two gullies on the Nilkanta ridge, the north one is said to be bad and precipitous, the south one should be taken. Neither are fit for ponies. This route is open during four months of the year, July to October inclusive, as soon as the rivers subside after the melting of the snow. On the Poonch approach, the rivers have to be forded in numerous places. It is seldom used, and travellers now prefer the route by the Firozpur pass which is shorter and easier.

XXXIII POONCH to SRINAGAR by FIROZEPUR PASS—

	Poonch <i>F. O., D. B., E.—</i>	...	...	0	...	Good road passable throughout for laden animals.	Up Suran valley.	.....	3300	S. G. F. W. T. ample.	Town, fort, bazar and capital of Poonch State.
				2	4	.....	.....	Dungli bed.			
				6	..	.....	Up Mandi valley.				
				12	...	.....	.....	Mandi bridge.			
1	Mandi or Koondah <i>E. small—Gagri lower</i>	...	13	...	13	...	.....	Loran „	5000	S. G. F. W. plentiful, T. available.	Large village and tehsil. Summer residence of Raja of Poonch.
		...	...	21	...	.....	.....				Cluster of villages.
2	Gagri upper <i>E.—</i>	...	10	...	23	...	Steep ascent to pass on Poonch side and easy descent on Kashmir side.	.....	.....	S. nil, G. F. W. moderate, T. scanty.	
				31	...	.....	Firozpur pass	.....	12000		
3	Banabali Nag <i>Drung</i>	...	12	...	35	...	.....	Down Palats valley.	.....	S. and T. nil, G. F. W. plentiful.	Lake.
		...	...	44	...	.....	.....	Banabali Nag or Kontar Nag.	.....	.....	Two ancient temples in ruins.
4	Firozpur <i>E.—</i>	...	11	...	46	...	Road enters a highly cultivated plain.	Down Bahun valley.	.....	S. and T. scarce, G. F. W. plentiful.	Large village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORTE AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XXXIII	<i>ROUTE—contd.</i> ...	11	...	46	...						
5	Magam ...	12	...	58	...	Joins the Srinagar and Gulmarg road, and crosses low swampy ground.	.....	.. ...	.....	S. and T. moderate, G. F. W. available.	Small village.
	<i>B., E. very small—Narbal</i> ...	...	...	64	...		.....	Suknag bridge.			
6	Srinagar ...	16	...	74	...		.....	Amiri Kadal over Jhelum.	5235	S. G. F.W. abundant, T. ample.	Large city, Hari Parbat fort, cantonment, summer palaces of H. H. Maharaja and Court, Residency, capital of Kashmir State.
	<i>P. O., T. O., C., E.</i>										

This route is open during four months of the year July to October inclusive. At Mandi there is no encamping ground. It is usual to camp either at Koondah, when ascending higher up the Mandi valley or at Rajpur near, when ascending the Loran valley.

A detour can be made through another gulli south of the Firozpur pass by the Kontar Nag, which lengthens the route to Banabali Nag by 2½ miles. From this latter lake a track branches northwards by Barzatal 38 miles, joins the Nilkanta pass route at 40 miles and passing over the Apharwat shoulder 12,000 feet of the Pharpat peak 14,500 feet goes by Killan Murg 11,000 feet, to Gulmarg 8,500 feet, and 50 miles from Poonch. Travellers for Gulmarg can go from the pass direct to Barzatal, 15 miles from Gagri upper, avoiding the lake if they intend taking this upper route, or go to Banabali Nag, whence they can follow the Palats river down to its junction with the Bahun river along the foregoing road and 2 miles beyond on the left bank, whence strike up the face of the hill to Gulmarg 50 miles from Poonch.

From Firozpur 46 miles a track branches northwards by Baba Marishi 7,000 feet 50 miles and Kontra 55½ miles, to Baramulla 67 miles, passable for laden animals.

From Kontra another road of easy descent leads down the Ningul valley by Minagam, Wogam and Natpur to Sopoor 5,185 feet and 70 miles from Poonch. Sopoor is the head-quarters of Zillah Kamraj.

XXXIII. GAGRI to SRINAGAR by ZAMIR PASS—

2	Gagri lower	21 ...	The ascent of this pass on the Poonch side is steep and rugged, fit for men only.	Up Zamir valley.	Mandi bridge	.....	S. nil, G. F. W. moderate, T. scanty.	Cluster of villages.
		30 ...		Zamir pass	.....	13470		
3	Shinamani	11 ...	On the Kashmir side the descent is easy, and from Dunwas the track is fair, though it crosses low and swampy ground about Syboog, liable to inundation in the high floods of the Jhelum river.	Across Bahun drainage.	.....	.....	S. and T. nil, G. F. W. available.	Marg.
	<i>E.—</i>			.....	Bahun ford.	.....	
4	Dunwas	9 ...		.....	.....	.....	Ditto	Tower.
	<i>E.—</i>							
	<i>Badrkot</i> ... ..	... ..		Down Suknag valley.	.....	.....
5	Aripatan	14 ...		.....	.....	.....	S. F. T. scanty, G. and W. available.	Village.
	<i>E.—</i>			.....	Suknag bridge.	.....	
6	Syboog	10 ...		Across Hokar-sar swamp.	.....	.....	Ditto	Ditto.
7	Srinagar	8 ...	.....	.....	Amiran Kadal over Jhelum.	5235	S. G. F. W. abundant, T. ample.	Large city, fort, bazars, and capital of Kashmir State.
	<i>P. O., T. O., C., E.—</i>							

At the 26th mile from Poonch a track branches off in a south-east direction over the Tosha Maidan pass 29 miles and descends by the Damam Sar to the Tosha Maidan 40 miles, an extensive Marg, the resort of numerous herds of cattle, ponies, sheep, &c., in the summer and autumn—See next Route XXXIV. Hence a track goes northward down the Bahun valley, through Vehinar to the Dunwas tower 50 miles.

XXXIV. POONCH to SRINAGAR by TOSHA MAIDAN PASS—

∞	Poonch	0 ...	Good road passable throughout for laden animals.	Up Suran valley.	.....	3300	S. G. F. W. T. ample.	Town, fort, bazar and capital of Poonch State.
	<i>P. O., D. B., E.—</i>							

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XXXIV ROUTE—contd.									
		...	0 ...						
			2 4	.....	.....	Dungli bed.			
			6 ...	.....	Up Mandi valley.				
1	Mandi or Rajpur <i>P. O., E.—</i>	13 ...	13 ...	.....	Up Loran valley right bank.	Mandi bridge	5000	S. G. F. W. plentiful, T. available.	Large village and tehsil. Summer residence of Raja of Poonch.
	<i>Biarah</i>	...	20 ...	.....	.....	.....	.....	.....	Fork of Loran and Dali Nar rivers.
2	Sultan Patri <i>E.—</i>	12 ...	25 ...	The ascent over the Phulwaran spur to the top of pass is rather steep, while the descent is gentle over an extensive plateau covered with good pasture, the scenery is beautiful.	.....	.....	.....	S. and T. nil, G. F. W. moderate.	Dak deserted in winter.
			31 ...		Mineagol	.....	12500		
			32 ...		China marg.	.....	12000		
			33 ...		.....	Damam Sar.			
			37 ...		.....	Gaditur Nag ford.			
3	Tosha Maidan ... <i>E.—</i>	16 ...	41 ...	.....	.....	.....	10000	S. and T. nil, G. F. W. available.	Grazing ground.

	Zarigam	...	...	48	...	.....	Across Suknag and Jhelum drainage.	Suknag bridge			
4	Watrehel E.—	...	13	...	54	...	The road crosses low and swampy ground liable to inundation.	.....	S. G. W. available, F. and T. moderate.	Large village.	
5	Srinagar P. O., T. O., C., E.—	...	14	...	68	...	.....	Amiran Kadal over Jhelum.	5235	S. G. F.W. abundant, T. ample.	Large city, fort, bazar and capital of Kashmir State.

This appears to be the most direct route from Poonch to Srinagar. The pass is fairly easy without obstructions, and is usually open from June to the first fall of snow in November.

At the 37th mile, instead of crossing the stream, which flows from the Gaditur Nag, the traveller may branch off due east across the Koot Nag stream, south of the Lalshah Alum peak, cross the Suknag river by a bridge 43 miles and follow down this valley on the left bank by Ringazabal 48 miles and Urzal to Watrehel 70 miles. The scenery down the Suknag valley surpasses that on the other route.

Tosha Maidan is an extensive marg on undulating ground at the summit of the Pir Punjal, is frequented in summer and autumn by herds of all kinds of cattle, ponies, mules, sheep and goats for grazing. The scenery on all the approaches is beautiful, and the views from the edges of the marg or from the peaks on it are fine.

XXXIVa MANDI to SRINAGAR by NURPUR and SANGSOFED PASSES—

1	Mandi or Rajpur E.— Biarah	...	...	13	...	Good road to Nurpur passable for laden animals.	Up Loran valley. Up Dali Nar valley.	.....	5000	S. G. F. W. plentiful, T. available.	Large village and tehsil.
2	Batulkot E.—	...	10	...	23	.....	.....	.....	.....	S. and T. nil, G. F. W. plentiful.	Small village of iron miners.
3	Nurpur	...	8	...	31	...	Ascent to pass steep and difficult in places, descent is also sharp and difficult. Traversed by laden animals.	..... Nurpur pass	..... 13610	Ditto	Iron working.
4	Doodhi Patri E.—	..	16	...	47	...	Down Yechara valley.	..... Kala Sar.	.....	Ditto	Hamlet.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL							
		m.	f.	m.	f.						
XXXIV^a	<i>ROUTE—contd.</i>	16	...	47	...						
5	Dragam ...	14	...	61	...	Good road hence along the well cultivated plain.	.....	.....	S. and T. moderate, G. F. W. available. S. G. F. W. and T. available.	Village.
	<i>Yechgam</i> ...	...	...	65	...		.....	.....		Large village.
6	Srinagar ... <i>P. O., T. O., C., E.—</i>	14	...	75	...	.....	.....	5235	S. G. F. W. abundant, T. ample.	Large city, fort, bazars and capital of Kashmir State.

At the 29th mile, a path strikes up over the Chorgulli pass, a most difficult and rugged ascent, and descends by the Bagh Sar to the Suknag valley above Ringazabal.

At the 33rd mile, a track branches off southwards over the Sangsofed pass 36 miles and descends across two spurs into the Sangsofed valley to Frasnag 48 miles, and continues to Nilnag near Gogipatri 58 miles; thence by Surus and Dragoan to Yechgam 73 miles, and to Srinagar 83 miles from Poonch. After accomplishing the rather steep ascent to this pass, there is a fair road downwards to Gogipatri, and a good road hence to Srinagar.

These three passes are open only during four months of the year, July to October inclusive. The Nurpur pass is said to be the easiest of the three for beasts of burden.

XXXV POONCH to ISLAMABAD or ANANT NAG by PIR PUNJAL PASS—

Poonch	0	...	Good road, practicable for laden animals throughout.	Up Suran valley right bank. Dungli bed. Mandi bridge.	3300	S. G. F. W. T. ample.	Town, fort, bazar and capital of Poonch State.
<i>P. O., D. B., E.—</i>	...	2	4						
		6	...						

1	Suran <i>B.—</i>	...	14	...	14	.....	Ditto left bank.	Suran ,,	4300	S. G. F. & T. moderate, W. plentiful.	Village.
2	Baramgalla <i>B.—</i>	...	12	...	26	Road along stony bed of Chittapani for half this march with numerous crossings of the stream, steep ascent to Poshiana.	..... .....	..... Suran bridge.	5800	Ditto	Small village.
	<i>Chundimar</i>	...	...	...	28		Up Chittapani valley.	Alatopa ,,			
3	Poshiana <i>E. on roofs of houses</i>	...	10	...	36		Up Nilana valley.	.....	8140	S. and T. nil, G. F. W. moderate.	Ditto deserted in winter.
					41	Severe climb to top of pass over fair road. Easy descent by good road.	Pir Punjal pass.	.....	11400		
4	Aliabad Serai <i>B., C., E.—</i>	...	11	..	47		Down Rembiara valley.	.....	10100	Ditto	Old serai built by the Mogul Emperors.
	<i>Dubchi</i>	...	...	...	48	.....	.....	.....	9700	...	Tower.
					55	.....	.. "	.....	.....	.....	Sheds in forest.
					56	.....	.....	Rembiara bridge.			
5	Hirpura <i>B., E.—</i>	...	12	...	59	Valley widens and opens out into the plains of Kashmir.	.....	.....	7760	Ditto	Scattered village.
6	Shupiyon <i>P. O., E.—</i>	...	8	...	67	Good road across a highly cultivated plain.	Across Veshau and Jhelum drainage.	.....	6714	S. G. F. W. and T. plentiful.	Town and tehsil.
7	Kulgam <i>E.—</i>	...	15	...	82	.....	.....	.....	.....	S. G. W. and T. plentiful, F. scanty.	Large village.
	<i>Khaimoo</i>	...	...	...	91	.....	.....	Veshau bridge			
	<i>Kanabal</i>	...	...	...	94	.....	.....	Jhelum ,,			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XXXV	<i>ROUTE—contd.</i>	...	...	94	4						
8	Islamabad or Anant Nag P. O., T. O., C., E.	14	...	96	...	.....	Across Veshau and Jhelum drainage.	.....	5450	S. G. F. W. and T. plentiful.	Town, bazar, tehsil and head-quarters of zillah.

This route is usually open from the 1st May to the middle of November. Storms and keen winds are frequent on this high pass. Travellers should avoid crossing in bad weather, and should start about dawn to get over the pass before the wind rises.

At Chandimar 28 miles, two tracks branch out, one north-east over the Chhoti gulli pass 14,090 feet (see Route XXXVa), and the other south-east over the Mastan pass 13,780 feet.

The latter track rises up the Puran spur to the Mastan pass and descends to the foot of the Pir Punjal pass, being about 3 miles longer than the ordinary road.

From Poshiana 36 miles, a track branches up the Chittapani valley to its head over the Chittapani pass 14,540 feet and 44 miles, and descends down the Kachgul valley by Upper Sangarwini 56 miles, and Pakapura 68 miles, to Charar 73 miles. This pass is said to be difficult and bad for laden animals.

From Dubchi 55 miles, there is a path by Phudar 61 miles, to Pakapura 72 miles, and Charar 77 miles from Poonch.

XXXVa BARAMGALLA to SRINAGAR by CHHOTI GULLI PASS—

2	Baramgalla B, E.	...	...	26	...	Road good and passable through-out for laden animals.	Up Suran valley. ....	.....	5800	S. scarce, F. G. and T. moderate, W. plentiful.	Village on elevated plateau.
				27	...		.....	Suran bridge.			

	<i>Chundimar</i>	...	...	28	...	.....	Ascend Ala- topa spur of Pir Punjal range and continue along the top of this ridge.	.....	.....	.....	Iron works and vil- lage.	
	<i>Alahuri</i>	...	...	30	...	.....	.....	.....	.....	.....	Halting place.	
	<i>Baranuri</i>	...	...	34	...	.....	.....	.....	.....	.....	Ditto on spur.	
3	Hilloh <i>E.—</i>	...	10	4	36	4	Good road of easy gradient up to pass. Gradual descent from pass.	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place at head of valley.	
4	Loodur Marg <i>E.—</i>	...	13	4	50	...	.....	Chhoti gulli	.....	14090	Ditto	Pasture ground.
5	Surus <i>E.—</i>	...	13	..	63	.....	.....	Down Sang- sofed or DudhGunga valley on right bank.	.....	.....	S. precarious, T. nil, G. F. W. available.	Small village.
					65	...	Road emerges from the hills on to the well-cultivated plain of Kashmir.	.....	Dudh Gunga.			
					74	...	.....	.....	Yehara.			
6	Kralpoora <i>E.—</i>	...	14	...	77	...	.....	.....	.....	.....	S. G. F. W. moderate, T. nil.	Village.
7	Srinagar <i>P. O., T. O., C., E.</i>	...	8	...	84	...	.....	.....	Dudh Gunga. Amiran Kadal over Jhelum.	5235	S. G. F. W. abundant, T. ample.	Large city, fort and capital of Kashmir State.

At foot of the Chhoti gulli pass on the Kashmir side at mile 44 a track turns to the east and follows down the Kachgul valley to Pakapura 64 miles, Chrar 69 miles, Nagam 74 miles, Wabtor 78 miles, and Srinagar 87 miles from Poonch.

Or joining the track from the Chittapani pass it follows the same Kachgul valley by Upper Sangarwini 56 miles, to Pakapura 68 miles, and so on.

At mile 60, instead of going down the valley to Surus, there is a track eastwards to Gogipatri 62 miles, and to Chrar 68 miles.

The Chhoti gulli pass is of very gradual ascent and descent, and is the easiest of all the roads into Kashmir, though open only from July to October inclusive. All the approaches to it on the Kashmir side have grass, wood and water in abundance, and are quite passable for laden animals. The single road on the Poonch side has access to grass, wood and water in the valley below the Alatopa spur. Food-supplies must be taken through from Poonch or Srinagar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORTE AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

XXXVI SRINAGAR to JAMMU—See *Routes XII* by Pir Punjal Pass 11,400 feet 169 miles.
 XIII „ Budil „ 14,120 „ 130 „
 XIV „ Golabgurh or Kuri „ 12,530 „ 147 „
 XV „ Banihal „ 9,200 „ 155 „ 4 furlongs.

XXXVII SRINAGAR to SIALKOT by BUDIL PASS—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	Good made road along the cultivated plain to Wahtor, whence fair road onwards to Shupiyon, crossing the boulder beds of rivers.	Up Dudh Gunga valley right bank.	Amiran Kadal	5235	S. G. F. W. abundant, T. ample.	Capital of Kashmir State, cantonment and fort, large town and bazar.
	<i>Rambagh</i>	...	...	2	...	.....	.....	.....	.....	.....	Temple of Moharajah Golab Singh.
	<i>Kralpura</i>	...	...	6	4	.....	.....	.....	.....	.....	Large village.
1	Wahtor <i>Khanpur C.—</i>	...	9	9	...	.....	Across western drainage of Upper Jhelum valley.	.....	.....	S. G. F. W. procurable, S. nil, G. F. W. procurable, T. available.	Ditto. Halting place.
2	Ramu <i>B., E. confined—</i>	...	9	17	...	.....	.....	Ramchu ford.	.....	S. G. F. and W. procurable, T. available.	Village on Ramchu river, bungalow destroyed by fire, room in old dharmsala.
				18	...	.....	.....	.....	.....	.....

	<i>Shahju marg</i>	...	...	22	.....	.....	.....	.....	.....	.....	Old Imperial serai.
				25	4	.....	Mankund ford.				
				27	4	.....	Rembiara "				
3	Shupiyon <i>P. O., B., E.—</i>	...	11	...	29	...	Fair road to Budil pass, passable for laden animals.	.....	6715	S. G. F. W. and T. ample.	Town, bazar and tehsil.
	<i>Sedau</i>	...	...	...	34	.....	.....	.....	.....	.....	Large village and customs post.
4	Nazamdi Garhi <i>E. rock shelter—</i>	...	11	...	40	...	Easy ascent to pass but descent steep and difficult, though passable for laden animals.	Up Urseni valley left bank.	.....	S. and T. nil, G. F. W. plentiful.	Halting place, guard tower.
5	Delhi <i>E.—</i>	...	14	...	49	...	Stiff ascent and descent.	Budil pass. Across head of Chuniperai valley.	14120	Ditto	Halting place, a few huts.
	<i>Abid, E. limited</i>	...	...	...	59	...	.....	Down Budil valley.	.....	Ditto	Few scattered huts.
					61	...	.....	.....	.....	.....	.....
					64	...	.....	Budil ford.	.....	.....	.....
6	Budil <i>E.—</i>	...	11	...	65	...	Road stony and difficult, but passable for laden animals.	Across Ans valley.	.....	S. G. F. W. plentiful, T. available.	Large village and small fort.
					67	4	.....	.....	Ans bridge.	.....	.....
7	Bhagoli	...	6	...	71	...	.....	.....	.....	S. and T. nil, G. F. W. procurable.	Hamlet.
					75	...	Steep ascent 2 miles, along crest of hill 3 miles and descent 3 miles.	Choroosira ridge.	.....	.....	.....
8	Nar	...	8	...	79	...	Road stony and difficult, though passable.	Down Nar valley.	.....	S. precarious, G. F. W. procurable, T. nil.	Scattered village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XXXVII ROUTE—(contd.)		...	8	79	...						
9	Chele or Jandi ...	11	...	90	...	.....	.....	Nar ford	.....	S. G. F. W. procurable, T. nil.	Village.
		...	...	92	...	Steep and stony descent.	Chele gala	.....	4000		
10	Poni ...	8	...	98	...	.....	.....	.....	2000	S. G. F. W. plentiful, T. available.	Large village and State garden.
	<i>E.—</i>	...	...	100	...	.....	.....	Poni ford.			
		...	...	101	4	Stair ascent	Dal gala.				
		...	...	103	...	.....	.....	Katundra ford			
11	Jandrai Kapaionki baoli ...	...	...	106	...	.....	Jendar gala.				
		8	4	106	4	Stony road	.....	.....	2000	S. and T. nil, G. and F. plentiful, W. scarce.	Resting place in jungle.
12	Aknoor ...	7	4	114	...	Rough road passable for laden animals.	Down Chenab valley.	Chenab ferry	1142	S. G. F. W. plentiful, T. available.	Small town, fort and bazar.
	<i>Kaneki Chuk</i> ...	...	...	120	...						
13	Gujjanso ...	12	...	126	...	Rough cart-road along open cultivated plain to Sialkot.	.....	.....	.....	S. G. F. T. scanty, W. plentiful.	Small village.
		...	...	133	...		.....	Tawi ferry.			
14	Chaprar ...	10	...	136	...	.....	.....	.....	.....	S. G. F. T. after notice, W. plentiful.	Village.

15	Sialkot	...	13	...	149	829	S. G. F. W. and T. abundant.	Military cantonment, civil station, town, fort, bazar and head-quarters of district.
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Between Shupiyon and Budil, two alternative loop routes are available.

Firstly, up the valley of the Veshau river to its source the Konsa Nag 13,000 feet, a large lake of great sanctity and frequented by pilgrims, over the pass of the same name 13,250 feet, down the Chuniperal valley and across the Beberi spur range to Budil, the marches being through Sedau 5 miles, crossing the Veshau river near the falls of Haribal 2½ miles, Kungwattan 7 miles, Konsa Nag 10 miles, Pass 3 miles, Nundkot 6½ miles, Beberi ridge 4 miles, and Budil 5 miles. Total 43 miles.

Secondly, up the Rembiara valley to Aliabad Serai, thence crossing a spur ridge and up the Rupri valley to the mountain lakes which form its source; hence are 2 tracks over the Rupri pass 13,620 feet, one down the Lakial and Putsar spur, crossing the Beberi range to Budil, the other down the Panchgaber or Upper Ans valley to Budil; the marches from Shupiyon being up the Pir Punjal road to Hirpura 8 miles, and Aliabad Serai 12 miles; thence to Rupri 10 miles, Rupri pass 5 miles, Boorjarj 5 miles, Kundi 10 miles, and Budil 13 miles. Total 63 miles.

All these 3 passes Budil, Konsa Nag and Rupri are usually closed by snow from the first fall in November to the end of May.

From Budil a cross road westwards connects Rajaori and Kotli, the marches being Kundi 13 miles, Piri 6 miles, down Kundul valley and across Tohi river to Rajaori 12 miles, up Charkot valley to Ajeemgurh pass 10 miles, down Ban valley to Koireta 16 miles, and to Kotli 16 miles. Total 73 miles.

From Poni are cross routes eastwards to Riassi 10 miles, crossing the Chenab river at the Talwara ferry at the 8th mile, and westwards to Thandapani 14 miles, and to Naoshera 20 miles further.

From Aknoor, there is a rough cart-road eastwards, 16 miles to Jammu, half way is Nagbani, where are the stud stables of the Jammu State.

XXXVIII SRINAGAR to GUJRAT by PIR PUNJAL PASS—OLD IMPERIAL ROUTE—

Srinagar P. O., T. O., C., E.—	...	...	...	...	Good made road along the cultivated plain to Wahtor and fair road onwards to Shupiyon, fording the boulder beds of rivers and with bridges over small nullahs.	Up Dudh Gunga valley right bank.	Amiran Kadal	5235	S. G. F. W. abundant, T. ample.	Capital of Kashmir State, cantonment and fort, large town and bazars.
Rambagh	...	...	...	2		.....	.....	.....	.....	Temple containing ashes of Maharaja Golab Singh.
Kralpura	...	...	...	6	4	.....	.....	.....	.....	Large village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XXXVIII ROUTE—(contd)		...	...	6	4						
1	Wahtor ... <i>Khanpur</i> ... <i>C.—</i>	9	...	9	...	.....	Across Western drainage of Upper Jhelum valley.	..... Ramchu ford.	.....	S. G. F. W. procurable	Large village, halting place.
2	Ramu ... <i>B., E. confined—</i>	9	...	18	...	.....		.....	.....	S. G. F. W. procurable, T. available.	Village on Ramchu river. Bungalow destroyed by fire, room in old dhurmsala.
	<i>Shahju marg</i> ...	...	...	22	...	.....		.....	.....		Old Imperial serai.
				25	4	.....		Mankund ford.			
				27	4	.....		Rembiara ford.			
3	Shupiyon .. <i>P. O., B., E.—</i>	11	...	29	...	From Shupiyon the old made road has got out of order to Baramgalla and is difficult in places, though passable for laden animals.	Up Rembiara valley.	6715		S. G. F. W. and T. ample.	Town, bazar and tehsil.
4	Hirpura ... <i>B., C., E.—</i>	8	...	37	...			7700		S. procurable, G. F. W. plentiful, few coolies.	Small village on right bank Rembiara.
	<i>Dubchi</i> ...	...	...	40	...						
	<i>B.—</i>	...	...	41	...						
	<i>Suk Serai</i> ...	...	...	42	...	The scenery is very beautiful.					<i>Shahkot</i> on right bank.
5	Aliabad Serai ... <i>B., C.—</i>	12	...	49	...	.....	.....	10000		S. and T. nil, G. F. W. plentiful.	Halting place.

6	Poshiana <i>C., E. on house tops—</i> <i>Chundimar</i>	11	...	54 ... 60 ... 66 ..	..... ..... .....	Pir Punjal pass. Down Chittapani or Suran valley. .....	..... Cross Chittapani and Suran river by numerous bridges.	11400 8150 .....	..... S. W. scarce, G. F. plentiful, T. nil.	Shelter hut on pass. Village deserted in winter.
7	Baramgalla <i>B., C. —</i>	8	4	68 4 74 ...	..... .....	..... Ratan Pir pass.	Purnai bridge and water- falls.	5800 8200	S. scarce, G. F. W. plentiful, few coolies.	Village and iron works. Small village and fort in deep gorge near confluence of Purnai nullah and Suran river.
8	Thana Mandi <i>B., C., E. small—</i> <i>Saj Serai</i> <i>Futtehpur Serai</i>	10	4	79 ... 80 ... 87 ... 90 ..	Old made road in fair order to Nao- shera and much used by traders.	Down Tohi valley left bank. .....	..... Tohi ford.	4580	S. G. F. W. plentiful, T. available.	Village on right bank Tohi, salt depot. On top of hill.
9	Rajaori (Rampur) <i>P. O., B., C.—</i> <i>Moradpur Serai</i> <i>Talmakot</i>	14	...	92 ... 93 ... 94 ... 97 ... 103 ...	..... ..... ..... ..... .....	..... Down Tohi valley along right bank.	Durhal ford. Tohi ford bridge unfinished. Panda ford.	3094	S. G. F. W. plentiful, T. ample.	Town and bazar, well built on right bank Tohi. B. opposite on left bank.
10	Chingas Serai <i>B., C.—</i> <i>Nadpur Serai</i>	15	...	108 ... 113 4 116 .. 119 ...	..... ..... ..... .....	..... ..... Chaini spur .....	..... Lilali baoli Chopi ford.	2340 2000 2400	S. G. F. W. plentiful, coolies available.	Serai and village. Spring pure water.
11	Naoshera <i>P. O., B., C., E.—</i>	13	4	121 4 127 ...	Hence the road though made, has fallen into bad order in many parts and become very rocky and stony in crossing both ranges.	..... Koman Gosha	Janbir ford Forded river bed 4 times.	1800 2870	Ditto	Small town, serai fort, tehsil and bazar.
12	Saidabad <i>B., C., E.—</i>	12	4	134 ... 135 4 141 ..	..... ..... .....	Down Bhimber valley. Aditak range.	..... Samani ford.	2000 2800	S. G. F. W. plentiful, T. available.	Samani village 2 miles off west- wards.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XXXVIII ROUTE—(contd.)											
	<i>Mitret</i> ...	...	...	141	...						
13	Bhimber <i>P. O., B., C., E.—</i>	14	...	148	...	.....	.....	Bhimber river forded 6 times.	1060	S. G. F. W. plentiful, T. available.	Small town, bazar, head-quarters of zillah.
14	Kotla <i>D. B.—</i>	8	4	156	4	Cart-road hence cut up in places to Kotla: fair, dry weather, road unmetalled and unbridged to Gujrat over which ekkas and tongas can travel.	DownBhimber valley.	Bhimber ford.	980	S. G. F. procurable, W. from wells, few coolies.	Small village.
15	Daulatnagar <i>P. O., D. B.—</i>	8	...	164	4		.....	.....	.....	Ditto	Large village.
16	Gujrat City <i>P. O., T. O., C., E. on G. T. road—</i>	...	...	176	...		.....	.....	.....
16	Gujrat Railway Station. <i>P. O., T. O., D. B.—</i>	13	4	178	...	.....	.....	.....	.....	S.G.F.W. plentiful, T. ample.	Large city and civil station on N.-W. Railway.

From Aliabad Serai 49 miles, there are alternative Routes over the two Durhal passes as under, both passable for laden animals.

Aliabad Serai 49 miles up the Indili valley to its source the Nundun Sar 58 miles, over the first Durhal pass 13,080 feet, 59 miles, down by Nilsar to

Beloh, 63 miles in the Puran valley, thence crossing the Ratan Pir range at 64 miles, the road drops to Durhal 69 miles, and to Rajaori 83 miles.

The other route from Aliabad Serai crosses the spur ridge between the Indili and Rupri rivers, and ascends to Rupri 59 miles, and Bhagsar 61 miles, over the second Durhal pass 13,460 feet and 62 miles, and drops to Beloh 67 miles, where it joins the first route towards Rajaori.

The Pir Punjal pass is open from May to about the middle of November, the two Durhal passes are open only from July to end of October. The route over the first Durhal pass is said to be the easiest to travel when the rivers are low and fordable. From Baramgalla 68 miles 4 furlongs, a good road goes west down the Suran valley by Suran 80 miles, to Poonch 94 miles. There are 7 bridges over the Suran river, and the passage of traffic depends upon these being maintained in good order. From Rajaori 93 miles, there is a cross road through the hills to Kotli, it ascends the Charkoh valley to the Ajeemgurh pass 103 miles, and descends down the Ban valley to Koireta 119 miles, and to Kotli 135 miles. From Bhimber 149 miles, a road goes direct S.-W. under the Pubbi hills to the Kharian Railway Station 168 miles, and is used in the rainy season to avoid any crossing of the Bhimber river. From Daulatnagar 164 miles 4 furlongs, a road goes westwards crossing the Bhimber river at 174 miles to the Lala Musa Railway Station 174 miles, and another goes eastwards by Julalpur 175 miles, to Sialkot 199 miles, crossing the Chenab river by the Muhutah ferry at 185 miles.

XXXIX SRINAGAR to POONCH — See <i>Route</i> —XXX	by Haji Pir	Pass 8,500 feet,	98 miles.
XXXI	” Pajja	” 10,000	” 92 ”
XXXIa	” Gajan	” 9,135	” 102 ”
XXXIII	” Firozpur	” 12,000	” 74 ”
XXXIIIa	” Zamir	” 13,470	” 73 ”
XXXIV	” Tosha Maidan	” 12,500	” 68 ”
XXXIVa	” Nurpur or Sangsofed	” 13,610	” 75 ”
XXXVa	” Chhoti gulli	” 14,090	” 85 ”

In May and June the Haji Pir or Gajan route should be selected ; in July to October inclusive, the Firozpur, Tosha Maidan and Nurpur routes are shortest, while the Chhoti gulli is the easiest of all, and the Pir Punjal route is the longest. There is lovely scenery with fine views on every route, the Gajan, Tosha Maidan and Pir Punjal being perhaps superior in this respect. From November to April, all these routes are, as a rule, closed by snow, while in April, when the snow melts, they are all liable to *avalanches* of snow, especially on the Haji Pir, Pajja, Firozpur and Zamir passes.

XL SRINAGAR to RAMPUR by GULMARG—

1	Srinagar	...	...	0	...	Good road to	.....	Amiran Kadal	5235	S. G. F. W. T.	Capital of Kashmir
	<i>P. O., T. O., C., E.—</i>	...	...	1	4	Purana Chowni,	.....	Dudh Gunga		abundant.	State, large city,
	<i>Purana Chowni</i>	...	...	4	...	thence narrow	..	bridge.			&c.
	<i>Narbal</i>	...	...	10	...	raised bank	..	Suknag			
	Magam	...	16	...	16	through swamps,	.....	bridge.		S. G. F. T. procurable	Small village.
	<i>B., E. small—</i>	...	...	...	...	very muddy and		.....		in season,	
						slippery after				W. plentiful.	
						rain to Magam.					

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XL	<i>ROUTE—(contd.)</i> ...	16	...	16	...						
2	Gulmarg ... <i>P. O., T. O., hotel, E.</i>	14	...	30	...	Good road hence to Gulmarg, though stony in places.	.....	.....	8500	S. and T. moderate in season, W. distant, G. F. ample.	Sanitarium and bazar in season.
3	Linian marg ... <i>E.—</i> <i>Nowshera</i> ... <i>Bhunniar</i> ...	10	...	40	...	Fair road through alternate pine forest and marg down to Nowshera, where it joins the Jhelum cart-road.	.....	Kechama ford	9400	S. and T. nil, G. F. W. ample.	Shepherd's huts.
4	Rampur ... <i>P. O., T. O., D. B., E.</i>	14	...	54	...		.....	Harpetkai bridge.	5000	... ..	Ancient Buddhist temple.
							.....	.....	4900	S. G. F. W. moderate a few coolies.	All supplied by Nawab of Bhunniar.

There is another track from Srinagar to Gulmarg across the Hokarsar swamps to Syboog 8 miles, Hardu 16 miles, where the Suknag river is crossed by a ford, Khundahama 18 miles, Firozepur 26 miles, Gulmarg 30 miles. At Firozepur several streams of the Bahun river have to be crossed. There is no advantage in this route, and during the rainy season the swamps and Bahun streams are often unfordable.

XL_a SRINAGAR to GULMARG via PATAN—

	Srinagar ... <i>P. O., T. O., C., E.—</i>	...	...	0	...	Carriage road under construction to Patan.	.....	Amiran Kadal Dudh Gunga bridge.	5235	S. G. F. W. T. abundant.	Capital of Kashmir State, large city, &c.
		...	...	2	...		.....	

	<i>Harprat</i>	...	...	13	...	.....	.....	Suknag bridge.			
	<i>Hanji pur</i>	...	...	16	..	.....	.....	Hanji pur bridge.			
1	Patan <i>E.—</i> <i>Chandesir</i>	...	19	19	...	Good mule track over Karewah land and through pine forest to Gulmarg.	.....	.....	.. ..	S. G. F. T. available, W. from spring.	Village and ancient ruins.
	<i>Baba Marishi</i> <i>B., C., E.—</i>	...	...	34	...		.....	.....	.....	S. G. F. W. procurable, T. nil.	Mahomedan shrine.
2	Gulmarg <i>P. O., T. O., hotel, E.—</i>	...	17	...	36	...	.....	...	8500	S. T. moderate in season, W. distant, G. F. plentiful.	Sanitarium and bazar in season.

This though longer is likely to become the favourite land route as soon as the carriage road between Srinagar and Patan to Baramulla is finished. Visitors will drive in their carriage or tongas to Patan in 3 hours and either rest there, when a bungalow is built for the accommodation of travellers, or ride over at once to Gulmarg, doing the whole journey in one day. Eventually a carriage road from Patan to Gulmarg is quite feasible with a ruling gradient of 1 in 20.

XL^b SRINAGAR to GULMARG by POLHALLAN—

	Srinagar <i>P. O., T. O., C., E.—</i> <i>Shadipur</i>	...	...	0	...	By boat down the Jhelum river to Shadipur, thence by Noroo canal and western branch to Polhallan. Good mule track over Karewah land and through pine forest to Gulmarg.	.....	.....	5235	S. G. F. W. T. abundant.	Capital of Kashmir State, large city, &c.
1	Polhallan <i>E.—</i> <i>Chandesir</i>	...	25	...	25	...	.....	...	.....	S. G. F. W. T. procurable.	Large village.
2	<i>Baba Marishi</i> <i>B., C., E.—</i>	...	...	...	40	...	.....	.. ..	.....	S. G. F. W. procurable, T. nil.	Mahomedan shrine.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XLb	<i>ROUTE—contd.</i> ...	...	...	40	...						
2	Gulmarg <i>P. O., T. O., hotel, E.—</i>	17	...	42	...	.....	.....	.....	8500	S. T. moderate in season, W. distant, G. F. plentiful.	Sanitarium and bazar in season.

This route is often taken in May and June when there is water enough in the Noru canal, and its western branch through the Rurangaru swamp to Polhallan. In July and August the musquitoes and insects are a terrible pest, and musquitoe nets are indispensable. From Polhallan the march to Gulmarg is done in one day, being reckoned as 1½ stages.

XLc SKINAGAR to GULMARG by SOPUR—

	Srinagar <i>P. O., T. O., C., E.—</i> <i>Shadipur</i>	...	...	0	...	By boat down Jhelum river and across Woolar Lake to Sopur.	Down Jhelum river.	.....	5235	S. G. F. W. T. abundant.	Capital of Kashmir State, large city, &c.
1	Hajan	27	...	27	...	.....	.....	Across Woolar Lake.	.....	.....	Large village of boatmen at mouth of Woolar Lake.
2	Sopur <i>P. O., T. O., B., C., E.</i> <i>Minagam</i>	18	...	45	...	Good mule track to Gulmarg.	Up Ningul valley.	.. ..	5185	S. G. F. W. T. plentiful.	Town, bazar and head-quarters of Kamraj zillah.
		...	...	57	...						

3	Kontra <i>E.—</i> <i>Baba Marishi</i> <i>B., C., E.—</i>	...	15	...	60	...	.....	Up Nambalnar valley and spur.	.....	.....	S. G. F. W. T. procurable.	
4	Gulmarg <i>P. O., T. O., hotel E.—</i>	...	7	...	67	...	.....	.....	.....	8500	S. T. moderate in season, G. F. plentiful, W. distant.	Sanitarium and bazar in season.

There is another road to Gulmarg by Baramulla, the whole distance from Srinagar to Baramulla being by water 60 miles round by Woolar Lake, or 50 miles by the Noru canal between Shadipur and Sopur, or by carriage road *via* Patan 35 miles. From Baramulla there is a good road ascending a spur on to the table land and along this watershed to Kontra 11 miles, where it crosses the Ningul river and joins the Sopur road onwards by Baba Marishi to Gulmarg 7 miles. Total 18 miles.

XLII SRINAGAR to JHELMUM by JHELMUM VALLEY —

	Srinagar <i>P. O., T. O., C., E.—</i> <i>Harprat</i>	...	...	...	0 2 13	...	Carriage road bridged and metalled under construction to Baramulla.	Down Jhelum valley left bank to Kohala.	Amiran Kadal Dudh Gunga bridge. Suknag bridge	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State, military cantonment and fort, large city and bazar, &c.
1	Patan <i>E.—</i> <i>Bulgaon</i>	...	19	...	19 27	...	.....	.....	.....	5200	S. G. F. T. available, W. from springs.	Village and ancient ruins, road turns off to Gulmarg.
2	Baramulla <i>P.O., T.O., D.B., C., E.</i> <i>Sher</i> <i>Bhunniar</i>	...	16	...	35 39 49	...	Carriage road through to Kohala, bridged and metalled.	.....	..... Kechama bridge. Harpetkai bridge.	5175 5000	S. G. F. W plentiful, T. after notice.	Town, bazar and tehsil. Ancient Bhuddist temples.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XLI	<i>ROUTE—contd.</i>	...	4						
3	Rampur <i>P. O., T. O., D. B., E.—</i>	15	5		.....	.....	4900	S. G. F. W. moderate, few coolies.	Beautiful camping ground on terrace lined with deodars.
4	Uri <i>P. O., T. O., D. B., E. confined—</i>	13	3	This hill road recently constructed passes through metamorphic rocks between Baramulla and Uri and the Murree rock formation, hence to Kohala.	.....	Namila bridge	4390	S. G. F. procurable, W. scarce, few coolies.	Village on fine plateau well cultivated. Fort and tehsil.
5	Chakoti <i>D. B., E. very small—</i> <i>Chenar stage</i> <i>Neli</i>	13	4	After heavy rain landslips are liable to occur owing to the friable nature of the shaly rocks.	Down Jhelum valley on left bank.	.....	3700	S. G. F. W. moderate, T. available.	Small village on cultivated plain.
6	Hatian <i>Ser neck</i>	10	6	.....	.....	Hatian bridge	3000	S. G. F. T. moderate, W. plentiful.	Police post, old D. B. in ruins.
7	Garhi <i>P. O., E., D. B.—</i>	10	4	.....	.....	.....	2700	S. G. F. W. and T. available.	Open cultivated plain, large village on opposite bank.

8	Dumel ... <i>P. O., T. O., D. B.,</i> <i>E. moderate—</i> <i>Rara</i> ...	13	4	112	2	The same Murree rock formation continues down the Jhelum valley to Owen ferry where it gradually merges into the Sewalik or tertiary formation.	.....	.....	2225	S. G. F. W. plentiful, T. available.	Bazar, junction of Jhelum and Kishengunga rivers.
9	Dulai ... <i>D. B., E. very small—</i> <i>Chatar</i> ...	9	2	121	4		.....	.....	2105	S. G. F. W. procurable, few coolies after notice.	Hamlet.
	<i>Barsala</i> ...	...	...	125	...		.....	Agar bridge	2029	.....	Bungalow reserved for H. H. Maharaja.
				132	...	.....	.....	2010	.....	
10	Kohala ... <i>P. O., T. O., D. B.,</i> <i>E. very small—</i>	12	...	133	4	From Kohala ascend cart-road 7 m. 3,108f., and descend footpath sharply to Kopadar, thence keep along old road made by Captain Hall, Dy. Commr. of Pindi, along right bank down to Soha.	Down Jhelum valley right bank.	Jhelum bridge	1916	Ditto	Small bazar, customs post. Jhelum river.
		...	...	140	4		.....	.....	1868	.....
		...	...	3108	...		.....	.....	3108	.....
11	Kopadar ferry ...	10	4	144	...	.....	.....	1815	S. from Jhanjhana, G. F. W. plentiful, T. nil.	Used by men carrying timber to Murree.	
12	Malot or Dhara ferry ...	10	...	154	...	.....	.....	1677	S. from Malot, G. F. W. plentiful, few coolies.	Crossing of road from Poonch to Murree.	
13	Rampatan ... <i>Makroch</i> ...	10	...	164	...	This old road much neglected and in bad order, has become very difficult for laden animals.	.....	.....	1568	S. precarious, G. F. W. plentiful, T. nil.	Ditto.
		..	...	167	...		.....	.....	2205	.....
14	Luchmun Bhatea	7	...	171	...	.....	.....	1480	S. from Baroi, G. F. W. plentiful, T. nil.	Crossing of Poonch and Rawal Pindi road.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XLI	<i>ROUTE—contd.</i> ...	7 ...	171 ...						
	<i>Soha</i> ...	... ..	176 ...	From Soha there is only a footpath down the valley to Tangrot. This path leaves the river in many places to surmount high cliffs which project into the river.	.....	.....	1409	.....	Soha village 2,650ft.
15	Owen ferry ...	11 ...	182 ...		.....	.....	1360	S. & T. from Bewar, G. F. plentiful, W. springs.	Crossing of road from Poonch to Mandra Railway Station.
	<i>Kanand</i> ...	... ..	186 ...		.....	.....	1320	S. from shop, W. springs.	
	<i>Sobheri</i> ...	... ..	191 ...		.....	.....	.....	S. from shop, W. springs.	
16	Salgraon ferry ...	14 ...	196 ...		.....	.....	1210	S. from shop, G. F. plentiful, few coolies.	Crossing of road from Kotli to Mandra Railway Station.
17	Danguli or Palalan ferry ...	13 ...	209 ...		.....	.....	1080	S. from Palalan, G. F. W. plentiful, few coolies.	Crossing of road from Kotli to Gujarkhan Railway Station.
	<i>Hil ferry</i> ...	... ..	216 ..	Only coolies lightly laden can traverse this track, and ponies cannot be led over it.	.....	.....	1010	F. W. plentiful, few coolies.	
18	Bagham ferry ...	10 ...	219 ...		.....	.....	970	S. G. F. W. plentiful, T. available.	Large village.
19	Tangrot ferry ...	10 ...	229 ...	From Tangrot fair road passable for laden animals to Shikarpur, whence rough cart-road over open cultivated plain to Jhelum.	Down Jhelum valley right bank	.....	870	S. G. F. W. T. procurable.	Junction of Poonch and Jhelum rivers.
	<i>Mungla ferry</i> ..	... ..	237 ...		.....	.....	...	.....	Fort on left bank in Kashmir territory.
20	Shikarpur B.— ...	12 ...	241 ...		.....	.....	810	S. G. F. W. and T. procurable after notice.	Small village.

	<i>Kutiali ferry</i>	..	...	244	...	.....	.....	.....	.....	.....	Crossing of road from Mirpur to Jhelum.
	<i>Sukchainpur</i>	...	...	247	...	.....	.....	780	.....	.....	Forest depôt on left bank in Kashmir.
21	Jhelum <i>P.O., T.O., D.B., C., E.</i>	...	13	...	254	...	.....	740	S. G. F. W. and T. abundant.	.....	Cantonment, civil station, town, head-quarters of district, station on N.-W. Ry.

On this route from Kohala to Jhelum, the heights of river at each crossing are given. The section Kohala to Tangrot is not passable for laden mules or riding ponies, and is used only by occasional fishermen who find grand sport. From Tangrot small and large boats can be floated down the rapids to Jhelum City.

Where vertical cliffs project into the river, the only way is to cross over to left bank, if there is a convenient ferry or to surmount the hill spur above and descend again to right bank

The halting places are at the ferries, and the ground for camping very small. A traveller should take through transport, unless he can afford to wait at each stage and give notice to the nearest large village for coolies.

From Uri 64 miles, a road branches off southwards over the Haji Pir pass to Poonch 98 miles, see Route XXX, and for its continuation to Kotli 128 miles, and to Jhelum 197 miles, see Route XXIV, which is much shorter and easier than following down the Jhelum valley.

For the Poonch and Murree road crossing at Dhara ferry, see Route XXVII.

For the Poonch and Rawal Pindi road crossing at Luchmun Bhatra, see Route XXVI.

XLII SRINAGAR to RAWUL PINDI by MURREE—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	Carriage road under construction bridged and metalled to Bara-mulla.	Down Jhelum valley on left bank.	Amiran Kadal Dudh Gunga bridge.	5235	S. G. F. W. T. abundant.	Large city, fort. summer capital of Kashmir State.
	<i>Purana Chowni</i>	...	...	2	...			.....	.....	.....	Road branches to Gulmarg.
	<i>Harprat</i>	...	...	5	...		.....	Suknag bridge	.....	.....
1	Patan <i>E.—</i>	...	19	...	19	.....	.....	.....	5200	S. G. F. T. available, W. from springs.	Small village, two ancient Hindu temples in ruins.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XLIII	<i>ROUTE—contd.</i>	19	...	19	...						
	<i>Polhallan</i> ...	...	...	21	...	.....	.....	.....	.....	Road branches to Gulmarg.
	<i>Bulgaon</i> ...	..	...	27	...	.....	Ningul bridge	.....	.....	Road branches to Sopur.
2	Baramulla ... <i>P. O., T. O., D. B., E.</i>	16	...	35	...	Carriage road through to Rawul Pindi used by all wheeled traffic, bridged and metalled.	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar, tehsil, temple ruins at Uskara.
	<i>Sher</i> ...	...	..	39	...	.....	Kechama bridge.	... ..	.....	Wide plain, cultivated.
	<i>Naoshera</i> ...	...	...	46	4	.....	Naoshera bridge.	.....	.....	Road branches to Gulmarg.
				48	...	.....	.....	.....	.....	Ancient Buddhist temple.
	<i>Bhunniar</i> ...	...	..	49	2	.....	Harpetkai bridge.	5000	.....	Saw mill, workshop, residence of Road Engineer.
3	Rampur ... <i>P. O., T. O., D. B., E.</i>	15	5	50	5	From Baramulla to Uri, the road traverses metamorphic rocks, and from Uri to Tret passes through the Mur-	4900	S. G. F. W. T. moderate.	Beautiful camping ground on terrace lined by deodar trees.
		...	...	57	...	.....	.....	.....	.....	Ancient temple in ruins.
		..	...	62	...	.....	Namila bridge.	.....	.....

4	Uri <i>P.O., T.O., D. B., E.—</i>	13	3	64	...	ree rock formation. This road is liable to landslips after heavy rain and snow owing to the friable nature of the shaly rocks.	.....	.....	4390	S. G. F. T. procurable, W. scarce.	Village on fine plateau, well cultivated, small fort, tehsil.
	<i>Bujadanga</i>	...	...	65	...		.....	Islamabad bridge.	.....	.....	Cliffs gorge.
	<i>Dardkot</i>	...	...	71	..		.....	.....	.. ..	.....	Ditto.
	<i>Baranbat</i>	...	...	74	...		.....	.....	.....	.....	Ditto.
	<i>Opi</i>	...	...	75	..		.....	Opi bridge.	.....	.....
5	Chakuti <i>D. B., E. small—</i>	13	4	77	4	.....	.....	.....	3700	S. G. F. W. moderate, T. available.	Small village on cultivated plain.
	<i>Chenar stage</i>	...	...	82	2	.. ..	.. ..	.....	.....	.....	Kathai, residence of Nawab Sultan Mahomed Khan, on right bank.
	<i>Neli</i>	...	...	86	2	The worst months are usually March and April when the snow melts, and the spring rain sets in.	.. ..	Neli bridge	.....	.....	Plateau above road.
6	Hatian <i>Ser neck</i>	10	6	88	2		.....	Hatian bridge	3000	S. G. F. T. moderate, W. plentiful.	Police post, old D. B. in ruins.
		...	...	93	6		.....			
7	Garhi <i>P. O., D. B., E.—</i>	10	4	98	6		.....	.....	2700	S. G. F. W. and T. available.	Cultivated plain. Large village, Hatian on right bank.
8	Dumel <i>P. O., T. O., D. B., E. small—</i>	13	4	112	2	This road is usually closed to wheeled traffic from the middle of December to the middle of March, when it is covered by snow between Srinagar and Uri and for about 16 miles over the Murree hill.	.....	.....	2225	S. G. F. W. plentiful, T. available.	Bazar at junction of Jhelum and Kis h e n g u n g a rivers.
	<i>Rara</i>	...	...	117	6		.....			
9	Dulai <i>D. B., E. very small—</i>	9	2	121	4		.....	.....	2105	S. G. F. W. procurable, T. after notice.	Hamlet.
	<i>Chatar</i>	...	...	124	4		.....	Agar bridge	2029		
	<i>Barsala</i>	...	...	126	..		.....	.. ..	2010	.....	Bungalow reserved for H. H. Maharaja, and shop.
	<i>B.—</i>	...	...	132	...		.....	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN -FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XLII	<i>ROUTE—contd.</i> ...	...	...	132	4						
10	Kohala ... <i>P. O., T. O, D. B., E. very small—</i>	12		133	4	.....	.....	Jhelum bridge	1916	S. G. F. W. procurable, T. after notice.	Small bazar and customs post.
				135	...	When this Murree section is blocked by snow, travel- lers follow the old bridle road between Kohala by Dewal to Murree	Down Jhelum valley right bank.	Kunair bridge	1925		
11	Phagwari ... <i>Rewat, Road bungalow Jhika gully</i>	12	2	145	6		Ascent of Murree hill.	.....	.....	S. G. F. W. available, T. nil.	Village with two shops.
	<i>Kuldanha</i>	...	...	157	...		.....	.....	6800	.....	Bridle road from Murree to Dewal crosses.
12	Sunny bank un- der Murree ... <i>Lodging house— Murree Brewery Gora Gali</i>	15	2	161	...	Excellent hill car- riage road, hence to Rawul Pindi, well maintained.	Descent of Murree hill.	.....	6600 5200	S. G. F. plentiful, W. from new supply, T. ample.	Murree is a civil and military sani- tarium with large bazar.
13	Tret ... <i>P. O., D. B., E.— Chattar garden</i>	11	2	172	2	.....	.....	.....	2900	S. G. F. W. procurable, T. nil.	Small bazar.
				174	4	.....	.....	Salgram bridge.			
				179	2						

14	Barakao <i>D. B., E.—</i>	...	12	...	184	2	.....	.....	Barakao causeway.	1950	Ditto	Two shops and police post.
					188	2	.....	.....	Pungrel causeway.			
15	Rawul Pindi <i>P. O., T. O., D. B., hotels, C., E.—</i>	..	13	4	197	6	.....	.....	.....	1700	S. G. F. W. and T. abundant.	Large military cantonment, civil station, large city, head-quarters of district and sta- tion on N.-W. Ry.

At Dumel 112 miles 2 furlongs, a road $1\frac{1}{2}$ mile long after crossing the Jhelum river by at present a temporary wire rope suspension bridge branches to Mozufferabad, a town and head-quarters of zillah at the entrance of the Kishengunga valley.

Another road forks out to Abbottabad, see Route XLIII.

Murree Church is distant 3 miles, from Sunny bank 161 miles, and, as a rule, most travellers prefer halting in Murree, where there are good hotels and a club.

From Murree there are 2 roads westwards to Abbottabad, for the upper, see Route XXVII, and for the lower, see Route IXa.

From Kohala there is an old bridle road up the hill spur to Dewal 11 miles, Jhika gully 18 miles, and Murree 20 miles.

XLIIa HATIAN to KOHALA by OLD ROAD—

6	Hatian	...	...	...	88	2	Fair track ascend- ing to Chikar.	.....	Hatian bridge.	3000	S. G. F. T. moderate, W. plentiful.	Police post.
7	Chikar	...	10	...	98	2	.....	.....	Hatian ford	.....	S. G. F. T. W. procurable.	Village. Pir Punjal range.
					99	...	.....	Basoli gully	... ..	.....
					102	...	.....	Across Agar valley.				
8	Maira	...	8	...	106	2	.....	.....	.....	.....	Ditto	Village.
					109	4	.....	.....	Agar ford.	.....	
9	Danna	...	7	...	113	2	Steep descent to Jhelum river.	.....	.....	.....	S. G. F. W. plentiful.	Large village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE		TOTAL.							
		m.	f.	m.	f.						
XLIIa	<i>ROUTE—contd.</i> ...	7	...	113	2						
10	Kohala ...	7	..	120	2	.....	.....	Jhelum bridge	1916	S. G. F. W. procurable, T. after notice.	Small bazar and customs post.

From Garhi 98 miles 6 furlongs another short cut may be made by climbing up the hill at the back of the Dak Bungalow to the Kot village, 3,000 feet, thence descending gradually down the Agar valley to Chatar on the Jhelum road 114 miles, thus saving 12 miles. The path is fair but stony, and fit only for men on foot.

XLIII SRINAGAR to KALAKE SERAI or HASSAN ABDAL by ABBOTTABAD—

1	Srinagar	0	...	Carriage road under construction to Baramulla, or go by boat down Jhelum river and through Woolar Lake 60 miles. If Noru canal between Shadipur and Sopur be open, then 50 miles.	Down Jhelum valley on left bank.	Amiran Kadal	5235	S. G. F. W. and T. abundant.	Large city, fort, bazar and summer capital of Kashmir state.
	<i>P. O., T. O., C., E.—</i>	...	...	2	...			Dudh Gunga bridge.	
	<i>Purana Chowmi</i>	...	...	5	...			Suknag bridge.	
	<i>Harprat</i>	..	...	13	...			.....
	Patan	...	19	...	19			...	5200			S. G. F. T. available, W. from springs.	Small village, two ancient Hindu temples in ruins.
<i>E.—</i>	21	Road branches to Gulmarg 17 miles.		
<i>Polhallan</i>	27	Ningul bridge	Road branches to Sopur 4 miles.	
<i>Bulgaon</i>	27	

2	Baramulla <i>P.O., T.O., D.B., E.—</i>	16	...	35	...	.....	Cross Jhelum river to right bank.	Jhelum bridge	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar, tehsil.
	<i>Bhimbiar</i>	...	...	45	...	.....	.....	.....	.....	.....	Gypsum alabaster quarries 3 miles up side valley.
				47	...	.....	.....	Limber ford.	.....	.....
	<i>Tatamulla</i>	...	...	49	..	Fair hill road pass- able for laden	.....	.....	4846	.....	Jagir of De wan Luchmun Doss.
3	Gingl <i>E.—</i>	18	...	53	...	animals but diffi- cult in places.	.....	Bijhama bridge	4618	S.G. F.W. procurable, few coolies.	Bijhama 2 miles up side valley, sum- mer residence of N a w a b Sultan Mahomed Khan.
				55	...	.....	.....	Dodiali bridge.	.....	.....	Ancient ruins of city and temple.
	<i>Dawaren</i>	...	...	56	..	.....	.....	.....	.....	.....
	<i>Old Imperial serai in ruins</i>	...	...	59	...	.....	.....	.....	4283	.....
	<i>Dina</i>	...	...	63	..	Rough hill road stony with many	.....	.....	4798	.....
4	Shadera <i>B.—</i>	12	2	65	2	ascents and des- cents and much	.....	.....	4294	Ditto	Ditto.
				69	..	cut up after heavy rain.	Kumar must	.....	4682	.....
5	Kathai <i>E.—</i>	10	6	76	...	.....	...	Kathai ford	3665	S. G. F. W. and T. available.	Winter residence of N a w a b Sultan Mahomed Khan.
				79	2	.....	Cowdanda	.....	4045	.....
	<i>Peliasa</i>	...	...	80	...	...	.....	Peliasa ford,	.....	.....
6	Khunda	8	6	84	6	.....	.....	.....	3540	S. scarce, G. F. W. procurable, T. nil.	Small village.
	<i>Dopatta</i>	...	...	92	...	.....	.....	Dopatta ford	.....	.....	Old fort.
7	Hattian <i>Malsi</i>	10	...	94	6	Good hill road on- wards.	.....	.....	2665	S. G. F. W. and T. available.	Large village.
		...	...	97	..	.....	.....	Dwarsida ford	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XLIII	<i>ROUTE—contd.</i>	...	...	97	...						
8	Mozufferabad ... <i>P. O., T. O., D. B. at Dumel, C., E.—</i>	13	2	108	...	Rough track very stony and much cut up, steep approaches to pass on both sides.	.....	Kishengunga bridge.	2222	S. G. F.W. plentiful, T. after notice.	Town, fort, bazar, head-quarters of zillah.
				109	...		.....	.....	.....	.....	Old Imperial serai.
				115	...		.....	.....	4556	.....
9	Garhi Habibulla <i>P. O., D. B., C., E. small</i>	10	4	118	4	Fair hill road passable for ekkas.	.....	Nansook or Kunhar bridge	2648	S. G. F. W. and T. available.	Large village and bazar.
				125	6	.....	.....	.....	4004	.....
				133	4	.....	.....	.....	3360	.....
10	Mansera ... <i>P. O., D. B., E.—</i>	18	...	136	4	Fair cart-road earthen.	.....	Ichur bridge Batti "	3540	S G. F. W. and T. plentiful.	Large village and tehsil.
				125	6	.....	.....	.....	4004	.....
				133	4	.....	.....	.....	3360	.....
				136	4	.....	.....	.....	3540	.....
11	Abbottabad .. <i>P. O., T. O., D. B., E.—</i>	16	...	152	4	Good road bridged and metalled.	.....	.....	4005	S G. F. W. and T. ample.	Military cantonment, civil station, town, head-quarters of district
				153	..	Tonga dak runs to Hassan Abdal.	.....	Dor ford	2700	.....	Hazara.
				161	...	.....	.....	.....	2700	.....	Halting place.
	<i>Chamba</i>	...	...	163	..	.....	.....	.....	2610	S. G. F. W. after notice, T. nil.	Halting place.
	<i>B. C., E —</i>	...	...	163	..	.....	.....	.....	2610	S. G. F. W. after notice, T. nil.	Halting place.
	Haripur ... <i>P. O., T. O., D. B., C., E.—</i>	23	2	175	6	.....	.....	.....	1730	S. G. F. W. and T. plentiful.	Town, bazar, tehsil.
	<i>Huttar</i>	...	...	189	...	.....	.....	.....	.....	S. G. F. after notice,	Halting place.
	<i>Balar tope</i>	..	...	191	...	.....	.....	Haro ford	1600	W. from well, T. nil.	

13	Kala-ke Serai ... <i>P. O., T. O., D. B.—</i>	21	2	197	...	.....	.....	.....	1690	S. G. F. T. after notice, W. from well.	Railway station on N.-W. Railway.
	or Hassan Abdal ... <i>P. O., T. O., D. B.,</i> <i>1½ mile from rail- way station.</i>	19	...	194	6	.....	.....	.....	1400	S. G. F. W. and T. available.	Ditto.

From Peliasa 80 miles there is a track up the side valley northwards over the Hattian gulli of the Kajnag range which descends into the Karna valley to Titwal on the Kishengunga river 20 miles.
 From Malsi 97 miles there is a track up the Dwarsida valley across the Kajnag range and descends down the ravine which leads to Noseri Nausada on the Kishengunga river about 16 miles in length.
 From the old Imperial serai at Mozufferabad 109 miles there is an alternative route by the Lohar gulli 3,459 feet 112 miles, to Garhi Habibulla 118½ miles. This track is passable for laden animals.
 From Garhi Habibulla northwards, there is a good road up the Kunhar valley on both banks to Balakot 12½ miles, a populous town and trading mart of the Kaghan valley.

XLIIIa BARAMULLA to MOZUFFERABAD by TUTMARI GULLI—

2	Baramulla ... <i>P. O., T. O., D. B.,</i> <i>E.—</i>	...	...	35	...	Fair hill road, fit for riding and passable for laden animals, through to the Kishen- gunga valley.	.....	.....	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar, tehsil.
	<i>Arhama</i> ...	..	...	40	4		.....	.....	5400	.....	Large village.
	<i>Yarbagh</i> ..	...	...	41	...		.....	Vij ford.			
		...	...	42	4		.....	Hamal "			
3	Ashpura ... <i>E.—</i>	14	...	49	...	.....	Up Marwar valley left bank.	.....	.....	S. G. F. W. available, few coolies.	Ditto. . .
	<i>Ashlerhama</i> ...	..	...	50	4	.....	.....	Tirna ford.			
	<i>Lach</i> ...	...	...	52	...	.....	.....	Marwar "	5700	.. . .	Ditto.
		...	...	54	...	.....	.....	
4	Lansor Naugaon ... <i>E.—</i>	9	...	58	...	.....	.....	.....	.....	S. scarce, G. F. W. moderate, few coolies after notice.	Hamlet.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XLIII^a	<i>ROUTE—contd.</i>	9 ..	58 ...						
5	Gruzen <i>E.—</i>	12 ..	70 ...	.....	Up Jetti ravine. Tutmari gulli.	Hudnar ford	.....	S. and T. nil, G. F. W. procurable.	Dak.
			73 ...	.....				
6	Nakot or Chanian <i>E.—</i>	9 ...	79 ...	.....	Down Karna valley.	.....	.....	S. scarce, G. F. W. available, few coolies.	Small village.
7	Budipura <i>E.—</i>	9 ...	88 ...	.....	.....	.....	.....	Ditto	Ditto.
8	Titwal <i>P. O., E.—</i>	7 ...	95 ...	Hence rough and stony road, difficult for laden animals, with many steep ascents and descents, some rocky and precipitous.	Down Kishengunga valley left bank.	Karna bridge	3250	S. G. F. W. plentiful, T. available.	Village and tehsil, small fort.
9	Noseri Nausada <i>E.—</i>	6 4	101 4			.....	3425	Ditto, T. nil.	Village.
10	Panjgram <i>E.—</i>	9 ...	110 4		.....	.....	2900	S. G. F. W. plentiful, T. available.	Ditto.
11	Nuraseri <i>E.—</i>	7 4	118 ...	A riding pony may be led and taken round bad places by long detours.	.....	.. ...	2750	Ditto, T. nil.	Ditto.

12	Mozufferabad ...	11	...	129	..	Good road	.....	.....	2470	} S. G. F. W. plentiful, T. after notice.	| Town, bazar, head- quarters of zillah.
	or Dumel ...	1	4	130	4	Join Jhelum road	.....	Jhelum bridge	2225		
	<i>P. O., T. O., D. B., C., E.—</i>										

The traveller might go by boat from Srinagar to Sopur or *vid Patan* by land 32 miles. Hence march up the Pohru and Marwar valleys to Langyat 46 miles, Jagir of Raja Sir Amar Singh, k.c.s.i., and join the foregoing route at Lach 54 miles.

From Lach 54 miles instead of going up the Marwar valley to Tutmari gulli, the traveller might strike northwards through the beautiful undulating country of the Lolab by Nichihama to Shalura.

From Lach 54 miles this route, which is passable for laden animals, skirts the eastern flank of the Danhu or Trehella mountain, descends to Daren, and after crossing the Punjlar river comes to Rajpore 60 miles, the Jagir of Raja Akbar Ali Khan. Hence proceeding up the left bank of the Punjlar through the fine Chokchi gorge, the route forks into two branches, one westwards and one northwards.

The western track leads to Nichihama village 64 miles, where the burnt and sunken acre, Syum Nar, mentioned by Abu Fazl-i-Allami in the *Ain-i-Akbari* and described by Dr. Falconer and Mr. Vigne may be seen. The ground was at times so hot that, after scraping the surface, the natives used to cook their rice by placing the pans upon the cleared space.

On examination there are clear indications of the burning of an underground seam of coal from 3 to 5 feet in thickness; the outcrop of the latter is yet visible in the ravines at both extremities of the burnt acre, which has subsided, and in a section of the soil thus exposed above it, where the seam is reduced to a white ash and the adjoining clay shales to a red brick.

Similar burnt soil is found at Rampura, in Budishung 65½ miles with coal shale outcrops in the two ravines on the borders, and again at Suktoj 67 miles in the bed of a ravine, where the coal is said to have been set on fire by the blazing pine trees and long grass of the forest, which occasionally takes fire and burns fiercely. After crossing the Talut river at Suktoji and ascending the hill spur northwards, the road passes through a pine forest, where the remains of artificial tanks on the ridge may be seen, to Lutchmapura 69 miles, Wysa 71 miles, Lihun 72 miles, and emerges into the open country, where it crosses a sheet of rice cultivation and the Kamil river, on the left bank of which stands Shalura 75 miles.

The northern route from Chokchi gorge goes up a glen along the western flank of the Krombhar mountain to Sarmarg 6,400 feet, a village and pond on a lovely site 65 miles, and descends down another winding glen northwards to Kokrum 68 miles, and thence through the rice plain to Shalura 75 miles.

The coal seen in the outcrops at Nichihama, Budishung and Suktoji, is of inferior quality between brown coal or lignite and peat. Other outcrops are reported at Nagi, &c., in the vicinity. The material burns well, however, and the burning ground above has been considered a phenomenon during a long period.

XLIII^b MANSERA to OGHI—

10	10	Mansera	136	4	Good hill road	Across Pukli	3540	} S. G. F. W. and T. plentiful.	| Large village and tehsil.
		<i>P. O., D. B., C., E.—</i>	143	...	passable for laden camels.	and Sirun valleys.	Sirun ford.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XLIII^b	<i>ROUTE—contd.</i> ...	...	...	143	...					
11	Khanki ... <i>E.—</i>	8	...	144	4	.....	.....	.....	S. G. F. W. procurable, T. nil.	Village.
		...	...	147	...	Easy pass through hills thickly wooded.	Susal pass.			
12	Oghi ... <i>P. O., E.—</i>	10	..	154	4	.....	Agror valley at base of Black Mountain.	Oonar nala	S. G. F. W. and T. procurable.	Village, police and military outpost.

From Oghi there is a road through Shergurh and Nila Pani to Derbund.

XLIII^c ABBOTTABAD to THANDIANI—

11	Abbottabad ... <i>P O, T.O., D. B., E.—</i>	...	...	152	4	Fair hill road for riding ponies and passable for laden mules level to Nawashahr and rises beyond.	.....	Jub nala	4005	S. G. F. W. and T. ample.	Head-quarters of district Hazara.
	<i>Nawashahr</i> ...	...	...	155	...		.....	Darhan ,,			
		...	...	157	...		Across head of Dor river.	.....	.....	.....	Large village.
12	Thandiani ...	1	...	165	...	.....	.....	Dor nala.	8600	S. and T. moderate in season, G. F. W. plentiful.	Small sanitarium.
		...	...	169	...	.....	.....	.....

XLIII^d HARIPUR to DERBUND—

12	Haripur <i>P. O., T. O., D. B., C., E.</i>	...	...	175	6	Rough cart-road passable for ekkas.	Down Dohr valley.	.....	1730	S. G. F. W. and T. plentiful.	Town, bazar, tehsil.
13	Barukot or Torbela <i>P. O., E.—</i>	...	8	2	184	..	.....	.....	.....	S. and T. after notice, G. F. W. procurable.	Village.
14	Nawangiran	...	10	...	194	...	No water, road between Barukot and Nawangiran, rocky and difficult.	Up Indus valley left bank.	S. and T. precarious, G. F. W. available.	Small village.
15	Derbund <i>P. O., E.—</i>	...	10	...	204	...	.....	.....	.....	S. and T. after notice, G. F. W. procurable.	Village in Tanawal opposite Umb, where Nawab resides.

The route by Torbela on the left bank of the Indus is longer by 10 miles but preferable for water. There is another route across the hills and down Sirun valley from Abbottabad by Sherwan, Bhir, Tapla to Torbela.

XLIV SRINAGAR to MOZUFFERABAD by NESCHAU or NATTISHANAR GULLI—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	Carriage road under construction to Bulgaon, might be continued across plain to Sopur where there is a good bridge across Jhelum river.	Down Jhelum valley.	Amiran Kadal	5235	S. G. F. W. and T. abundant	Capital of Kashmir State. Large town, bazar and Hari Parbat fort.
	<i>Harprat</i>	...	...	13	...		.....	Suk nag ,,			
1	Patan <i>E.—</i>	...	19	...	19	...	.....	.....	5200	S. G. F. T. available, W. from springs.	Small village and ancient ruins.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XLIV	<i>ROUTE—contd.</i> ...	...	19 ...						
	<i>Bulgaon</i> ...	...	27 ...	.....	.....	Ningul Kadal.			
2	Sopur <i>P.O., T.O., B., C., E.—</i>	13 ...	32 ...	.....	Up Pohru valley left bank.	Jhelum bridge	5185	S. G. F. W. and T. plentiful.	Town, bazar and head-quarters of Zillah Kamraj.
	<i>Arwan</i> ...	...	43 ...	From Sopur the road is good and passable for laden animals through to Titwal on Kishengunga.	.....	.....	.....	.....	Road branches to Lalpura 12 miles.
3	Chogul <i>E.—</i>	15 ...	47 ...		.....	.....	.....	S. G. F. W. and T. available.	Village.
	<i>Wadpoora</i> ...	...	51 ...		Right bank	Pohru river.			
	<i>Warpoora</i> ...	...	57 ...						
4	Shalura <i>E.—</i>	16 ...	63 ...	.....	Up Kamil valley left bank.	Kamil ford or bridge.	5300	Ditto after notice	Do. old fort, shop.
	<i>Panzgram</i> ...	...	66 ...	Easy and gradual ascent to pass and short steep descent.	.....	Kamil bridge	.....	S. G. F. W. and T. available.	Large village.
			71 ...						
5	Drungiari <i>E.—</i>	12 ...	75 ...		Up Pullai ravine.	.....	.....	S. and T. nil, G. F. W. procurable.	Hamlet.
	<i>Hajinar</i> ...	...	80 ...	.....	Neschau gulli	... ..	10400.		
			85 ...	.....	Down Karna valley to Titwal.				

6	Tungta or Karna <i>E.—</i>	14	...	89	...	.....	.....	.....	S. G. F. W. moderate, few coolies.	Small fort.		
	<i>Titwal</i> <i>P. O. E.—</i>	...	...	95	...	.....	.....	Karna bridge	Ditto	Tehsil and small fort.		
7	Panjhot <i>E.—</i>	...	12	...	101	..	The road rises up from Kishengun- ga river to higher region, is more difficult but cool- er than lower road.	Down Kishengunga valley left bank.	.....	.....	S. and T. scanty, G. F. W. available.	Small village.
8	Partan <i>E.—</i>	...	12	...	113	...		.....	.....	.....	Ditto	Ditto.
9	Dunna <i>E.—</i>	...	10	...	123	...	Long descent from Dunna to the Kishengunga river.	.....	.....	.....	Ditto	Ditto.
10	Nura Seri <i>E.—</i>	...	10	...	133	...	Road along left bank of river bad.	.....	.....	2750	S. G. F. W. plentiful, T. nil.	Ditto.
11	Mozufferabad or Dumel <i>P.O., T.O., B., C., E.—</i>	...	11	...	144	...	.....	.....	.....	2470	S. G. F. W. plentiful, T. after notice.	Town, bazar and head-quarters of zillah.
		1	4	145	4	.....	.....	Jhelum bridge	.....	2225	.....

This pass is closed by snow from November to February inclusive, when another adjoining pass to the north, Kukwa gulli 9,550 feet from the Karna valley into the Rungwari ravine, which flows into the Kamil river, one mile below Drungiari, is used. The approaches are steeper, but the through distance is the same.

XLIV^a SHALURA to KAGHAN VALLEY by KAREN—

4	Shalura <i>E.—</i>	63	...	This track is easily passable for laden animals to Karen.	Up Wurassoon valley.	5300	S. G. F. W. and T. after notice.	Village, shop, old fort.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XLIV^a	<i>ROUTE—contd.</i>	...	63	...					
5	Wurassoon <i>E.—</i>	6	69	.....	.....	.....	.....	S. G. F. W. and T. after notice.	Village.
		...	74	Easy approaches to pass on both sides.	Down Doodi valley.	Putran-ke gali.	10175.		
6	Doodi <i>E.—</i> <i>Monaiyan</i>	8	77	.....	.....	.....	7400	S. and T. nil, G. F. W. plentiful.	Halting place.
		..	84						
7	Karen <i>E.—</i> <i>Nagdera</i>	10	87	Hence the road becomes more difficult and is bad in many places.	.....	Kishengunga wooden bridge	4650	S. G. F. W. plentiful, T. available.	Village.
		...	90		Up Babun-ka Katta.	.....	.....	.....	Ditto.
8	Karka <i>E.—</i>	10	97	.....	.....	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place.
			100		Chirik gali				
9	Kensi <i>E.—</i>	12	109	From the Jagran valley to the Kaghan valley the track is rather better.	Across Jagran valley.	.....	..	S. and T. nil, G. F. W. available.	Small village.
10	Shikara <i>E.—</i>	10	119		Shikara gali	.....	.....	Ditto	Halting place.
					Down Shikara valley.	.....		
11	Jared <i>E.—</i>	11	130	...	Kaghan valley	.....	.....	S. and T. scarce, G. F. W. available.	Small village.

Between Wurassoon and Doodi, there is a choice of 3 passes over this mountain range, of which Putrau-ke gali is the middle one. The other two are Treldubul and Mulla passes.

From Karen there are other routes to the Kaghan valley by going up or down the Kishengunga valley and striking up one of the side valleys leading westwards, the foregoing is said to be the one at present used by traders in ghi and salt.

From Kensi, in the Jagran valley, there are 3 passes, Bichla, Shikara and Tor gali into the Khagan valley, and the middle one is here shown.

Jared is a stage on the Kaghan valley road, 5 miles from Bhunja, 25 miles north of Balakot, and 15 miles south of Khagan, all three trading marts.

XLV SRINAGAR to KAGHAN VALLEY by DRAWAR—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	Carriage road under construction to Bulgaon, might be continued to Sopur, where there is a good bridge over the Jhelum river.	Down Jhelum valley.	Amiran Kadal	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State. Largetown, bazar and Hari Parbat fort.
	<i>Harprat</i>	...	...	13	...		.....	Suknag „			
1	Patan <i>E.—</i>	...	19	...	19		.....	.....	5200	S. G. F. W. and T. available, W. from springs.	Small village and ancient ruins.
	<i>Bulgaon</i>	...	...	27	...		.....	Ningul „			
2	Sopur <i>P.O., T. O., B., C., E.</i>	...	13	...	32	From Sopur the road is good and passable for laden animals through to the Kishengunga river in Drawar.	Up Pohru valley.	Jhelum bridge	5185	S. G. F. W. and T. plentiful.	Town, bazar and head-quarters of Zillah Kamraj. Road branches north to Lalpura 12 miles.
	<i>Arwan</i>	...	...	43	...		.....	.....	.....	.....	Road branches north to Lalpura 12 miles.
3	Chogul <i>E.—</i>	...	15	...	47		.....	.....	.....	S. G. F. W. and T. available.	Village.
	<i>Wadpoora</i>	...	...	51	...		.....	Pohru river.			
4	Mogulpur <i>E.—</i>	...	11	...	58		.....	.....	.....	S. G. F. T. after notice, W. plentiful.	Ditto.
		...	...	61	...		.....	Kamil bridge.			
5	Lodrdona <i>E.—</i>	...	8	...	66	Easy gradual ascent and descent.	Seetalwan or Zurkaima gal.	.....	9800	Ditto	Ditto.
		...	...	70	...						

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XLV	<i>ROUTE—contd.</i>	...	70 ..						
6	Jimagun <i>E.—</i>	9 ...	75 ...	.....	Down Chor-baila valley.	.....	7000	S. and T. mil, G. F. W. plentiful.	Halting place.
7	Dudnial in Drabar. <i>E.—</i>	9 ...	84 ...	.....	Kishengunga river.	.....	5850	S. G. F. W. plentiful, T. nil.	Village.

Hence there are two routes to the Rutti gali leading into the Kaghan valley, one by Deorian and the other by Kurigam.

FIRSTLY—

8	Deorian <i>E.—</i>	7 ...	91 ...	This track is used by laden mules, though difficult in many places. This pass is said to have steep approaches on both sides.	Up Seri valley	Kishengunga river.	5050	S. G. F. W. plentiful, T. available.	Village.
9	Dari <i>E.—</i>	12 ...	103 ...		.....	.....	.....	S. and T. mil, G. F. W. plentiful.	Halting place.
10	Jora <i>E.—</i>	16 ...	119 ...		Rutti gali. Down Dhawartala or Jora Katta	.....	.....	Ditto	Ditto.
11	Burawai <i>E.—</i>	9 ...	128 ...	.....	Kaghan valley.	.....	.....	Ditto	Ditto.

Burawai is 17 miles 6 furlongs distant and north of Narung the highest village up the Kaghan road.

SECONDLY—

8	Kurigam <i>E.—</i>	...	9	...	93 102	...	..... .....	..... Kurigam gali.	Kishengunga river.	5850	S. and T. procurable, G. F. W. plentiful.	Village near Shardi.
9	Dari <i>E.—</i>	...	12	...	105 110	...	Steep ascent and descent over pass.	... Rutti gali.	Across head of Seri nala	...	S. and T. nil, G. F. W. plentiful.	Halting place.
10	Jora <i>E.—</i>	...	16	...	121	...	.....	DownDhawa- tala nulla or Jora Katta.	.....	.....	Ditto	Ditto.
11	Burawai <i>E.—</i>	...	9	...	130	...	.....	Kaghan valley.	.....	9330	Ditto	Ditto.

Burawai has excellent pasture and is much frequented in summer by numerous flocks of sheep and goats and by herds of cattle.

XLVI SRINAGAR to CHILAS by KAMAK DURI PASS—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	...	0	...	Carriage road under construction to Bulgaon and might be continued 5 miles further to Sopur where there is a good bridge over the Jhelum river.	Down Jhelum valley.	Amiran Kadal	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State. Large town, bazar, Hari Parbat fort.
	<i>Harprat</i>	13	Suknag „	...	5200	S. G. F. T. available, W. from springs.	Village and ancient ruins.
1	Patan <i>E.—</i>	...	19	...	19
	<i>Bulgaon</i>	...	...	...	27	...	.....	Ningul „	.....	.....	.....	.....
2	Sopur <i>P.O., T.O., B., C., E.</i>	...	13	...	32	...	.....	.....	Jhelum bridge	5185	S. G. F. W. and T. plentiful.	Town, bazar and head-quarters of Zillah Kamraj.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL							
		m.	f.	m.	f.						
XLVI	<i>ROUTE—contd.</i>	13	..	32	...						
3	Arwan <i>E.—</i>	12	...	44	..	Hence a good road passable for laden animals through to Shardi on the Kishengunga. The Wyana pass is quite easy both ways.	.....	.....	.....	S. and T. after notice, G. F. W. available. Village.
4	Lalpura <i>P. O., C., E.—</i>	10	...	54	...		Wyana pass. Down Lolab valley.	.....	5600	S. G. F. W. and T. plentiful. Capital of Lolab, town, bazar and tehsil. Village.
5	Kroras <i>E.—</i>	12	...	66	..		Up Seh valley	.....	5700	S. G. F. W. and coolies procurable. Village.
6	Camp	8	...	74	...	The Kusdona pass is of gradual ascent and descent.	.....	.....	.....	S. and T. nil, G. F. W. procurable. Halting place at foot of pass.
7	Mokta malik <i>E.—</i>	10	...	84	...	The Lachidal pass is very steep in both ascent and descent.	Kusdona pass Down Mokta valley. Lachidal pass.	.....	10500	Ditto Ditto.
8	Shardi <i>P. O., E.—</i>	10	...	94	...	From Shardi the road goes up a wide valley well wooded with a few hamlets.	Up Kankatori valley.	Kishengunga river.	5850	S. and T. procurable, G. F. W. plentiful. Village and fort.	
	<i>Surgaon</i> <i>E.—</i>	...	...	102	...			.....	6550.	
9	Sangam <i>E.—</i>	13	...	107	...		.....	.....	6900	S. and T. precarious, G. F. W. plentiful. Small village.
	<i>Gamot</i> <i>E.—</i>	...	...	112	...		.....	.....	7600.	

10	Hole Nar <i>E.—</i>	...	10	...	117	...	The road is good to the foot of the pass where the climb up and run down are both very stiff and severe.	.....	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place at foot of pass.
					126	...		Kamakduri pass.	.....	15008.		
11	Nihat <i>E.—</i>	...	20	...	137	..	From Basha there is a good road to Chilas.	Down Nihat valley.	.....	.....	Ditto	Ditto.
12	Basha <i>E.—</i>	...	11	...	148	...	.....	Down Kanogha valley.	....	... ..	S. and T. after notice, G. F. W. procurable.	Village.
					156	...		Kanogha bridge.	.....	4000	S. G. F. W. and T. plentiful.	Village and military post.
13	Chilas <i>P. O., T. O., B., E.—</i>	...	11	...	159	...		Indus valley	.....		

From Surgaon 102 miles there is a track N. E. up the Nuri Nar valley over the Nuri Nar or Julkhud pass 116 miles down the Julkhud-ka-katta to Seri 130 miles on the Kaghan road.

From Gamot 112 miles there is a track N. E. up the Siralgul nala which leads to a group of 5 passes over the dividing range. The northern pass Katora gali is said to lead down a ravine to Thak on the Kaghan road to Chilas, the north-eastern pass Siral gali leads to Dudibat Sar or glacier lake and descends down the Purbidia-ka-katta to Kotawai on the Khagan road.

At the 115th mile, a path goes west up the Kalajundi nala across the Kundi pass to Mora, see Route XLVII.

At the 117th mile, a path ascends N. W. up the Hole Nar nala to the Hole Nar pass 14,637 feet and Barai pass, 14,000 feet and descends down the Barai nala to Paloi and Bunar.

All these high passes are closed by snow during 8 months of the year from November to June inclusive, glaciers are numerous in this range which is a S. E. offshoot of Nanga Parbat Peak 26,620 feet.

XLVIa SRINAGAR to LALPURA by NAGMARG—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	...	0	...	Carriage road for 6 miles and thence along 10-foot road	Down Jhelum valley left bank.	Amiran Kadal	5235	S. G. F. W. and T. abundant.	Capital of Kasmir State. Large town, bazar, Hari Parbat fort.
1	Sumbhul <i>E.—</i>	...	15	4	15	4	earthen and bridged to Bandipura, quite passable for camels and laden animals.	Right bank.	Noru bridge. Jhelum "	.....	S. G. F. W. procurable, T. after notice.	Village and some shops.
	<i>Ajus</i>	...	...	...	23	4		Along eastern border of Woolar Lake.				

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XLVI_a	<i>ROUTE—contd.</i> ...	...	...	23	4						
2	Bandipura <i>P. O., T. O., E.—</i> ...	19	...	34	4	Road fair	Along northern shore of Woolar Lake.	.....	5200	S. G. F. W. and T. plentiful.	Large village and bazar.
3	Alsu <i>E.—</i> ...	7	4	42	...	.....	.....	.....	5200	S. G. F. W. and T. available.	Village.
4	Nagmarg <i>E.—</i> ...	6	...	48	...	Steep ascent and easier descent.	Dewa or Bur-chhai gully.	.....	8100	S. and T. nil, G. F. W. available.	Sanitarium.
5	<i>Dewar</i> ... Lalpura <i>P. O., C., E.—</i> ...	...	...	52	...	.....	Lolab valley	.....	5600	S. G. F. W. and T. plentiful.	Capital of Lolab Town, bazar and tehsil.

The usual plan is to go by boat from Srinagar down the Jhelum river, and across the Woolar Lake to Alsu about 40 miles, there land and cross over the Nagmarg range into the Lolab. Nagmarg is situated along the ridge to the north of the pass. A few old huts in bad order. One of the summer resorts of Kashmir with lovely scenery and beautiful views on a fine day.

From Alsu is a fair road 12 miles to Sopur by land, passing the Shukr-ud-din Ziarat on the Watlab hill, one of the celebrated shrines of Kashmir at the 4th mile.

XLVII SRINAGAR to ASTOR by LOLAB and SHONTAR PASS—

	Srinagar <i>P. O., T. O., C., E.—</i>	0	...	Carriage road under construction	Down Jhelum valley.	Amiran Kadal	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State. Largest town,
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	<i>Harprat</i>	13	...	to Bulgaon, which might be continued 5 miles further to Sopur bridge over the Jhelum river.	Suknag „			bazar, Hari Parbat fort.
1	Patan <i>E.—</i>	...	19	...	19	...		.....	.....	5200	S. G. F. and T. available, W. from springs.	Village and ancient ruins.
	<i>Bulgaon</i>	...	...	...	27	...	.....	.....	Ningul „			
2	Sopur <i>P.O., T.O., B., C., E.—</i>	...	...	...	32	...	Hence a good road passable for laden animals to Kroras	Up Pohru valley left bank.	Jhelum bridge	5185	S. G. F. W. and T. plentiful.	Town, bazar and head-quarters of Zillah Kamraj.
3	Arwan	...	12	...	44	...	.. ..	.....	.....	.....	S. and T. after notice, G. F. W. available.	Village.
					46	...	Easy ascent and descent.	Wyana pass.				
4	Lalpura <i>P. O., C., E.—</i>	...	10	...	54	...	.....	Down Lolab valley.	.....	5600	S. G. F. W. and T. plentiful.	Capital of Lolab town, bazar, tehsil.
5	Kroras or Thien <i>E.—</i>	12	..	66	...	...	From Thien above Kroras at the junction of the 2 rivers, an old road turns off north eastwards over the Ura gully, an easy pass on both sides, and thence northwards down the Machil valley to the Kishengunga. This old road is much cut up, but is passable for laden mules. After crossing the wooden bridge over the Kishengunga	Up Seh valley	.....	5700	S. G. F. W. and coolies procurable.	Village.
	Sirkuli	...	...	...	70	...		.....	.....	6400.		
6	Ura gully	...	8	...	74	...		Down Machil valley.	.....	9500.		
7	Santwari <i>E.—</i>	...	9	...	83	...		.....	.....	7000.		
8	Khel <i>E.—</i>	...	13	...	96	...		Cross Kishengunga valley.	Kishengunga bridge.	6134	S. scanty, W. G. F. plentiful, T. nil.	Ditto.
9	Dumel Pain <i>E.—</i>	...	8	..	104	...		Up Khel valley.	... ..	7300	S. and T. nil, W. G. F. plentiful.	Junction of Barai river.
10	Shontar <i>E.—</i>	...	8	...	112	..		.....	.....	10000	Ditto	Halting place south of pass.
					122	...		Shontar pass	.....	15052		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XLVII	<i>ROUTE—contd.</i>	...	...	122	...						
11	Duman <i>E.—</i>	18	...	130	...	river, the track continues good to the foot of the Shontar pass, where there is a stiff climb to the top, on the north side the road is of easy gradient over marg country to Rattu where is the junction of Kamri pass route.	Down Mir Malik valley.	Dabin ford	.....	S. and T. nil, W. G. F. plentiful.	Junction of ravine which leads to Dohban Pir.
12	Mir Malik <i>E.—</i>	8	...	138	...		.....	.....	9083	S. procurable, T. nil, G. F. W. plentiful.	Village.
	<i>Rattu</i>	...	...	146	...		Down Guraigah or Astor valley left bank.	.....	8299		
13	Chugam <i>E.—</i>	10	4	148	4			.....	.. ...	S. and G. scanty, W. and F. procurable, T. nil.	Ditto.
				152	...			Rupal bridge.			
14	Gurikot <i>E. confined—</i>	10	4	159	...	Join 10-foot road Srinagar to Gilgit earthen and bridged.	.....	Astor bridge	7800	S. and G. scanty, F. W. available, T. nil.	Ditto.
15	Astor (Idgah) <i>P. O., T. O., B.—</i> <i>E. polo ground—</i>	7	...	166	...	.....	.....	.....	7838	S. and G. procurable, F. and W. plentiful, T. moderate.	Village, fort, bazar, bungalow will be built, residence of Raja of Astor or Hasora.

From Lalpura 54 miles there is another route by Kranan over the Bhatnar Pir gully down the Machil valley.
 From Sitkuli 70 miles there is another track eastwards up the Kunchali river over the Machil pass into the Machil valley.

From Ura gully down the Machil valley are the remains of an old road once constructed by the State and bridged.

From Dumel Pain 104 miles a route branches northwards up the Barai nala by Moree 110 miles and Kalar 116 miles over the Barai pass 14,000 feet and 122 miles, and descends down the Barai or Bunar nala by Paloi 140 miles, and Diamirai 148 miles, to the Indus 156 miles, where it joins the Bawanji and Chilas road along left bank of this river. Bunar fort is about 3 miles west of this Bunar nala on a commanding plateau, about half way between Paloi and Diamirai.

The Shontar pass 15,052 feet b. p. according to the map, is said to be the highest of 3 gullies in this vicinity, but there is no path at present to the other two.

About 15 miles S. E. along this range, there is another pass Dohban Pir gully 14,045 feet to which there is access on both sides, by the Phulmai nala on the south from the Kishengunga valley, and by the Duman nala on the north side from the Mir Malik valley. The easiest approach from Srinagar to the Dohban Pir would be by Kanzilwan on the Gilgit road 62½ miles, see Route XLVIII; thence down the Kishengunga valley by Bakhtaor 66 miles, Thaobut 73 miles, Sirdari 80 miles, the last village in this direction, Phulmai nala 87 miles, Dohban Pir gully 100 miles, Damian 112 miles, and Mir Malik 120 miles. This would be shorter than the foregoing route, but the march from Sirdari along the right bank of the Kishengunga river to the Phulmai nala is said to be extremely difficult from the rocky cliffs projecting into the river.

XLVIII SRINAGAR to GILGIT by BURZIL (DORIKUN) PASS—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	Carriage road for 6 miles and thence 10-foot road bridged and passable for all laden animals through to Gilgit.	Down Jhelum valley left bank.	Amiran Kadal	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State. Large town, bazar, Hori Parbat fort.	
	<i>Shadipur</i>	...	...	11	4		.....	Noru bridge.				
1	Sumbhul <i>E.—</i>	...	15	4	15	4		Right bank	Jhelum bridge	.....	S. G. F. W. procurable, T. after notice.	Village and shop.
	<i>Ajus</i>	...	...	...	23	4	Road nearly level to Bundipura with a few ups and downs over spurs, skirting Manu Bal and Woolar Lakes.	Skirts eastern shore of Woolar Lake.	Manu Bal bridge.			
	<i>Nadihal</i>	...	...	...	32	...		.....	.....	.....	.....	Baoli and ruins.
					33	4		.....	Erin bridge.			
2	Bundipura <i>P. O., T. O., E.—</i>	...	19	...	34	4	.....	.....	.....	5200	S. G. F. W. and T. plentiful.	Large villa e and bazar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XLVIII	<i>ROUTE—contd.</i> ...	19 ...	34 4						
3	<i>Sonerwain</i> ...	...	36 ...	Ascent by sharp zigzag of 1 in 7	.....	Budh kul bridge.			
	<i>Seribal</i> ...	...	43 ...	gradient to top of hill, and 2 miles easy gradient up to pass.	Tragbal spur.		9160	S. and T. nil, W. scanty, G. F. plentiful.	Halting place in forest of pine trees.
	Tragbal <i>B. E., C.—</i>	11 4	46 ...	.....	Rajdiangan pass.	.....	11950		
4	<i>Safed Pallan</i> ...	...	53 4	Similar gradual descent for 2 miles and sharp zigzag down for 3 miles, the road then falls with a gradient of 1 in 10 to Kanzilwan, and continues with a gentle rise to Gurais.	Down Zudkusu valley.				
	Gorai <i>B. E.—</i>	12 4	58 4		.....	.....	.....	S. and T. nil, W. from river, G. F. plentiful.	Small maidan.
	<i>Kanzilwan</i> ...	...	62 4		Up Kishengunga valley.	Kishengunga bridge.	7400.		
5	<i>Mullakadal</i> ...	...	67 4						
	Gurais <i>P. O., T. O., B., E.—</i> <i>Bungla</i> ...	15 ...	73 4		.....	Kishengunga bridge.	7800	S. G. F. W. and T. plentiful.	Fort situated between 2 villages Daner and Man-koot with bazar.
6	Peshwari <i>B., E.—</i>	14 4	88 ...	Hence road continues with an easy gradient up the	Up Burzil valley.	Cross Burzil river twice by bridges.	.....	S. and T. nil, G. F. W. available.	Hamlet.
			91 ...		.....	Rathak bridge			

	<i>Minimarg</i> <i>T. O.—</i>	...	...	...	93	...	open grass valley with a few clumps of pine trees.	.....	.....	9700		
7	Burzil Choki	...	11	...	99	...	Easy ascent to pass by zigzag and gradual descent along open stony valley over ancient moraines.	.....	Burzil bridge	10740	Ditto	Maidan and forest patches.
	<i>B., E.—</i>				103	...		Dorikun pass	.....	13900		
	<i>Sirdarkoti</i> <i>B., E.—</i>	...	...	...	109	4		Down Burzil valley.				
8	Chillum	...	17	4	116	4	.....	.....	.....	.....	Ditto	Ditto.
	<i>B., E.—</i>				118	4	.....	.....	Chachor bridge.	11500		
	<i>Das Khirim</i>	...	...	...	124	...	.....	.....	Das bridge.	10500		
9	Godhai	...	15	...	131	4	.....	.....	Bubind bridge	9100	S. and T. precarious, G. F. W. available.	Small village.
	<i>B., E.—</i>											
	<i>Gurikot</i>	...	...	...	142	...	Sharp rises and falls over several spurs.	Down Astor valley left bank.	Astor bridge.	7800		
10	Astor (Idgah)	...	17	4	149	...	The road descends gradually to the Astor river at Turpi and Harcho whence it rises gradually to Dashkin, and after passing through the edible pine forest at Mushkin, it rises up the flank of the Hatu Pir to	.....	.....	7838	S. G. F. W. and T. available.	Fort, village and bazar, residence of Raja of Hasora.
	<i>P. O., T. O., B., E.—</i>											
	<i>Harcho</i>	...	...	...	161	...		.....	Harcho bridge	6200		
11	Dashkin	...	14	4	163	4		.....	.....	.....	S. G. F. W. and T. moderate.	Village.
	<i>B., E., C.—</i>											
	<i>Mushkin</i>	...	...	...	167	4						
12	Doian	...	10	...	173	4		Hatu Pir spur	.....	7800	Ditto	Ditto.
	<i>B., E.—</i>											

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		<i>m.</i>	<i>f.</i>	<i>m.</i>	<i>f.</i>						
XLVIII	<i>ROUTE—contd. ...</i>	10	..	173	4						
13	Ramghat or Shaitan Nara.	10	4	175	...	Doian, whence it descends by long zigzags down the shaly sides of a spur to the Astor river at Ramghat.	Up Indus valley left bank.	Astor bridge	3700	S. G. F. and T nil, W. procurable.	Military post.
14	Bawanji or Bunji	7	4	192	4	Good road over stony plain.	Indus valley left bank.	.....	4631	S. G. W. and T. moderate, F. scarce.	Fort, village and bazar.
	<i>P. O., T. O., B., E.—</i>	...	...	199	4	Ascent by zigzags over spur and gentle descent into Gilgit valley, after crossing the Safed Pari cliffs, gentle descent to Minawar, and thence road rises gradually through open plain.	Right bank.	Indus iron suspension bridge.	3850	S. G. F. and T. nil, W. from Indus river.	On left bank Indus.
	<i>Pratabpul B., C., E.—</i>	...	...	209	4		Up Gilgit valley right bank.	.....	.....	Ditto, W. from river.	Cliff.
15	Safed Pari	...	17	...	209		.....	.....	4000	S. and T. nil, F. W. available, G. scarce.	Small village.
	<i>B., E.—</i>	...	10	...	219		.....	.....	4390	S. G. F. T. moderate, W. plentiful.	Military Cantonment, town and bazar, residence of Political Agent, head-quarters of province.
16	Minawar	...	10	...	219		.....	.....	5025		
	<i>B., E.—</i>	...	9	...	228	Ascent to Jutial barracks and through plain to Gilgit.	.....	.....	
17	Gilgit or Gilit	...	9	...	228		.....	.....	
	<i>P. O., T. O., B., E.—</i>	...									

The first two marches are usually done by boat from Srinagar down the Jhelum river and along the eastern shore of Woolar Lake to Bandipura. This road is usually closed by snow between Bandipura and Astor from the 1st November to the 31st May. Footmen can travel through in fine weather during this time. There are block houses on both the passes for shelter and protection from snow-storms. There is much risk in travelling during winter from avalanches, especially in the Zudkusu valley, and in the narrow valley between Burzil Choki and Dorikun bordered by cliffs, where any vibration of the air may shake down the snow.

About a mile west of Sumbhul are interesting ruins at Andarkot or Indrakot.

About one mile beyond Sumbhul the road crosses the canal from the Manus Bal Lake and follows the high bank of the lake to Safeepoor where there is a hot spring and some ruins.

From Bandipura, there is a direct path for footmen only up the Budhkul nala by Atawat over the Dienoor pass, stiff and rugged on both sides to Gurais above 30 miles in length.

A cross road through the hills connects Lalpura in the Lolab with the Zudkusu valley at Gorai. Lalpura 0, Nachiani spur 3 miles, across head of Arpan valley, Kimsaran spur 10 miles, across head of Bunar valley through forest 14 miles, Sata spur 16 miles, down Gorai valley to Gorai 20 miles. Through supplies and transport are needful.

A road has been made on both sides of the Kishengunga river from Kanzilwan to Gurais. In the dry summer the one on left bank is preferable as it passes through much forest and is shaded from the sun. There are bridges over the Kishengunga river at Kanzilwan, Mullakadul, Murkoot, and Gurais.

Gurais is a beautiful valley, one of the sights of Kashmir, a fine open plain about 10 miles in length and 2 miles in width bordered by high mountains topped by cliffs and clothed with fine forest. An azure river, the Kishengunga, stocked with fish, flows down the valley. At the eastern end is a tall pyramidal mountain of limestone, at foot of which is a copious spring said to be the source of the Kishengunga proper. This valley is famous for a hardy race of ponies, who are surefooted and excellent for mountain work.

From Minimarg 93 miles is a track up the Nagai valley eastwards over the Deosir pass and down into the Shingo valley which leads to Kargil.

Between Burzil Choki and Astor, several routes branch out eastwards up the side valleys over the Deosai plains to Skardu, the principal of which are entered below.

From Ramghat there is a road along the left bank of the Indus river westwards to Chilas, see Route LXII.

At 199 m. 4f. the iron wire suspension bridge over the Indus river, 327 feet span, is named in honour of His Highness the Maharaja Sir Pratap Singh, a.c.s.i.

XLVIIIa KANZILWAN to ASTOR by GUGAI PASS—

	Kanzilwan <i>E.—</i>	...	...	...	62	4	Rough hill track	Down Kishengunga valley.	Kishengunga bridge.	7400	S. G. T. moderate, F. and W. plentiful.	Small village.
	<i>Bakthaor</i>	...	...	...	65	...						
5	Thaobut <i>E.—</i>	...	9	4	72	...	Path fit for men only.	Up Gugai valley.	Ditto	.....	S. and T. nil, G. F. W. plentiful.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XLVIII^a ROUTE—contd....		9	4	72	...						
6	Gugai ...	10	...	82	...	Stiff ascent to pass and steep and rugged descent.	..... Gugai pass.	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place.
7	Brazil ...	10	...	92	...	.....	Down Guraigah valley.	.....	.....	Ditto	Ditto.
	<i>Riat</i> ...	...	...	102	...						
8	Lohin Hadol ...	14	...	106	...	Fair track of easy gradient used by traders on return journey into Kashmir.	.....	.....	9600	Ditto	Ditto.
	<i>E.—</i> <i>Marmai</i> ..	..	...	109	...						
9	Pukarkot ...	10	...	116	...	.....	.....	.....	...	S. and T. scanty, G. F. W. procurable.	Small village.
	<i>E.—</i> <i>Rattu</i> ...	...	...	125	...	Mir Malik route joins.	.....	Mir Malik bridge.	8284		
10	Chugam ...	12	...	128	...	.....	.....	.....	.....	S. and G. scanty, T. and F. procurable, W. plentiful.	Village.
	<i>E. confined—</i>			132	...	.....	Down Astor valley.	Rupal bridge.			
11	Gurikot of Astor ...	10	4	138	4	Join highway from Srinagar to Astor.	.....	.....	7800	Ditto	Ditto.
	<i>E.—</i>										

12	Astor (Idgah) ... <i>P. O., T. O., B., C., E.</i>	7	...	145	4	7838	S. and G. procurable, W. and F. plentiful, T. moderate.	Village, fort, bazar, residence of Raja of Hasora.
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There is little known about this route, though it is in a direct line from Rajdiangan pass northwards to Astor. It is used by shepherds and sportsmen only and is a path for footmen only.

At 132 miles the Rupal river flows into the Guraigah river, and the joint river below is called Astor. The Rupal drains a wide valley of beautiful scenery with some villages, in one Tashing, the cultivated fields adjoin a glacier. Above is an extensive glacier, situated at southern foot of the great Nanga Parbat or Deamir mountain, about 30 miles in length to the head of the valley, where are two passes, Thosho 17,910 feet and Masena 17,000 feet, across which the Chilas tribes from Bunar used to raid into the Astor valley.

XLVIIIb GURAI S TO ASTOR by KAMRI or BURJI PASS -

5	Gurais ... <i>P. O., T. O., B., E.—</i> <i>Bungla</i> ...	...	...	73	4	Fair hill track passable for laden mules and ponies, often used by traders on their return journey to Kashmir, as there is good pasturage and some wood in the Kami valley. The final ascent to the pass is stony, and the ground on top very spongy; the descent by a sharp zigzag is steep and muddy for 1,000 feet.	Up Burzil valley.	Kishengunga bridge.	7800	S. G. F. W. and T. plentiful.	Fort situated between 2 villages, Daner and Man-koot with bazars.
6	Guriket of Gurais ... <i>E.—</i> <i>Thandapani</i> ...	13	4	87	...		Down Kamri or Burji pass. Kamri valley	9200	S. F. and T. scarce, G. W. plentiful.	Small village.
				89	...		.....	.....	11000	F. and W. procurable.	Halting place.
				95	...		.....	.....	13400		
7	Kalapani ... <i>E.—</i>	12	...	99	...	Down Kamri valley	Cross Kamri river several times by snow bridges.	Lohin Hadol bridge.	.....	S. and T. nil, G. F. W. plentiful.	Ditto.
8	Lohin Hadol ... <i>Marmai</i> ... <i>Shunkargot or Dirli</i> ...	14	...	113	...	Down Guraigah valley.		Dirli bed.	9600	Ditto.	Ditto.
9	Pukarkot ...	10	..	123	...	.....	.....	.....	.....	S. and T. scanty, G. F. W. procurable.	Small village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XLVIII^b	<i>ROUTE—contd....</i>	...	...	123	...						
10	<i>Rattu</i> ... Chagam ... <i>E.—</i>	...	...	132	...	Mirmalik route joins here.	.....	Mirmalik bridge.	8284	S. and T. scanty, F. and T. procurable, W. plentiful.	Village.
11	Gurikot of Astor <i>E.—</i>	10	4	145	4	Joins highway from Srinagar to Gilgit.	Astor valley	Astor „ Astor „	7800	Ditto	Ditto.
12	Astor (Idgah) or Hasora. <i>P. O., T. O., B., E.—</i>	7	...	152	4		.....	.....	7838	S. and G. procurable, W. and F. plentiful, T. moderate.	Village, fort, bazar and residence of Raja of Hasora.

On ascending from Gurikot, a high spur 12,438 feet is passed, then Gotomun at the head of one of the branches of the Jeshat stream, where bad avalanches of snow occur, and a stony rise to the Burji pass 13,400 feet across an old moraine.

Kalapani is the name given to the upper part of the Kamri valley, well grassed and some shrubs. Encamp at mouth of east side stream about 4 miles down from the pass.

This route is closed by snow from middle of November to end of May. It used to be called shorter than the Dorikun pass route, but is in reality about 3½ miles longer. Avalanches of snow are frequent on both sides of the pass and down the Kamri valley, forming snow bridges over river.

XLVIII^c GURAIS to DRAS by TILAIL VALLEY—

5	Gurais ... <i>P. O., T. O., B., E.—</i>	...	...	73	4	.....	.....	Kishengunga bridge.	7800	S. G. F. W. and T. plentiful.	Fort between 2 villages, Daner and Mankoot with bazars and thana or tehsil.
	<i>Churwan</i> ...	...	...	77	4	Ascent very steep and slippery, right bank Lorlo-	Chakbal ridge	Burzil bridge.			
				82	...			.....	11000		

6	Lorloken <i>E.—</i>	...	11	...	84	4	way nala through Pultun nar valley, descent steep and slippery 2,000 feet to Lorloken, which is 100ft. above Kushpat Uri stream and 1,000ft. above Kishengunga river.	Up Kishengunga or Tilail valley right bank.	.....	.....	S. and T. nil, G. F. W. procurable.	Small grass plain on edge of birch forest.
	<i>Burnai</i>	...	...	...	86	...		Kushpat Uri bridge.				
	<i>Zadgai</i>	...	...	...	88	...		Kila'Shay bridge.				
	<i>Purana Tilail</i>	...	...	..	90	...		Satani bridge	.....	.....		Large village.
7	Badagam	...	10	...	94	4	Good road passable for laden animals through to Dras.	.....	Nirilgah "	8250	S. G. F. W. and T. plentiful.	Ditto and thana.
8	Bodal	...	9	...	103	4		.....	Gratinar "	.....	S. G. F. W. and T. moderate.	Village and thana.
	<i>Gujrind</i>	...	...	...	109	.		.....	Bodab "	.....	
9	Abdulhun <i>E.—</i>	...	7	4	111	...	Rocky ascent of easy gradient and gradual descent.	.....	Kishengunga bridge or ford.	.....	S. and T. precarious, G. F. W. available.	Hamlet.
					119	...		Koombal pass	.....	13000.		
10	Koradgai <i>E.—</i>	..	16	...	127	...	The road passes through a wide open valley, barley chief cultivation, numerous hamlets.	Down	.....	.....	S. and T. nil, G. F. W. procurable.	Grass plain.
11	Haobal <i>E.—</i>	...	12	..	139	...		Mushki valley left bank.	.....	...	S. and T. precarious, G. F. W. procurable.	Hamlet.
12	Mushki <i>E.—</i>	...	9	...	148	...		.....	.....	.....	S. G. F. W. and T. moderate.	Village.
13	Dras <i>P. O., B., C., E.—</i>	...	7	...	155	...	Join Srinagar and Leh road.	.....	.....	.....	Ditto	Series of small villages, fort and thana.

This road opens 15th June and closes in November on first fall of snow.

From Badagam there is a track fit for laden ponies up the Gratinar valley, which crosses the Bobal and another pass, and descends to the Nagai river, where it joins the road going from Minimarg eastwards to the Shingo river and to Kargil. Another track from Bodal or Batwhai goes up the Bodal ravine and crossing the pass at its head joins the foregoing route at the second march.

Badagam 94 miles 4 furlongs, Bobal or Boda 104 miles, Haddar Bal Maidan or Harrai 113 miles, Tarzi Bir or Danyih Bir 122 miles, Gultarri on Shingo river 131 miles. No supplies and no transport. G. F. W. procurable throughout. Hence a path crosses the river, when fordable, strikes up the Shingo valley left bank, and crossing an intervening ridge emerges on the Deosai plains and joins the main route from Burzil Choki to Skardu about the 124 miles of Route XLIX. There are no bridges on the Shingo river, and it is unfordable after heavy rain and during the melting of the snow. For paths connecting the Tilail with the Sindh valley, see Routes La and Lb.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

XLVIII^d GODHAI to SKARDU by ALUMPI LA—

9	Godhai <i>B., E.—</i>	...	...	131	4	Rough hill path for men on foot only. Riding ponies may be led over the worst places with care.	Up Ditchell valley.	Bubind bridge	9100	S. and T. precarious, G. F. W. available.	Small village.
10	Bubind <i>E.—</i>	...	11	...	142	4	Ascent and descent of pass extremely steep and rocky with snow slopes. This route was selected by Raja Sir Ram Singh, K.C.B., on his return from Gilgit in 1891 in preference to the Banok La, his ponies and those of his staff got through.	.....	.....	S. and T. nil, G. F. W. procurable.	Village.
				...	151	4		Foot of pass.
				...	155	4		Alumpi La.		15200.	
11	Ringmo Chani <i>Thlashing Spung</i>	...	15	4	158	...	Down Shikarthang valley.	.....	.....	Ditto	Halting place.
				...	...	164	...	.....	.....
12	Shikarthang <i>E.—</i>	...	11	...	169	...	.....	The river is crossed several times by bridges.	.....	S. and T. nil, G. scarce, W. F. procurable. Ditto	Ditto.
13	Stakchun <i>E.—</i>	...	6	...	175	...	.....	.....	.....	Ditto	Hamlet.
14	Kutsura <i>E.—</i>	...	13	...	188	..	Up Indus valley left bank.	.....	.....	S. F. and coolies scanty, G. and W. procurable.	Village.

15	Pukora <i>E.—</i>	...	10	...	198	...	.....	.....	.....	Ditto	Ditto.
16	Skardu <i>P. O., T. O., C, E.—</i>	...	10	...	208	...	.....	.....	7400	S. G. F. W. and T. plentiful.	Cluster of villages, fort and capital of Baltistan.

From Shikarthang 168 miles a route branches off S. E. up the Dora Loomba over the Dori La to Boogival 191 miles, thence N. E. over the Burji La 15,697 feet descending down the Karpitu nala to Karpitu 205 miles, and Skardu 209 miles.

From Astor 149 miles another track south-eastwards joins this route at Thlashing Spung, the junction of the two streams from either pass, ascending the Parishing valley to Popul 159 miles, camp at foot of Banok La 177 miles, cross the Banok La 15,500 feet, and down a ravine to Thlashing Spung 196 miles, and to Shikarthang 201 miles, whence there is a choice of two routes to Skardu as above, that by Katsura is the easier, passing through more cultivation.

The Banok La is seldom used, as this pass is closed earlier than the Alumpi La, and there are 2 small glaciers to cross. Both the passes are open from 1st July to the first fall of snow, and travellers are liable to suffer from the rarity of the air in crossing.

XLVIIIe ASTOR to RONDU by TRONGO PIR—

10	Astor or Hasora <i>P. O., T. O., B., E.—</i>	...	...	149	...	Rough hill path for men on foot only.	Up Parishing valley right bank.	Astor bridge	7838	S. G. F. W. and T. available.	Fort, village, bazar and tehsil.
				153	...			Parishing bridge.				
11	Popul	...	10	...	159	...	Gradual ascent to top of pass and steep descent.	.....	.....	S. and T. nil, G F. W. procurable.	Small village.
12	Deorwhey	...	8	...	167	...	Road open for 3 months, July to October inclusive.	Up Deorwhey ravine. Trongo Pir.	15637	Ditto	Halting place.
13	Chutabar	...	13	...	180	...	.....	Down Tukchun valley right bank.	.....	Ditto	Hamlet.
	<i>Harpo</i>	...	...	...	185	...	.....			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLINGS				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA-LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
XLVIII	<i>ROUTE—contd</i> ...	...	...	185	...						
14	Rondu (Mendi) ...	14	...	194	...	Steep descent to Indus river.	Indus valley	.....	6650	S. G. F. W. and T. moderate.	Cluster of villages, residence of Raja.

There is an alternative track by Hurpo La 16,785 feet, where a mile of glacier has to be crossed. Astor 149 miles, Popul 159 miles, Camp at foot of pass, 170 miles 4 furlongs, Hurpo La 173 miles, down the Tukchun valley to Papothang 182 miles, Hurpo 192 miles, and Mendi or Kondu 200 miles. This road is not open until much later in July. Unladen ponies are crossed over. From Dashkin 163 miles 4 furlongs the Indian Atlas sheet shows a path up the Dichil valley from the right bank of the Astor river to a high pass over the dividing range; thence after crossing the head of the Sapser nala and a spur, the path descends down the Kurubar nala to Fulchurch on the left bank of the Indus river, a distance probably of 30 miles. Fulchurch is 15 miles west of Rondu, and on the right bank of the Indus river opposite are two tracks leading to Skardu, see Route XLV.

XLIX SRINAGAR to SKARDU by GURAI and DEOSAI PLAINS—

	Srinagar ...	...	...	0	...	Carriage road for 6 miles and thence	Down	.....	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State. Large town, bazar and Hari Parbat fort.
	<i>P. O., T. O., C. E.—</i>	...	...	11	4	10 ft. road passable for all laden animals through to Burzil Choki.	Jhelum valley left bank.	Noru bridge.			
1	Sumbhul ...	15	4	15	4	Road from Sumbhul skirts northern shore of Manus	Do. right bank.	Jhelum „	.....	S.G.F.W. procurable, T. after notice.	Village and shops.
	<i>E.—</i>	...	...	23	4		Along Eastern shore of				
	<i>Ajus</i> ...	...	...	33	4		Woolar Lake.	Erin „			

2	Bundipura <i>P. O., T. O., E.—</i>	...	19	...	34	4	Bal Lake and the eastern shore of Wolar Lake, nearly level to Bundipura with a few ups and downs over spurs.	.....	5200	S. G. F. W. and T. plentiful.	Large village and bazar.
3	Tragbal <i>B. E. C.—</i>	...	11	4	46	...	Tragbal spur	.....	9160	S. and T. nil, W. scarce, G. F. plentiful.	Halting place in forest of pine trees.
	<i>Safed Pattar</i>	...	...	...	51	...	Rajdiangan pass.	.....	11950		
4	Gorai <i>B. E.—</i> <i>Kanzhwan</i>	...	12	4	56	4	Hence sharp zigzag ascent of 1 in 7 gradient to Tragbal and top of hill, with 2 miles easy gradient on both sides of pass, then sharp zigzag descent for 3 miles and gradient of 1 in 10 falls to Kishengunga, and easy rise up this and Burzil valley.	Down Zudkusu valley.	.....	S. and T. nil, W. from river, G. F. plentiful.	Small maidan.
5	Gurais <i>P. O., T. O., B. E.—</i>	...	15	...	73	4	Up Kishengunga valley.	Kishengunga bridge.	7400	S. G. F. W. and T. plentiful.	Town and tehsil or thana, bazars in vicinity.
6	Peshwari <i>B. E.—</i> <i>Mimincarg</i> <i>T. O.—</i>	...	14	4	88	...	Up Burzil valley.	Kishengunga bridge.	7800	S. G. F. W. and T. plentiful.	Hamlet.
7	Burzil Choki <i>B. E.—</i>	...	11	...	93	...	.....	Cross Burzil twice by bridges.	.....	S. and T. nil G. F. W. available.	Small village.
		...	11	...	99	...	Stakpita pass	.....	9700	Ditto	Maidan and forest patches.
		...	102	4	102	4	.....	Burzil bridge	10740		
		...	104	4	104	4	From Burzil Choki the road turns off N. E. to the Deo-sai or Devil's plains which are devoid of vegetation, the home of marmots and musquitoes, early in the season, when the snow	Head Shingo ford.	12900		
		...	107	...	107	...	Sarsingar pass	.....	13860		
		...	107	4	107	4	.....	2 small lakes.			
8	Sikhbach <i>E.—</i>	...	15	...	114	...	.....	Jerbarcho Lake 3 miles distant N. W.	13160	S. G. F. T. nil, W. plentiful.	Halting place.
	<i>Chumda kut</i>	...	..	...	117	...	.....	Kinawai ford.			
		...	..	...	120	4	.....	Barwai			
		...	..	...	124	...	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER-MEDIATE.		TOTAL.								
		m.	f.	m.	f.							
XLIX	<i>ROUTE—contd.</i>	...	...	124	...							
9	Lalpani <i>E.—</i> <i>Ali Malik Marhi</i>	...	13	...	127	...	is melting, the rivers are full and deep, and fording is difficult.	..... ..... .....	Lamalung ford Pialung „	12500 13399	S. F. T. nil, G. poor, W. plentiful.	Halting place.
10	Usar Mar <i>E.—</i>	...	12	...	139	...	Laden mules can be taken by this route, though there are places where the loads must be taken off and carried by men over the difficulty.	..... .....	..... .....	13970 15700	Ditto	Ditto.
11	Karpitu <i>E.—</i>	...	16	...	155	...	From Burji La is a fair road to the Indus river.	.....	.....	7636	Ditto	Village.
12	Skardu <i>P. O., T. O., C. E.—</i>	...	3	4	158	4		.....	Satpur ford.	7400	S. G. F. W. and T. plentiful.	Cluster of villages. Fort, Waziri Wusarat, Capital of Baltistan.

At 117 miles, a track N. W. to the Jerbarcho or Cherosar Lake 3 miles distant, skirts the Northern shore, crosses the Chuchor La and descends down a ravine, which falls into the Burzil river at the 118 miles 4 furlongs of Route XLVIII. The total distance apart being 17 miles.

The Deosai plains are in reality a basin of 12,000 to 13,000 ft. elevation surrounded by high mountains with a single outlet to the S. E. the Shigar river, which flows into the Shingo river shortly before the latter falls into the Dras river. This plateau is not safe to cross before July or after September, as the snow lies deep and the high winds cause snow-drifts. There is little or no wood, occasional juniper roots serve as fuel. There is

no vegetation except in the narrow valleys, and that is scanty. Through supplies and transport are indispensable, and can be obtained at Gurais and Skardu. This is the shortest and most direct route from Kashmir to Skardu, and is frequented by travellers, notwithstanding its many drawbacks.

At Ali Malik Marhi 132 miles another track turns off eastwards, and crossing the shoulder of the intervening mountain goes down the parallel Sutpur Loongma valley to Skardu. There are 3 marches from Lalpani 127 m., junction of 2 streams on the Sutpur Cho 140 miles, on the eastern shore of the Sutpur Tso or Lake 152 miles, and Skardu 163 miles.

XLIX^a SKARDU to MUSTAGH PASS—

12	Skardu	...	...	...	158	4	Fair road over well cultivated plain, dotted with vil-lages, gardens and orchards of fruit trees, chiefly ap-ricots.	Up Shigar valley left bank.	Indus ferry	7400	S. G. F. W. and T. plentiful.	Cluster of villages, Fort and Capital of Baltistan.
13	Shigar	...	13	4	172			.....	.....	7500	Ditto	Town and Fort.
14	Khutti	...	6	...	178	...	.. ..	.....	.....	...	S. and T. precarious, G. F. W. procurable.	Small village.
15	Kashimul	.	13	...	191	...	.. ..	.....	.....	.....	Ditto	Ditto.
16	Dusso	...	15	...	206	...	Above the junction of the two rivers, Braldu and Basho, path fit for men on foot only.	Up Braldu valley.	Braldu river	.....	Ditto	Ditto.
	<i>Gund</i>	...	...	...	211	...						
17	Foljo	...	12	...	218	...		.....	„	.....	Ditto G. scarce	Ditto.
18	Hoto	...	16	...	234	..	From Foljo, path becomes rough and difficult with many ascents and descents over loose surface of mountain side.	.....	3 hot springs sulphur.	.....	Ditto	Ditto.
19	Askole	...	12	..	246	...		.....	Braldu bridge	.....	S. G. F. W. and T. moderate.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

Hence there used formerly to be two routes leading over the high Mustagh range towards Yarkund, the two passes being about 12 miles a part. Both have been disused for 30 years, partly owing to changes in the glaciers and to fear of robbers on the Northern side of the range. The route recorded by Major Godwin Austen in 1863 is as under :—

20	Korophon ...	8 ...	254 ...	....	Up Punmah valley right bank.	Biafo glacier	10145	S. and T. nil, G. F. W. procurable.	Halting place.
	<i>Dumordo</i> ...	...	262 ...						
21	Tsok ...	16 ...	270 ...	Path along bed of torrent over boulders.	.....	.....	.....	Ditto	Ditto.
22	Punmah ...	6 ...	276 ...	Path along edge of glacier on right bank.	.....	Punmah glacier.	10318	S. G. F. T. nil, W. melted snow.	Ditto.
23	Chongulter ...	8 ...	284 ...	.....	Cross glacier to left bank.	.. ..	.....	Ditto	Ditto.
24	Shingchakpi ...	8 ...	292 ..	.....	.....	.....	.....	Ditto	Ditto.
25	Skeenmang ...	6 ...	298 ...	Rough and tedious way up the glacier, making detours to avoid crevices.	Up Chiring valley.	Mouth of Nobundi Sobundi glacier.	.....	S. F. T. nil, G. moderate, W. melted snow.	Grassy level space.
26	Tsokar ...	6 ..	304 ...	.....	.....	.....	.....
27	Chiring ...	6 ...	310 ...	.....	.....	.....	.....	Ditto	Halting place at end of spur.

<i>Mustagh pass</i> ...	14 ...	324	Mustagh or Karakoram range of mountains.	18400 19003	Western pass. Eastern pass.
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- On the northern side, this route, as explored by Lieutenant F. E. Younghusband in 1887, descended down a glacier and after joining the route from the other Mustagh pass at Parong and another path from the Shimshal pass (due west which leads into Hunza) at Suget jungal, came to the Shaksgam or Oprang valley and thence reached the Yarkund river either at Gil or at Dora by crossing the Aghil Dawan pass 16,500 feet in to Raskum.
- There is no path yet known onwards down the Yarkund valley, owing it is said to high cliffs which border the river. From Dora, this route goes eastwards up the Yarkund valley to Chiragh Saldi, and thence northwards over the Chiragh Saldi and Tashkurgan passes by Kugiar and Kargalik to Yarkund. Another route from Skardu towards Yarkund formerly existed up the Shayok valley to Khapalu, thence up the Saltoro valley and the Bilafun glacier to a high pass over the Mustagh range. This route has long been abandoned for similar reasons.
- The natural difficulties to be met with in crossing the lofty Mustagh chain of mountains are so serious as to render it improbable that traffic between Kashmir and Yarkund will ever take this direction. If Gilgit could become a trade centre like Leh, traffic would be more likely to seek a passage this way, now that the passes above Hunza are open and that a stop has been put to Hunza raids.
- From Khutti 178 miles there is a shorter path up the Skoro valley over the Skoro La 16,644 feet to Askole which is open in summer, by Kutzah, 12,553 feet, Nangbrok 190 miles, over pass and glacier 6 miles long to Thlabrok 204 miles, and Askole 208 miles, crossing the Braldu river by a bridge of large span, 270 feet, at Askole.
- From Punmah upwards for 6 marches, the way is either alongside the moraine shed from the glacier, crossing the tributary side glaciers or upon the main glacier, avoiding rock ridges and large crevasses. Though some of these marches may appear short, the way is very devious to avoid obstructions. There is difficulty in finding a proper path, while at that high elevation the rarified air induces quick respiration and any exertion is followed by great fatigue. Many persons suffer greatly.
- From Askole upwards in a direct course, the distance over the glaciers would not exceed 50 miles rising 9,000 feet to the top of the Mustagh pass; the average gradient of the glaciers seems therefore fairly easy.
- On the north side of the Mustagh pass, the way is down a similar extensive glacier so that for at least 10 marches travellers must carry grass and wood fuel, besides supplies for men and animals.

L SRINAGAR to SKARDU by DRAS—

Srinagar <i>P. O., T. O., C., E.—</i>	0 ...	This first stage by land or water along good road or by boat across	Jhelum valley.	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State, large town, bazzars, Hari Parbat Fort.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEAL LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
L	<i>ROUTE—contd.</i> ...	...	...	0	...						
1	Gunderbul <i>E.—</i> ...	14	2	14	2	Anchar Lake or down Jhelum river to Shadipur and up Sindh river.	Up Sindh valley left bank.	Sindh bridge. Ditto.	5230	S. G. F. and coolies available, W. plentiful.	Village.
2	Khangan <i>E.—</i> <i>Haiyan</i> ...	11	3	25	5	Hence a good road up Sindh valley passable for laden animals.	Right bank 	Ditto Cross Sindh river several times according to present state of bridges.	6000	Ditto	Ditto.
3	Gund <i>E.—</i> <i>Kulan, E. confined—</i> ...	13	6	39	3	.....	.....	.....	6700	Ditto	Ditto.
4	Gugangair <i>E.—</i> ...	8	...	47	3	Road rough and rocky, but passable for horses.			7400	S. nil, G. and T. moderate, F. and W. plentiful.	Small village.
5	Sonamarg <i>P. O., T. O., E., some old log huts—</i> ...	7	2	51	3	Road good	Left bank Right „	Sindh bridge. Ditto	8650	S. scarce, T. moderate, G. F. W. plentiful.	Sanitarium on grassy downs.
6	Baltal <i>E.—</i> ...	9	...	63	5	Steep ascent for about 2,000 feet, and very gradual descent on north side.	.. .. Zoji La	Ditto 	9000 11300	S. and T. nil, G. F. W. procurable.	Huts.
				69	4						

7	Matayan	...	15	...	78	5	.....	Down Goomber or Dras valley left bank.	.....	11000	S. nil, F. T. moderate, G. W. procurable.	Hamlets.
	<i>B, E.—</i>	...			84	4						
	<i>Pandras</i>	...			90	4	.....	.....	Mushki bridge.			
8	Dras	...	12	7	91	4	Road of easy gradient over stony ground, pass three stone pillars.	.....	Marpochu bridge.	9825	S. G. F. W. and T. moderate.	Series of small villages, fort and thana.
	<i>P. O., T. O., B., C., E.</i>	...										
9	Tashgam	...	15	...	106	4	Narrow passage round rock at bridge, valley narrow and barren.	Right bank	Dras bridge	9390	Ditto	Village and thana.
	<i>B. E.,</i>	...			113	...						
	<i>Kharbu E.—</i>	...			115	...		.....	.....	.....	.....	Mouth of Shingo Shigar river.
10	Karkitchu	...	14	...	120	4	Road difficult in places.	Left bank	Dras bridge	.....	Ditto	Small village.
	<i>E.—</i>	...			126	...	.....	.....	.....	.....	.....	Junction of Suru river.
11	Gangani	...	10	...	130	4	Ditto along precipices in narrow valley.	.....	.. ..	.....	S. scarce, ditto	Ditto.
	<i>E.—</i>	...			141	4						
12	Olthingthang	...	12	...	142	4	Rugged path over scaffolding in places.	.....	Bamachancho bridge.	.. ..	Ditto	Ditto.
	<i>E.—</i>	...			147	...	.....	Down Indus valley left bank.	.....	.....	.....	Junction of Dras and Indus rivers.
13	Tarkuti	...	14	...	156	4	Hard march with long climb half way to Kartaksho.	.....	.....	7800	Ditto	Small village.
	<i>E.—</i>	...			160	4		.....	Torgooncho.			
	<i>Shiriting</i>	...			165	...	.....	.....	Gidiaxddcho.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.	
		INTER-MEDIATE. <i>m. f.</i>	TOTAL <i>m. f.</i>							
L	<i>ROUTE—contd.</i> ...	...	165	...						
14	Kartaksho or Kharmang. <i>E.—</i>	17	173	4	Fair road on right bank, while that on left bank crosses over high stony ridge, then fairly level along river. From Tolti steep ascent over high cliffs and easy descent to level ground and cultivation.	Down Indus valley left bank.	Indus rope bridge.	.....	S. G. F. W. and T. available.	Fort and large village on right bank of Indus river.
			178	4		...	Ingotcho.			
15	Tolti <i>E.—</i> <i>Shadock</i>	12	185	4		...	Ditto Kusuracho.	.....	S. G. F. W. and T. moderate.	Village and fort on left bank.
		...	194	...		...	Dumsumcho.			
16	Parkuta <i>E.—</i> <i>Sermi</i>	14	199	4	From Parkuta fair road, crossing several rock stairs with long strips of cultivation.	.....	Katicho.	.....	S. G. F. W. and T. plentiful.	Large village and fort.
		...	204	4		.....	Murkocho.			
17	Gol <i>E.—</i>	12	212	4	From Gol level road, crossing several rocky spurs and stony.	.....	Golcho.	... ..	S. G. F. T. moderate, W. plentiful.	Village.
18	Kepchung <i>E.—</i> <i>Grap</i>	17	229	...	From Kepchung road very good and level.	.....	.....	.....	Ditto	Ditto.
		...	230	...	.....	...	Kepchungcho.			

19	Skardu <i>P. O., T. O., C., E.—</i>	4	...	233	7400	S. G. F. W. and T. plentiful.	Capital of Baltistan. Cluster of villages, fort, tehsil or thana.
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This road is usually open from June to November inclusive.

Dr. A. Neve states that there is a direct mountain path from the Shalimar bagh on the N. E. corner of Dul Lake at Srinagar in a northerly direction over a ridge above 9,000 feet high and descending through the forest to Haiyan in the Sindh valley about 15 miles in length. From Haiyan the traveller could go to Kulian and the next day to Sonamarg.

From the Sindh river bridge 22 miles 4 furlongs, there is a road down the right bank of the river past Mangam 26 miles, to the Manusbal Lake 36 miles, along an old irrigation canal from the Sindh river and joins the Gilgit road near Sufertpur 38 miles at the N. E. corner of the Lake. In returning from the Sindh valley, travellers often take this route down to Manusbal. On the south side of the lake are the limestone quarries which supply the City of Srinagar.

From Parkuta 199 miles 4 furlongs, a track goes westwards up the Katichu valley by Soombda and Dhuppa over the Katichu La 15,053 feet, and goes across the head of the Sutpur Chu to Ali Malik-ke-mur on the Deesai plains, the distance is 40 miles, and is passable for ponies.

From Sermi 204 miles 4 furlongs, a path goes westwards up the Murko Loomba, and crossing the Gonnathang Migo pass, it turns northwards down the Kechung nala to Grapi at mile 230 of the main road. The distance by this pass is about the same.

From Gol 212 miles another path goes westwards up this nala over the Thurigo pass, and turns northwards down the Kechung nala to Grapi at mile 230 of main road. The distance by this pass also is about the same.

L^a SINDH VALLEY TO TILAIL VALLEY by GUNGABUL NAG—under HARAMOOK PEAK—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	By good road or by boat to Gunder- bul.	.....	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State.
1	Gunderbul <i>E.— Nunar</i>	...	14 2	14 2	2	Good road to the Sindh bridge and fair path to Wangut.	Up Sindh valley.	5230	S. G. F. and coolies available, W. plentiful.	Village.
	Drogdun or Fron <i>E.— Kachumbal</i>	...	10	...	2	.....	Up Kank- wai valley right bank.	.....	S. nil, G. F. W. plentiful, few coolies.	Small village.
2		...	...	24	2	.....	Sindh bridge.	.....	
		...	...	27	2	.....		.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
La	<i>ROUTE—contd.</i> ...	...	...	27	2					
3	Wangut ... <i>E.—</i> <i>Temple ruins</i> ...	8	2	32	4	.....	.....	6800	S. and T. nil, G. F. W. procurable.	Small village.
4	Tronkul ... <i>E.—</i>	8	4	41	...	From Nagbul, the path rises up the mountain side by a steep zig-zag to the birch forest at Tronkul —hence gradual descent over undulating grassy slopes to Gungabul. Easy ascent to pass and gradual descent to Migadol Nag.	..... .....	..... 10000	..... Ditto	Rajdainbul and Nagbul temples. Limit of birch forest.
5	Gungabul Nag ... <i>E.—</i>	6	4	47	4		.....	11800	S. F. T. nil, G. W. available.	Sacred Lake.
6	Migadol Nag ... <i>E.—</i>	6	...	50	...		Sat Saran pass. Down Shah and Nai glen.	.....	Ditto	Lake.
7	Gadasir ... <i>E.—</i>	6	...	59	4		.....	.....	S. and T. nil, G. F. W. procurable.	On river bank.
8	Lahun-i-thul ... <i>E.—</i>	9	...	63	4	Rough path onwards across 2 valleys and 2 spurs to Tilail.	Renino ridge. .....	.....	Ditto	Ditto.
	<i>Wazri Thul</i> ...	...	...	72	4	.....	Cross spur.	.....		
		...	...	73	4					

9	Badagam <i>E.—</i>	...	6	4	75	Tilail valley	Kishengunga bridge.	8250	S. G. F. W. and T. available.	Large village and thana on right bank Kishen- gunga.
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There are several lakes in the vicinity of Gungabul nag north of Haramook Peak 16,903 feet, and the northern glacier from the latter comes right down to the Gungabul lake.

This is a great place of pilgrimage, and is said to be one of the sources of the Ganges. Passing westwards between Gungabul nag and Loolgool nag and crossing an intervening ridge, Sirbal nag or Kola Sar is reached about 4 miles distant, hence there is a path which crosses another ridge 14,000 feet, and drops steeply and westerly down the Erin nala to Kodoora 7,000 feet and 9 miles, and to Bandipura 5,200 feet, and 13 miles. Total distance from Gungabul to Bandipura 26 miles.

The ascent of the Haramook Peak is usually made from Sirbal nag.

There is another approach to Gungabul nag from the Sindh valley by the Chittengool nala and the Brahimsar pass, crossing the head of the Kankwai valley. The same route is followed to the Sindh bridge 22 miles 4 furlongs, whence road turns off due north to Chittengool 25 miles 4 furlongs, Brahimsar nag 34 miles 4 furlongs, pass 36 miles, Gungabul nag 44 miles.

This road is traversed by laden ponies and mules from June until the first fall of snow in November.

Lb SONAMARG to TILAIL VALLEY—Bates No. 73.

5	Sonamarg <i>P. O., T. O., E.—</i>	...	...	...	54	5	Good hill path through grassy valley with patches of birch forest.	Up Nichinai valley.	.....	8650	S. scarce, T. moderate, G. F. W. plentiful.	Sanitarium.
					56	...		.....	Sindh Mair bridge.			
		<i>Saribal</i>	59	...		.....	.....				Marg.
6	Nichinai <i>E.—</i>	...	7	...	61	5	.....	.....	.....	13500	S. and T. nil, G. F. W. procurable.	Halting place.
					63	4	Steep ascent and easy descent over snow.	Nichinai Saga.				
					65	...		Across head of Raman Sind.	Vishan Sar.			
7	Krishan Sar <i>E.—</i>	...	8	...	69	5	.....	.....	Krishan Sar	12000	S. and T. nil, F. scarce, G. W. plentiful.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
Lb	<i>ROUTE—contd.</i> ...	8 ..	69 5						
			71 ...	Steep zig-zag ascent and steep descent by a fair path and easy march down valley. From Mushdi Nar path lies up a narrow gorge steep and slippery, crosses ridge and descends down another rocky gorge.	Cross ridge.	.....	13000		
			73 ...		Down Gadasir valley.	Gurasar nag.			
8	Mushdi Nar <i>E.—</i> ...	8 ...	77 5		Renino ridge	.....	10000 13000	S. and T. nil, G. F. W. plentiful.	Halting place.
9	Lohun-i-Thul or Dokolla Bal <i>E. small.—</i> <i>Wazri Thul</i> ...	5 ...	82 5 88 4	After crossing Lohun-i-Thul nala steep ascent of mountain and descent along ridge, then drop down spur through forest to Wazri Thul opposite Badagam.	Across Lohun-i-Thul valley.	Lohun-i-Thul nala.	9000	Ditto	Ditto.
10	Badagam <i>P. O., E.—</i> ...	7 3	90 ...		Tilail valley	Kishengunga bridge.	8250	S. G. and T. moderate, W. plentiful.	Large village and thana on right bank Kishengunga.

Some of these distances given in the route book appear too short.

There is another path from Saribal marg, which after crossing the Nichinai range follows down the Raman valley, when the river is fordable, and leads to the village of Bodal in the Tilail valley, crossing the Kishengunga by the Anaikot bridge, the total distance from Sonamarg being about 50 miles.

Another path from Sonamarg, after crossing the Sind bridge east, goes northwards up the Niligar ravine, crosses a high pass and glacier and descends down the Nilinai nala to the point where it falls into the Koradgai or Mushki river, and joins the road from the Tilail valley to Dras. See Route XLVIIIc, at the eastern foot of the Koombul pass, the whole distance being about 25 miles.

Lc DRAS to GUR AIS by SHINGO VALLEY—

	Dras <i>P. O., T. O., B., C., E.</i>	...	...	91	4	Rough and rugged path, over high spurs and along river, passable for footmen.	Up Marpo Chu.	.....	9825	S. G. F. W. and T. moderate.	Series of small villages, fort and thana.
1	Marpo <i>E.—</i>	...	11	4	103	0	.....	.....	.....	S. and T. nil, G. F. W. procurable.	Halting place.
					105	.....	Marpo La down Moondi valley.				
2	Sumalo <i>E.—</i>	...	18	...	121	...	Fair path along the valley broken by many ups and downs.	Up Shingo valley right bank.	Ditto	Hamlet.
3	Gultar <i>E.—</i>	...	5	...	126	..	.....	.....	.....	S. precarious, G. F. W. available, few coolies.	Small village.
4	Camp	...	10	...	136	...	.....	.....	.....	S. and T. nil, G. F. W. procurable.	Halting place.
5	Dumel <i>E.—</i>	...	10	...	146	...	Easy ascent and descent over the intervening ridges	Ditto	Ditto.
					153	...		Cross ridge down Nagai glen.				
6	Nagai <i>E.—</i>	...	11	..	157	...	.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
Lc	<i>ROUTE—contd.</i> ...	11	...	157	...						
	<i>Minimarg</i>	167	...	Join Gilgit road 93 miles between Gurais and Astor.	Down Burzil valley.	Burzil	Hamlet on Gilgit road.
7	Peshwari <i>E.—</i> ...	15	...	172	...	.....	.....	.....	.....	S. G. F. W. and T. moderate. Hamlet.
8	Gurais <i>P. O., T.O., B., E.—</i> ...	14	4	186	4	.....	Kishengunga valley.	Kishengunga bridge.	7800	S. G. F. W. and T. plentiful. Fort and thana situated between villages Daner and Mankoot with small bazars.

This route is seldom used as there are no supplies and no coolies available. It is passable from July to October inclusive.

From Gultar 126 miles, a path westwards leads both to Bodal and Badagam in Tilail valley.

From Dumel 146 miles, a track crosses the Shingo river when fordable and continues up the left bank for 20 miles to the head of the valley, where it joins mile 104 of Route XLIX, Srinagar to Skardu between the Stakpita and Sarsingar passes.

From Nagai 157 miles, another path southwards over the Bobal pass and down the Gratinar ravine to Badagam in the Tilail valley.

From Dras 91 miles 4 furlongs, there is a loop route to Sumalo down left bank Dras valley to Tashgam 106 miles 4 furlongs, and Kuksar at junction of Shingo river 115 miles; thence up Shingo valley right bank to Thatanot 125 miles, Kunar 135 miles, Fransart 144 miles, here it crosses the Shingo river to left bank and continues to Chamalong 151 miles, whence it either re-crosses the same river to Sumalo 157 miles, or continues up the left bank of the Shingo valley for 50 miles to its head at the eastern foot of the Stakpita pass.

Ld KARGIL or KARKITCHU to ASTOR by SHIGAR VALLEY and DEOSAI PLAINS—

	Kargil <i>P. O., T. O., C., E—</i>	...	...	...	...	Along Leh road to Chunagund 8 miles and cross Dras river to Karkitchu.						
1	Karkitchu <i>E.—</i>	...	11	...	120	4	Rough and rugged path, very difficult in places for laden animals.	Up Dras valley. Up Shigar valley left bank.	Dras bridge	9390	S. G. F. W. and T. moderate.	Small village.
					125	...						
2	Dring	...	10	4	131	...	.....	.....	.....	.....	S. and T. scanty, G. F. W. procurable.	Ditto.
					134	...	.....	.....	Phultukswai.			
					138	...	.....	.....	Junction of Shingo and Shigar rivers.			
3	Ruia	...	9	...	140	...	.....	.....	.....	.....	Ditto	Ditto.
4	Mutial or Gunial	...	10	...	150	...	.....	.....	Karpuchu	.....	Ditto	Ditto.
5	Das	...	13	...	163	...	Path improves as valley widens out and emerges on to Deosai plains.	.....	.....	.....	S. and T. nil, G. F. scanty, W. plentiful.	Hamlet.
6	Katasiri	...	18	...	181	..	.....	.....	.. ..	.....	Ditto	Halting place.
					185	...	.....	.....	Shigar ford.			
7	Chumda Kut	...	16	...	197	...	Crosses road from Srinagar to Skardu at 120 miles, Route XLIX.	Deosai plains	.....	...	Ditto	Ditto.
8	Cherosar	...	9	...	206	...	.....	.....	Jerbarcho lake.	.....	Ditto	Ditto.
					207	4	.....	Chuchor La.				

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABO SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL							
		m.	f.	m.	f.						
Ld	<i>ROUTE—contd.</i> ...	...	...	207	4	.....	Down Chor Chu.				
9	Das ...	13	...	216	...	Join Gilgit road at mile 119 of Route XLVIII.	Down Burzil valley.	... ..	.....	S. and T. nil, G. F. W. available.	Small village.
10	Godhai ...	10	4	229	4	.....	... ..	.....	.....	Ditto	Ditto.
	<i>E. Gurikot</i> ...	...	...	240	...	.....	Down Astor valley.	Astor bridge	7800		
11	Astor ...	17	4	247	...	.....	.....	... ..	7800	S. G. F. W. and T. moderate.	Fort and thana, residence of Raja of Hasora.
	<i>P. O., T. O., B., E.—</i>										

From Mutial 149 miles, a path branches off up to the head of the Karpuchu valley and crossing the Bari La, 178 miles, descends down the Prinkiting Chu valley to its junction with the Upper Shigar river, and crossing the latter 204 miles, it joins at 205 miles the Srinagar and Skardu route XLIX at the crossing of the Pialungwai, 128 miles 4 furlongs between Kalapani and Ali Malikke Mur on the Deosai plains.

Lc KARKITCHU to PARKUTA by KHORABORIGO LA -

10	Karkitchu ...	...	...	120	4	Rough and rugged path, very difficult in places for laden animals.	..... Up Shigar valley left bank.	.....	.....	S. G. F. W. and T. moderate.	Small village.
				125	...						

11	Dring	...	10	4	131	...	.....	.....	.....	.....	S. and T. scanty, G. F. W. procurable.	Ditto.
					134	...	.....	Up Phultukswai valley.	.....	.....
12	Auril	...	9	...	140	...	.....	.....	.....	.....	S. G. F. T. moderate, W. plentiful.	Ditto.
13	Phultuks	...	7	...	147	...	.....	.....	.....	.....	Ditto	Village.
					152	4	Path branches off to Torgoon La.					
14	Phultuks Tso	...	11	...	158	...	.....	.....	Lake	.....	S. and T. nil, G. F. W. procurable.	Halting place.
					164	...	.....	Khoraborigo La.				
15	Rongul	...	20	...	178	...	.....	Down Genial valley.	.. ..	.....	Ditto	Hamlet.
16	Shadock	...	9	...	187	...	Join the Skardu road at mile 194 and continue to Parkuta, mile 199½.	Indus valley left bank.	Dumsumchu	.....	S. and T. scanty, G. F. W. procurable.	Small village.
17	Parkuta	...	5	4	192	4		Indus valley	.....	.....	S. G. F. W. and T. plentiful.	Large village and fort.

This route is more direct and 7 miles shorter than the main road down the Suru and Indus valleys.

From mile 152½ about half-way between Phultuks and the Lake, a path turns eastwards 30 miles long over the Torgoon La, and down the Torgoon Chu by Dado Niril to Shiriting at mile 160 of the main road I.

From the same point following the same path over the Torgoon La for the first 10 miles, another track diverges northwards across the heads of the two valleys, Torgoon and Gidiardo Loongma, and the intervening spur between and crossing another ridge by the Khunnay La, it drops down the Kusura Loongma by Thasing to Tolti at mile 185½ of the main road. The total distance of this transmontane route from Phultuks to Tolti is 40 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

LI SRINAGAR to LEH by DRAS—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	The first stage by road or by boat, either across Anchar lake or down Jhelum river to Shadipur and up Sindh river to Gunderbul	Jhelum valley	.. ..	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State, large town, bazars, Hari Parbat fort.	
1	Gunderbul <i>E.—</i>	...	14	2	14	2	Hence a good road up Sindh valley, passable for laden animals.	Up Sindh valley left bank.	Sindh bridge Ditto.	5230	S. G. F. and coolies available, W. plentiful.	Village
2	Khangan <i>E.—</i>	...	11	3	25	5	.....	Right bank	Ditto	6000	Ditto	Ditto.
	<i>Haiyan</i>	...	...	...	30	...	.....	.....	Cross Sindh river several times according to present state of bridges.			
	<i>Surphrar</i>	...	...	...	35	...	.....	.....	
3	Gund	...	13	6	39	3	.....	.....		6700	Ditto	Ditto.
	<i>Kulan E. confined—</i>				43							

4	Gugangair <i>E.—</i>	...	8	...	47	3	Road rough and rocky but passable for horses.	.....	.....	7400	S. nil, G. and T. moderate, F. and W. plentiful.	Small village.
					51	3		Left bank	Sindh bridge.			
5	Sonamarg	...	7	2	54	5	Road good	.....		8650	S. scarce, T. moderate, G. F. W. plentiful.	Sanitarium on grassy downs.
	<i>P. O., T. O., E. some old log huts</i>	...	...	...	55	5	.....	Right bank	Ditto.			
6	Baltal <i>E.—</i>	...	9	...	63	5	Steep ascent for about 2,000 feet and very gradual descent on north side.	.....	.....	9000	S. and T. nil, G. F. W. procurable.	Huts.
					69	4		Zoji La	.....	11300		
7	Matayan <i>B., E.—</i>	...	15	...	78	5		Down Goomber or Dras valley left bank.	.....	11000	S. nil, F. T. moderate, G. W. procurable.	Hamlets.
	<i>Pandras</i>	...	...	...	84	4		.....	Mushki bridge.			
					90	4	.....	.....		
8	Dras <i>P. O., T. O., B., C., E.</i>	...	12	7	91	4	Rough and stony road.	.....	Marpochu ,,	9825	S. G. F. W. and T. moderate.	Series of small villages, fort and thana, 3 stone pillars.
9	Tashgam <i>B., E.—</i> <i>Kharbu E.</i>	...	15	...	106	4	.....	Right bank	Dras bridge	9390	Ditto	Village and thana.
		...	...	...	113	..	.....	.....	.....	.....	.....	Police station.
10	Chunagund <i>E.—</i>	...	15	...	121	4	Road rough and broken.	.....	.....	8675	S. and T. nil, G. F. W. procurable.	Small village.
					123	4	.....	Up Suru valley left bank.	Junction of Suru and Dras rivers.			
11	Kargil <i>P. O., T. O., B., E.—</i> <i>Pashkim E.</i>	...	6	...	127	4	Road over sandy plateau.	Up Wakachu valley left bank.	Suru bridge	8787	S. G. F. W. and T. plentiful.	Capital of Parik, fort and thana.
		...	...	...	133	...	.....	.....	Wakka bridge	.....	.. ..	Large village and fort.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
11	ROUTE—contd.	...	...	133	...					
12	Shergol <i>B., E.—</i> <i>Mulleck</i>	18	6	146	2	Road good	.....	10290	S. G. F. W. and T. available.	Village and Buddhist monastery. Large monastery and colossal figure cut out of rock.
		...	...	149	...	.....	.....	.....	.....
		...	...	158	...	Easy ascent and descent.	Namika La	13000	.....
13	Kharbu <i>Hiniskoot</i>	19	...	165	2	.....	Up Sange Coona valley.	10890	Ditto	Group of villages.
		...	...	172	4					
		...	...	176	...	Easy ascent and descent.	Photu La	13300		
14	Lamayuru <i>B., E.—</i> <i>Khalsi</i>	15	2	180	4	Road crosses torrent several times.	Up Indus valley right bank	11400	S. G. F. W. and T. moderate.	Large Monastery. Fort.
		...	...	190	4			10000		
		...	...	191	4	Good road	.....	.....	Ditto	Village.
15	Nurla <i>B., E.—</i>	18	2	198	6	Road rough over granite boulders.	.....	.....	Ditto	Ditto.
16	Saspul <i>B., E.—</i> <i>Buzgo</i>	14	6	213	4	Road better, crossing plateau.	.....	.....	S. and T. nil. G. F. W. available.	Small village.
		...	...	221	...	.....	.....	.....	S. G. F. W. and T. procurable.	Large village.

17	Nimu <i>B., E.—</i>	...	11	4	225	...	Road over rough ground and barren plateau.	.....	Suemo Drokpo bridge.	.....	S. G. F. W. and T. moderate.	Small village.
	<i>Phayang B.</i>	...	...	...	236	...	.....	.....	Lunachmo Foo bridge.	10500	S. and T. nil, G. F. W. procurable.	Village and monastery.
	<i>Pitak</i>	...	...	...	239	...	Good road hence over gravelly slope to Leh.	.....	.....	11400	S. G. F. W. and T. abundant.	Large town and fort, capital of Ladak.
18	Leh <i>P. O., B., C., E.—</i>	...	18	2	243	2		.....	.....	

This road is usually open from the middle of June to middle of November, though snow may be met with on top of Zoji La to end of June. It is the chief trade route between Kashmir and Yarkand.

From Kargil, 127 miles 4 furlongs, a path goes eastwards over the Hamothing La to Dumgul on the Indus by Apatithung 136 miles, Hamothing La 140 miles, Laloo 144 miles, Dumgul 151 miles.

For southern route from Kargil 127 miles 4 furlongs by Sankhu 9,970 feet, opposite Kuartse, to Suru 171 miles 4 furlongs, see Route XVI. From Shergol a track goes westwards over the Naktul La by Yognagil 12 miles to Chalskot on the Suru river 15 miles. Total 27 miles.

From Mulbeck an alternative track south-eastwards crosses over the Sirvasthan La to Kharbu, being about the same distance as by the main road over Namika La.

From Himiskoot 172 miles, a path goes south-westwards up the Kangi ravine by Kilechu 13 miles, crosses the Kangi La 12 miles, to Ringdom Monastery 15 miles on the Suru or Sankpo river. Total length 40 miles.

From Nurla, 198 miles 6 furlongs, there is an alternative route to Bazgo, which branches off a little beyond the village of Nurla, turns up a ravine northwards to Timisgam 203 miles, rising about 1,500 feet. It then goes eastwards to Hemis Shukpa, where there is a grove of pencil cedars and the ruins of an old tower 210 miles, and continuing along the high plateau broken by occasional ravines, Tarutse 220 miles is reached, and then Bazgo 226 miles. If this upper route be taken, the stages from Nurla would become Hemis, Bazgo, Phayang and Leh.

Lia SINDH VALLEY to LIDAR VALLEY by JAJIMARG and DACHINPARA—

	Kulan <i>E. confined—</i> <i>Zaicvind E.</i> <i>Yensa Nag E.</i>	...	...	43	3	Road from Kulan to Lidarwat not safe for laden ponies, very slippery and dangerous in wet weather.	.....	Sindh bridge	.....	S. G. F. W. and T. moderate.	Small village.
	Sekiwas in Jajimarg. <i>E.—</i>	...	14	4	57	7	Basnai range Plateau called Jajimarg.	Lake.	14000	S. and T. nil, G. W. plentiful, F. dwarf Juniper.	Halting place.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
L1a	<i>ROUTE—contd.</i> ...	14	4	57	7						
2	Lidarwat <i>E.—</i> ...	9	1	67	...	Hence a fair road passable for laden ponies and mules.	Down Lidar valley left bank. This valley is called Dachinpara.	Lidar bridge	.....	S. and T. nil, G. F. W. available.	Halting place.
3	Aru <i>E.—</i> ...	9	...	76	...	.....		...	.....	Ditto	Hamlet.
4	Pailgam <i>E.—</i> ...	9	...	85	...	Good road passable for laden animals.	.....	.....	8500	S. G. F. W. plentiful, T. available.	Chief place in Dachinpara, cluster of villages.
	<i>Ganeshbal</i> ..	...	...	...	...	.....	.....	.....	.....	.....	Chief stage of pilgrimage.
	<i>Butkot</i> ...	...	...	...	...	.....	.....	.....	.....	.....	Village.
5	Eishmakam <i>E.—</i> ...	14	...	99	...	.....	.....	.....	.....	Ditto	Mahomedan shrine, old copper mine at Harpat Nag.
6	Bawan <i>E.—</i> ...	10	...	109	...	.....	.....	.....	.....	Ditto	Beautiful spring, temple and caves.
7	Islamabad or Anant Nag. <i>P.O., T.O., B., C., E.</i>	4	4	113	4	.....	.....	Sulphurous hot springs.	5450	S. G. F. W. abundant, T. ample.	Town and bazar, head-quarters of district.

There are tracks from two places in the Sindh valley to Jajimarg, *viz.*, Surphrar 35 miles, and Kulan 43 miles 3 furlongs. The former is seldom used. Most travellers go first to Sonamarg, and on their return branch off from Kulan. If coming the other way, they take the Kulan route as the nearest to Sonamarg. From Kulan after crossing the Sindh river the road ascends a spur through pine forest for 5 miles, then through birch trees, and ascends the grassy sides of the hill to Yemsa Nag and upwards to the summit, whence an easy descent to Sekiwas. From Jajimarg are paths to the seven lakes, through Nag Baran to Srinagar, through Arphal to Pampur, and through Trahal to Awantipur.

LI^b BALTAL to AMARANATH—

6	Baltal	...	...	...	63	5	This track is only practicable while the snow bridges across the river are able to bear weight.	Up the Sangam Kol or Upper Sindh valley.	.....	9000	S. and T. nil, G. F. W. procurable.	Huts.
7	Panjitarni	...	8	...	71	5			.....	.....	S. and T. nil, G. W. available, F. Juniper bushes.	Halting place.
8	Amaranath Cave	5	...	76	5	There is no regular path; closed after June.			Cave in the gypsum rock.	13000	Nil.	Celebrated place of pilgrimage sacred to Siva.

LI^c DRAS to ZANSKAR by SURU—

	Dras	...	...	...	91	4	Rough road for laden animals. Steep ascent and easy descent.	.....	Dras river	9825	S. G. F. W. and T. moderate.	Series of small villages, fort and thana.
	<i>P. O., T. O., B., C., E.</i>	...	...	...	97	..		Lamagoos La.				
	<i>Pranwari</i>	...	...	...	100	...		Umba La.				
1	Umba	...	15	4	107	...	Gentle ascent and steep descent.	Down Nakpochu valley.	.....	.....	Ditto	Village.
2	Sankhu	...	9	...	116	...	Fair hill road	Up Suru valley left bank.	.....	9970	S. G. F. W. and T. procurable.	Junction of Phulangma or Kurtse river.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
Llc	<i>ROUTE—contd.</i> ...	9 ...	116 ...						
3	Suru <i>E.—</i> ...	18 ...	134 ...	Hence steep ascent and descent over Parkutse spur or go round latter along right bank of Sankpo river about 12 miles.	Up Sankpo valley right bank. Parkutse La.	Suru bridge	10624	S. G. F. T. moderate, W. plentiful. S. and T. nil, G. F. W. available.	Fort and village. Small village.
4	Parkutse ...	6 ...	137 ... 140 ...		Up Sankpo valley right bank.				
5	Gulmatongo ...	12 ...	152 ...	Easy road passable for laden animals.	.....	.....	.....	Ditto	Huts.
6	Ringdom or Gonpa Lama serai <i>E.—</i> ...	17 ...	169 ...	.....	.....	Kungi ford	.....	S. and T. precarious, F. G. W. available.	Lama monastery.
	<i>Tari Tonzus</i> ...	... ..	171 4	.....	.....	Paller Brokhpoo.			
7	Randun Sankpo <i>E.—</i> ...	13 ...	182 ...	On both approaches to this pass, several spurs have to be crossed which break up the road, but the general gradient is easy.	..... Pensi La	..... .....	..... 14400	S. F. G. T. nil, W. plentiful.	Junction of Maroo or Petgam road at foot of Pensi La. Cross glacier.
8	Chumkurmoo ...	20 ...	202 ...		Down Doda or Zanskar valley left bank.	.....	.....	S. and T. nil, G. F. scanty, W. plentiful.	Halting place.

9	Abring or Rooshool <i>E.—</i>	...	16	...	218	...	Rough road but passable.	.....	.....	.....	Ditto	Hamlet.
10	Phe <i>E.—</i>	...	12	...	230	...	Fair hill track passable for laden animals.	.....	.....	12000	S. G. F. W. procurable, few coolies.	Village nearly opposite A ting on right bank.
	<i>Tungring</i>	...	...	...	238	...	.....	Right bank	Doda bridge.			
11	Seni Gonpa <i>E.—</i>	...	11	...	241	...	.....	.....	.....	11560	Ditto	Village and temple.
					243	...	.....	.....	Seni Tokpho bridge.			
12	Padam <i>E.—</i>	...	9	...	250	...	.....	.....	Tsarap Lingti Chu or Sindu.	11373	S. G. F. W. and T. procurable.	Former capital of Zanskar, village and fort.

From Sankhu 116 miles after crossing the Suru river there is a road eastwards up the Phulangma or Kurtse river to Kurtse 119 miles, a small town, and Itchu 137 miles, whence there is said to be a difficult footpath up the Hang ravine south-east over the high range to Ringdom monastery 161 miles.

From Ringdom 169 miles there is a difficult footpath over the Lima Lursa La 184 miles, across the head of the Omachu valley to Kesi La 208 miles, across the head of the Lunung Chu valley to Hulooma La 214 miles and 15,453 feet, down Tehelong Chu valley to its junction with the Omachu 222 miles, crossing the spur on both sides of this river, up the left bank of the Zanskar river by Hanomil 234 miles, Pidum 240 miles, Zozar 252 miles and 11,583 feet, where there is a rope bridge over the Doda or Zanskar river and along the right bank to Thonde 260 miles, and to Padam 270 miles.

At Tungring, join road from Umasi La, see Route XVII.

LII SRINAGAR to LEH by SURU—

THERE ARE SEVERAL POSSIBLE ROUTES ACROSS THE HILL COUNTRY AS SHOWN IN THE FOLLOWING TABLE.
FIRSTLY, OF PASSES BETWEEN THE JHELUM, DACHINPARA OR LIDAR AND THE MAROO OR WURDWAN VALLEYS.

SUNASUR NAG.		KISSLIN GULLI OR DIDOOF NAG.		HAIRBUL GULLI.		NILTOPA GULLI OR CHOR NAG.		MARGAN PASS OR SHILSAR PASS.		HOKSAR PASS.	
	Miles.		Miles.		Miles.		Miles.		Miles.		Miles.
Srinagar ... 5,235ft.	0	Srinagar ...	0	Srinagar ...	0	Srinagar ...	0	Srinagar ...	0	Srinagar ...	0
Takt-i-Suli- man 6,263ft.	3										
Gupcar ...	4	Pampur ...	8	Pampur ...	8	Pampur ...	8	Pampur ...	8	Pampur ...	8
Nishat Bagh ...	7	Awantipur ...	18	Awantipur ...	18	Awantipur ...	18	Awantipur ...	18	Awantipur ...	18
Shalimar ...	9	Trahal ... <i>Up Patarkool valley.</i>	7	Bij Behara ... <i>Cross mouth of Lidar valley.</i>	11	Bij Behara ... <i>Across Dachinpara valley.</i>	11	Bij Behara ...	29	Bij Behara ...	29
Harwan ... <i>Bund of Water-works.</i>	11	<i>(Sotoor for Nagbaran.)</i>	11					Islamabad ...	17	Islamabad ... <i>Up Bringh valley.</i>	17
Dajgaon ...	8	Bhogmoor pass 9,100ft.	33	Salee ...	14	Salee ...	14	Achibal ..	41		
Nagbaran ...	13	Wallarhama	37	Veil ..	47½	Veil ...	47½	Shangus ...	46	Sagam ...	48
Srinagar ...	0	Wallarhama ...	37	Mesaj pass ...	49	Mesaj pass ...	49	Shangus ...	46	Wangam ...	54
Pampur ...	8	Danhut ...	42	Gowrun .. <i>Up Kutihar valley</i>	8	Gowrun ... <i>Across Kutihar valley.</i>	8	Hurrikun gulli.	51	Gohoon ... <i>Up Nowboog valley and Brinwar ravine.</i>	56
Wean ... <i>Iron mines.</i>	11										
Shar ...	6	Lungni valley	14	.....		.....		Karpoor ..	52		
Westerwan ridge.	17										
Pustuni ...	19	Doodschur Nag nala	54	Rishpura ...	54	Rishpura ...	54	Nowboog ... <i>Up Nowboog valley.</i>	12		

Arphal ... 21 <i>In Patarkool valley.</i>	.....	...	...	Dardpoora ... 55	Kimrun ... 7½ 58½	Gooran ... 9 67	Doos ... 63
Sotoor ... 9 23	Kisslin gulli ... 58	...	...	Hairbul Nag 10 61	Niltopa gulli ... 64½	Margan pass ... 73 11,600 ft.	Rajparan ... 14 70
Tamnag ridge ... 31	Kisslin ... 13 64	...	...	Ditto Gulli ... 62	Zamkut ... 9 67½	Inshin ... 16 83	Hoksar pass ... 74½ 13,315 ft. <i>Down Sutgul valley.</i>
Nagbaran ... 10 33	Suknis ... 12 76	...	...	Jajmarg ... 63 <i>Down Choi Draman Nai.</i>	Suidraman ... 7½ 75	Baswan ... 91	
Nagbaran ... 33	Wallarhama ... 37	...	...	.....	Baswan ... 80	Suknis ... 16 99	
<i>Gross high ridge</i> ... 36	Eishmakan ... 43	...	...	.....	Suknis ... 13 88		
Tar Sar ... 37	Lokutpoora springs. ... 45	...	...	Suidraman ... 11 72 <i>In Wurdwan valley.</i>	Bij Behara ... 29	Shangus ... 46 <i>In Arpat or Kuti-har valley.</i>	Phamber ... 13 83
Lidar Wat ... 12 45 <i>In Dachinpara valley.</i>	Harpat Nag 14 51 <i>Old Copper mine.</i>	...	...	.....	Islamabad ... 6 35	.....	Dolwas ridge ... 86
Aru ... 9 54	Goguldar ... 55	...	...	Baswan ... 77	Martund ... 6 41 <i>Ancient temples.</i>	Wutrus ... 47½	Maroo or Petgam. 14 97 <i>In Wurdwan valley.</i>
Pailgam ... 9 63	Liwapatur ... 57½	...	...	Suknis ... 13 85	Renipura ... 45½ <i>Across Arpat valley.</i>	Halkun gulli ... 52	
Tanin ... 10 73	Lungni valley 8 59	...	...	.....	Watrus ... 8½ 49½	Nowboog ... 10 56	
Zoijpul ... 78	Didoof Nag and gulli. ... 62	...	...	.....	Metmoo ... 53	Gooran ... 9 65	
Sunasur Nag 8 81	.....	...	...	.....	Saogam ... 7½ 57	Shilsar pass ... 72½	
Ditto Gulli ... 83	Baswan ... 13 72 <i>In Wurdwan valley.</i>	...	...	.....	Chor Nag gulli ... 69	Hirmai ... 16 73	
Suknis ... 10 91 <i>In Wurdwan valley.</i>	Suknis ... 8 80	...	...	.....	Inshin ... 8 81 <i>In Wurdwan valley.</i>	Pasur Nai ... 16 81	
		...	...	.....	Baswan ... 89	Maroo or Petgam. 12 93 <i>In Wurdwan valley.</i>	
		...	...	.....	Suknis ... 16 97		

SECONDLY, OF PASSES BETWEEN THE WURDWAN AND SURU VALLEYS—

BHUTKHOL PASS KWAJ KUR ROUTE.			BHUTKHOL PASS RANGMARG ROUTE.			CHILUNG PASS.			REMARKS.
	Miles.			Miles.			Miles.		
Suknis	76	Suknis	80	Maroo or Petgam.	...	93	<p>All the foregoing routes between the Jhelum, Dachinpara and Wurdwan valleys are comparatively easy with the exception of the high snow passes, which are all difficult. The Sunasur Nag, Hairbul, Niltopa and Chor Nag are the worst passes with bad approaches.</p> <p>Between the Wurdwan and Suru valleys both the Bhutkhol and Chilung passes are most trying, the Chilung pass is the worst over 10 miles of glacier.</p> <p>There are two ways over the Bhutkhol pass dependent upon the state of the snow. When the latter is hard, the Rangmarg route is preferred, as it is longer and of easier gradient. Afterwards the Kwaj Kur route, which is steeper, is taken.</p>
Dumhoi ...	9	85	Dumhoi ...	9	89	Zubban ...	...	101
Morsekhol ...	12	97	Pajahoi ...	...	94	Hot Springs.	...	...
Metwan ...	...	...	Pajahoi ...	...	94	Metwan ...	14	107
Bhutkhol pass 14,370 ft.	...	107	Kanital ...	15	104	Maharran ...	10	117	
Dunore ...	20	117	Bhutkhol pass	...	114	Kailgan rocks	12	129	
			Jalahoi ...	16	120	Camp west foot of glacier.	12	141	
Suru ...	10	127	Suru ...	15	135	Chilung pass	...	146	
						East foot of glacier	...	151	
Parkutse ...	6	133	Parkutse ...	6	141	Ramdun Sankpo.	20	161	
Gulmatongo ...	12	145	Gulmatongo ...	12	153	<i>Junction of road from Pensi La.</i>			
Ringdom ... <i>Lama Monastery.</i>	17	162	Ringdom ... <i>Lama Monastery.</i>	17	170	Ringdom ... <i>Lama Monastery.</i>	13	174	

THIRDLY, OF PASSES BETWEEN THE SURU AND INDUS VALLEYS—

KUNGI LA AND PHOTU LA.			KUNGI LA AND CHOMOTHANG LA.			KUNGI LA, CHOMOTHANG LA AND CHOKE LA.			KUNGI LA, CHOMOTHANG LA, CHOKE LA AND KUNDU LA.			REMARKS.
Miles.			Miles.			Miles.			Miles.			
Ringdom	162										Between the Suru and Indus valleys, both roads over the Kungi La to Lamayuru are fairly passable. At Lamayuru, the main road from Srinagar to Leh Route LI is joined.
<i>West foot of pass...</i>	12	174										
Kungi La ...	...	177									
<i>Down Haman valley.</i>												
Kilchu ...	15	189	Kilchu ...	...	189						
Kangi ...	...	192	Kangi ...	...	192						
Hiniskut ...	13	202	Domboom ...	6	195							
			Chomothang La.	...	200							
			<i>Down Shilla Kong valley.</i>									
Photu La ..	...	206½	Shilla ...	19	214	Shilla ...	...	214			
			<i>Up Ripchar valley.</i>			Phanjila ...	7	221				
			Prinkitil La ...	...	217						
Lamayuru ...	9	211	Lamayuru ...	6	220	Hinjoo ...	9	230				
<i>Join Leh road over Zujila.</i>			<i>Join Leh road.</i>			Choke La ...	...	234½			On the Choke La route there is no bridge over the Indus at Nimu.
						<i>13,513 ft.</i>						
Khalsi ...	...	221	Khalsi ...	...	230	<i>Down Sumdahfoo.</i>					
<i>Indus bridge.</i>			<i>Indus bridge.</i>			Drogulika ...	10	240				

THIRDLY—(continued.)

KUNGI LA AND PHOTU LA.			KUNGI LA AND CHOMOTHANG LA.			KUNGI LA, CHOMOTHANG LA AND CHOKE LA.			KUNGI LA, CHOMOTHANG LA, CHOKE LA AND KUNDU LA.			REMARKS.	
Miles.			Miles.			Miles.			Miles.				
Nurla	...	18½ 239½	Nurla	...	18½ 238½	Ezas	...	9 249	Ezas	249	On the Kunda La route there is a bridge over the Indus at Shushot, but the road about Chiling on the Zanskar river and up the Markha river is a mere footpath.
Saspul	..	14¾ 244	Saspul	...	14¾ 253	<i>Down Zanskar river.</i>			<i>Up Zanskar river.</i>	...	8	257	
Nima	...	11½ 255½	Nimu	...	11½ 264½	<i>.....</i>			<i>Up Markha river.</i>	...	9	266	
Leh	...	18½ 273¾	Leh	...	18½ 282¾	Nimu	...	16 265	Skio	...	...	275
<i>11,500 feet.</i>						<i>Join Leh road.</i>			Kunda La	...	12	278	
						Leh	...	18½ 283½	Urucha	...	16	294	
									Shushot, Indus bridge.	...	10	304	
									<i>10,560 ft.</i>				
									Leh	...			
									<i>11,500 ft.</i>				

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

LIII SRINAGAR to INSHIN in WURDWAN by the MARGAN or IKPATRAN PASS—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0		By road or by boat up the river Jhelum to Kanabul, 50 miles by water.	Up Jhelum valley on right bank.	.....	5235	S. F. G. W. and T. abundant.	Capital of Kashmir Hari Parbat fort. Large town and bazars.
	<i>Pandrethan</i>	...	...	4	...	.....	.....	.....	.....	.....	Ancient capital and temple in ruins.
	<i>Pampur E.</i>	...	...	8	...	.....	.....	.....	.....	.....	.....
1	Awantipur <i>E.—</i>	...	18	...	18	.....	.....	.....	5300	S. and T. nil, F. G. W. plentiful.	Two ancient temples in ruins.
	<i>Bij Behara</i>	...	...	...	29	.....	.....	.....	.....	.....	Town and temples.
	<i>Kanabul B.</i>	...	...	...	33	4	.....	.....	5400	.....	Terminus of river navigation.
2	Islamabad <i>P. O., T. O., C., E.—</i>	...	17	...	35	...	Good road passable for laden animals to Nowboog.	Cross mouth of Arpat valley, then ascend Kutihar to Shangus along left bank.	Sulphurous springs.	5450	S. F. G. W. and T. ample.	Town, bazar and head-quarters of zillah.
	<i>Achibal B.</i>	...	...	...	36	...	.....	Arpat bridge	.....	.....	Old Imperial garden and famous spring.
3	Shangus <i>E.—</i>	...	11	...	46	...	.....	.....	.....	Ditto	Large village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LIII	<i>ROUTE—contd.</i> ...	11	...	46	...						
	<i>Karpur E.</i> ...	...	...	52	...	.....	Cross Karpur range by Hurrikun or Hulkun gulli.	.....	.....	S. G. F. W. and T. moderate. Village on high ground.
4	Nowboog E.— ...	12	...	58	...	Hence road becomes rough but is passable for laden animals to Inshin.	Up Nowboog valley.	.....	.....	S. G. F. W. plentiful, T. available. Large village.
5	Gooran ...	9	...	67	...		.....	Nowboog bridge.	.....	Ditto Small village.
				73	...	Road over pass of easy gradient but rocky on both sides, level plain for 2 miles on top of pass, fine views eastwards and westwards.	Margan pass or Ikpatran.	...	11600	..... Pir Punjal range.
6	Inshin in Wurdwan. E— ...	16	...	83	...		.....	Wurdwan bridge.	8143	S. and T. precarious, F. G. W. plentiful. Village and capital of Wurdwan.

The alternative route by Hulkun gulli from Shangus to Nowboog is 2 miles shorter, but not so good.

There is another route from Islamabad 35 miles, by Martund 41 miles, where are the ancient temples of the Sun, cross the Arpat or Kutihar valley to Watrus 49½ miles and ascend left bank and ravine to Saogam 57 miles, thence ascend the Pahaput spur of the main range Pir Punjal to the Chor Nag and gulli 69 miles and descend down the Hirmai ravine and cross the Wurdwan river by bridge to Inshin 81 miles. The approaches to the Chor Nag pass on both sides are very steep and rocky.

LIV SRINAGAR to HANLE by ZANSKAR—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	By road or by boat up the river Jhelum to Karabul, 50 miles by water.	Up Jhelum valley on right bank.	.....	5235	S. F. G. W. and T. abundant.	Capital of Kash- mir, Hari Parbat fort. Large city and bazars.
	<i>Pandrethan</i>	...	...	4	...	.....	.....	.....	.....	.....	Ancient capital and temple in ruins.
	<i>Pampur E.</i>	...	...	8	...						
1	Awantipur <i>E.—</i>	...	18	...	18	.....	.....	.....	5300	S. and T. nil, F. G. W. plentiful.	Two ancient temples in ruins.
	<i>Bij Behara</i>	...	...	29	...						
	<i>Kanabul B.</i>	...	...	33	4	.....	.....	.....	5400	.....	Terminus of river navigation.
2	Islamabad <i>P. O., T. O., C., E.—</i>	...	17	...	35	Good road passable for laden animals to Doos.	..... Up Bringh valley.	Sulphurous springs. Arpat bridge.	5450	S. F. G. W. and T. plentiful.	Large town, bazar and head-quarters of zillah.
				36							
3	Sagam <i>E.—</i>	...	13	...	48	.....	.....	.....	.....	S. F. G. W. and T. available.	Large village.
	<i>Wangam E.</i>	...	...	54	...						
4	Gohoon <i>E.—</i>	...	8	...	56	.....	Up Nowboog valley and Brinwar ravine.	..	.....	S. and T. nil, F. G. and W. procurable.	Small village.
	Doos <i>E.—</i>	...	...	63	...	Hence road is very difficult in places for laden animals.		.....	..	S. F. G. W. and T. available.	Large village.
5	Rajparan <i>E.—</i>	...	14	...	70	.....	.....	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LIV	<i>ROUTE—contd.</i> ...	14	...	70	...						
				74	4	Approaches on both sides rough, steep and stony.	Hoksar pass down Sutgul ravine.	.....	13315	
6	Phamber <i>E.—</i> ...	13	...	83	...	.....	Dolwas spur	.....	.. ...	S. and T. nil, G. F. W. plentiful. Halting place.
7	Maroo or Petgam in Wurdwan. <i>E.—</i>	14	...	97	...	Path rough and rugged and very difficult in places for ponies.	Up Furriabad valley right bank.	Wurdwan bridge.	.....	S. F. G. W. and T. moderate. Village and custom house.
	<i>Zubban E.</i> ...	...	...	105	...	.....	.....	.....	.....	Hot springs.
8	Metwan <i>E.—</i> ...	14	...	111	...	.....	.....	.....	.....	S. and T. precarious, G. F. W. moderate. Small village.
9	Maharran <i>E.—</i> ...	10	...	121	...	.....	.....	.....	.....	Ditto Ditto.
10	Kailgang rocks ... <i>E.—</i>	12	...	133	...	.....	.....	.....	.....	S. and T. nil, G. F. W. moderate. Halting place.
11	Camp west foot of glacier	12	...	145	...	.....	.....	.....	.....	S. and T. nil, G. F. scanty, W. plentiful. Ditto.
				150	...	Glacier 10 miles long.	Chilung pass.				

	<i>East foot of glacier ...</i>	...	...	155	...							
12	Ramdun Sank-po	20	...	165	...	Junction of 2 roads, down valley to Suru, and up to Padam by Pensi La.	.....	.....	.....	S. F. G. T. nil, W. plentiful		
				175	...		Pensi La	.....	14400	.....		Cross glacier.
13	Chumkurmo	20	...	185	...	Easy gradient crossing spurs on both sides of pass.	Down Doda or Zanskar valley left bank.	.....	.....	S. and T. nil, F. G. scanty, W. plentiful.		Halting place.
14	Abring or Roos-hool.	16	..	201	...	Rough road but passable.	.....	.....	.....	Ditto		Hamlet.
15	Phe	...	12	...	213	...	Fair hill track, passable for laden animals, junction of road from Kishtwar over Umasi La.	.....	.....	12000	S. F. G. T. procurable, few coolies.	Village nearly opposite Ating on right bank.
	<i>Tungring</i>	...	...	...	...		Right bank		Doda bridge.			
16	Seni Gonpa	...	11	...	224							
	<i>E.—</i>				226		.....		Seni Tokpho bridge.	11560	Ditto	Ditto and temple.
17	Padam	...	9	...	233	...	.....	.....	Tsarap Lingti Chu bridge.	11873	S. G. F. W. and T. procurable.	Former capital of Zanskar, village and fort.
	<i>E.—</i>											

Hence there are two routes to Hanle, one by Thonde, Shadi, Shoon and Lachalung to the Tso Morari Lake and the other up the Tsarap Lingti Chu across a corner of the British territory to the same Lake.

18	Thonde	...	9	...	242	...	Rough hill track, very difficult in places for laden animals.	.....	.....	11460		
	<i>E.—</i>				248	...		Thonde La down Shingri Chu.	.....	16700		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LIV	<i>ROUTE—contd.</i> ...	..	...	248	...						
19	Soulantakakh ...	14	...	256	...	Instead of following river, spur opposite junction may be crossed by Shingri La.	..... Down Niri Chu left bank.	Cross Shingri Chu several fords. .....	..... .....	S. F. G. T. nil, W. procurable.	Junction of Niri Chu.
	<i>Mulla Sumda</i> ...	...	...	263	...	.....	Right bank	Niri bridge	.....	.....	One mile to Shadi Monastery.
	<i>Shalipo</i> ...	...	...	266	...	.....	.....	.....	.....	.....
				270	4	.....	.....	.....	.....	.....
20	Tontak Gonpa ...	16	...	272	...	.....	.....	.....	.....	S. and T. scanty, F. G. W. available.	
	<i>E.—Bokung</i> ...	...	...	276	4	From Bokung another path follows down the right bank of Niri Chu to its junction with Shoon river and up the right bank of latter to Karmoch, thus avoiding the two passes, distance about the same.	Malo Kontse La. Gotunta La	Ditto. .....	..... 16570.	.....
				278	...	.....	.....	.....	.....	.....
				284	...	.....	.....	.....	.....	.....
21	Karmoch ...	16	...	288	...	.....	Up Shoon valley right bank.	.....	.....	Ditto	Small village.
	<i>Mane Leh</i> ..	...	...	295	...	.....	.....	.....	.....	Ditto	Hamlet.
22	Sutak ...	14	...	302	...	.....	.....	.....	.....	Ditto	
23	Takh ...	9	...	311	...	.....	.....	.....	.....	S. and T. precarious, F. G. W. procurable.	Small village.
				317	...	.....	.....	Hot spring.	.....	.....

24	Juktak	...	13	...	324	...	Join main road Lahoul to Leh passable for laden animals to 350 miles.	Up Gata ravine.	.....	...	S. F. G. T. nil, W. procurable.	
25	Sumdo <i>B.E.—</i>	...	8	...	332	...	.....	.....	.....	.....	Ditto.	
	<i>Pinboyokma</i>	...	...	...	334	...	.....	Lachalung La.	.....	16630.		
		...	...	...	340	...	.....	.....	.....	.....
26	Sum Gal <i>E.—</i>	...	18	...	350	...	Khiangchu mai- dan, good road.	Up Sum Khey1 Lomba.	.....	...	S. and T. precarious, F. G. W. procurable.	Hamlet.
27	Tractagol	...	16	...	366	...	Rough and rugged path.	.....	.....	.....	S. F. G. T. nil, W. scanty.	
		...	...	...	370	...	.....	Telekon La down Phirse valley.	.....	.....
28	Huahl	...	12	...	378	...	Junction of road from Lanyer La.	.....	.....	.....	S. and T. nil, F. G. W. scanty.	
29	Manechan <i>E.—</i>	...	14	...	392	...	Junction of road from Pangpo La.	.....	...	.....	S. and T. nil, F. G. W. scanty.	Halting place.
30	Khulmoche <i>E.—</i>	...	11	...	403	...	.....	.....	...	.....	S. and T. nil, F. G. W. scanty.	Ditto.
34	Kiangdom <i>E.—</i>	...	11	...	414	...	Rough track pas- sable for laden animals.	.....	South end of Tso Morari Lake.	14900	S. F. T. nil, G. W. scanty.	Plain, Lake water brackish.
		...	...	...	422	...	.....	Narboo La.	.....	.....
35	Lam Tso <i>E.—</i>	...	20	...	434	...	.....	Across head of Parechu valley.	Lake	.....	S. and T. nil, F. G. W. procurable.	Halting place.
36	Dongam Le <i>E.—</i>	...	9	...	443	...	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Ditto.
		...	...	...	447	...	.....	Lenak La.	.....	.....	.....	Two tracks over this pass.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LIV	<i>ROUTE—contd.</i>	...	...	447	...						
37	Gongra Le <i>E.—</i>	...	11	...	454	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Halting place.
38	Hanle <i>E.—</i>	...	20	...	474	Across Thungangeri plain.	.....	On left bank of Hanle river.	14270	S. F. G. W. and T. moderate.	Village and large monastery and thana.

From Huahl 378 miles, there is a path eastwards over the Lanyer La 385 miles, and down the Kingha Sharma ravine to 392 miles, whence another path turns off south-east over the Karzok La 399 miles, and down the Karzokfoo to Karzok monastery 408 miles, and 14,960 feet on the western bank of the Tso Morari Lake. Thence going southwards along this same shore Kharlung is reached at 414 miles and Kiandom at 426 miles.

Or continuing from the Kingha Sharma camp at 392 miles down this ravine eastwards, Shakshang 404 miles, is met on a plain, in which the Tso Kiagr Lake is situated; thence southward, along the same stream which flows into the north end of the Tso Morari at Peldo, Deldo Le, 413 miles is reached. Following the eastern shore of this Lake to Lunkserma Le 426 miles, the road strikes off eastwards over the Chagarehan La 436 miles, to Ooti 341 miles, and southwards to Lam Tso 444 miles.

LIV^a ZANSKAR to TSO MORARI LAKE by TSARAP LINGTI CHU—

17	Padam <i>E.—</i> <i>Burdun Gonpa or Pipcha.</i>	...	...	...	233	...	Fair road, passable for laden animals.	Up Tsarap Lingti valley left bank.	.....	11373	S. F. G. W. and T. procurable.	Former capital of Zanskar, village and fort.
		...	...	...	239	...						

18	Reru <i>E.—</i>	...	15	...	243	...	Junction of road from Poat La down Tema-Tokpho road rough.	.....	Chemohekora bridge.	.....	S. and T. precarious, F. G. W. procurable.	Hamlet.
					248	...		.....	Reru Tokpho bridge.			
19	Sar Leh <i>E.—</i> <i>Char</i>	...	13	...	261	...	.....	.....	.....	.....	Ditto	Ditto.
					263	Junction of Niri Chu river.	Char bridge				12800	.....	On right bank.
20	Tetha <i>E.—</i>	...	9	...	270	...	Good road	.....	.....	.....	Ditto	Hamlet.
					278	...	Hence a road over the Phirtse La to Chumikmarpo 15 miles.	.....	.....				13670	S. F. G. W. and T. procurable.	Village.
21	Kargyah <i>E.—</i>	...	11	...	281	...	.....	.....	.....	.....	S. F. G. W. and T. procurable.	Village.
					287	...	.....	Surichun La, down Lingti Chu valley.	Two small glaciers.			
22	Chumikmarpo	...	13	...	294	...	.....	.....	Cross several ravines.	.....	S. G. F. T. nil, W. procurable.	Junction of Yunan river.
					311	...	.....	..	Yunan river			
23	Lingti Sarchu <i>E.—</i>	...	19	...	313	...	Boundary of Kashmir, cross border into British territory to Pankpo La.	Up Tsarap or Maling valley.	Sarchu river	.....	S. F. T. nil, G. W. available.	Junction of Sarchu and Lingti rivers.
					330	...	Road good as far as Lama Guru, hence difficult in places.			
25	Thung Ch ung Chiri.	...	12	...	342	...	.....	.....	Maling ford	.....	Ditto	Ditto.
					356	...	Fairly easy ascent and descent, but slippery over snow slopes.	Pankpo La down Lankpol valley right bank.	.....				17500
26	Tso Kum	...	18	...	360	...	.....	Lake.	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LIV ^a	<i>ROUTE—contd.</i> ...	18	...	360	...						
27	Khiang Shisa ...	11	...	371	...	Good road onwards down Lankpol and Phirsefoo to Kiangdom.	.....	.....	.....	.....	Hamlet.
				372	...		.....	Kurgiepl nala.			
28	Manechan ... <i>E.—</i>	8	...	379	..	Join direct road from Thonde to Tso Morari.	.....	.....	.....	S. and T. nil, F. G. W. scanty.	Halting place, junction of Phirse river.
29	Khulmoche ... <i>E.—</i>	11	...	390	...	.....	.....	.....	.....	Ditto	Halting place.
30	Kiangdom ... <i>E.—</i>	11	...	401	...	.....	.....	South end of Tso Morari.	14900	S. F. T. nil, G. W. scanty.	Plain, Lake water brackish.

This route is open from about middle of July to middle of October.

From Char bridge 263 miles, a road north-east by Char 264 miles up the right bank of the Niri Chu to Phooktal Gonpa 268 miles, and onwards to Bokung bridge 278 miles, where it joins the Thonde and Tso Morari road at mile 276½ between Tontak Gonpa and Karmoch.

From Lingti Sarchu 313 miles, there is a road due north along the Tsarap valley to Juktak 324 miles, where it joins the Thonde and Tso Morari road at mile 324, one march from the Lachalung pass.

The two alternative Routes LIV and LIV^a are therefore equal in length as far as Juktak.

There is not much difference in the length of these two routes between Padam and Kiangdom, the Thonde and Lachalung pass route is perhaps the easier of the two, as crossing the snow over the Pankpo La is a difficulty.

LV SRINAGAR to SIMLA and UMBALLA by KISHTWAR and KULU—

	Srinagar 0 ...	By road or by boat up the river Jhelum to Kanabul 50 miles by water.	Up Jhelum valley right bank.	.....	5235	S. F. G. W. and T. abundant.	Capital of Kashmir, Hari Parbat fort, large city and bazars.
	<i>P. O., T. O., C., E.—</i>							
	<i>Pampur E.</i> 8 ...							
1	Awantipur ... 18 ... 18 ...		.....	.....	5300	S. and T. nil, F. G. W. plentiful.	Two ancient temples in ruins.
	<i>E.—</i>							
	<i>Bij Behara</i> 29 ...	.....	Left bank	Jhelum bridge			
	<i>Kanabul B.</i> 33 4	.....	.....	Ditto	5400	.....	Terminus river navigation.
2	Islamabad ... 17 ... 35 ...	Good road, passable for laden animals, which cannot cross the Chenab and Wurdwan rope bridges near Kishtwar.	Up Bringh valley.	Sulphurous springs.	5450	S. F. G. W. and T. plentiful.	Large town, bazar and head-quarters of zillah.	
	<i>P. O., T. O., C., E.—</i>							
	<i>Achabal</i> 41 ...							
	<i>B., E.—</i>							
3	Harhama ... 11 ... 46 ...		.....	.....	.....	S. F. G. W. and T. moderate.	Village.
	<i>E.—</i>							
	<i>Sagam</i> 49 ...							
4	Wyl ... 9 4 55 4		Bringh bridge	S. and T. nil, F. G. and W. procurable.	Junction of Nowboog river.
	<i>E.—</i>							
	<i>Promoo</i> 60 ...		.....	Up Marbul ravine.			
5	Wankringi or Karbodaram 64 4	Road good, but steep ascent and descent over pass.	.....	.....	.....	S. and T. nil, F. G. and W. plentiful.	Hamlet.
	<i>E.—</i>				11550			
6	Singpur ... 9 . 73 4	Road very fair.	Marbul pass down Kasher Khol valley.	.....	.....	S. and T. nil, F. G. and W. procurable.	Small village.
	<i>E.—</i>							
	<i>Chatru</i> 78 4	.....	.....	.....	.....	.....	Junction of Sinchun Khol.
7	Moghul Maidan... 10 .. 83 4	Road fair with exception of crossing the two rope bridges to Kishtwar.	.....	.....	.....	S. and T. scarce, F. G. and W. procurable.	Small village.
	<i>E.—</i>							
	.. ... 90 ...		.....	Wurdwan bridge.			
	... .. 91 4		.....	Chenab do.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LV	<i>ROUTE—contd.</i>	...	91	4					
8	Kishtwar <i>P. O., E.—</i>	11	4	95	Chenab valley	.....	5000	S. G. F. W. and T. plentiful.	Small town and fort on high plateau above junction of Wurdwan and Chenab rivers.
<p>From Wyl 55 m. 4f. at the entrance of the Nowboog valley, there is a loop route up the latter and the Brinwar ravine to Doosu, 62 miles, hence over the Chingam pass, 70 miles, and down the Daogur Nar to Chingam 80 miles, and following the Sinehun Khol to its junction with the Kasher Khol at Chatru, 86 miles. There is a good road on the western side to the foot of the Chingam pass; both the ascent and descent are precipitous and rugged over much snow and ice; from the foot of pass on eastern side to Chingam the track is fair and hence to Chatru good.</p>									
9	Bagni	13	108	...	Up Chandra Bhaga valley left bank.	.....	6150	S. and T. precarious. F. G. and W. plentiful.	Hamlet.
10	Pyas	10	118	...	.....	.....	6320	S. and T. nil, F. G. and W. procurable.	Ditto.
11	Siri <i>E.—</i> <i>Jhar</i>	9	4	127	.....	.....	8700	S. and T. nil, F. G. and W. procurable.	Halting place 2000 ft. above Chenab. Path southwards over Panji pass into Karney Gad valley.
		...	137	...	.....	.....	.....	.....	.....

12	Atholi <i>E.—</i>	...	14	...	141	4	Junction of Padar and Chenab rivers. Road fair.	Cross to right bank.	Chandra Bhaga bridge.	6360	S. F. G. W. and T. procurable after notice.	Village on left bank, Golabgurh fort, chief place of Padar, opposite on right bank.
13	Sol <i>E.—</i>	...	8	...	149	4	Road very difficult in 2 places.	.....	Shendi bridge.	.....	S. F. G. W. and T. moderate.	Village on right bank.
14	Ashdari <i>E.—</i>	...	10	...	151 159	4 4	Road fair ...	.....	Ooniar „	.....	S. and T. nil, F. G. and W. procurable.	Hamlet.
	Kashmir and Chamba border.	...	...	...	165	4	.....	.....	Bilon „			
15	Darwas <i>C., E.—</i>	..	10	...	169	4	Junction of road eastwards over Sursunk and Poat La to Reru in Zanskar. Fair road.	.....	.....	8429	S. F. G. W. and T. available.	Large village.
					170	4		.....	Sursunk „			
16	Kilar <i>E.—</i>	...	6	...	175	4	Junction of road south westwards over Sachi pass by Tisa to Chamba.	.....	.....	8411	S. F. G. W. and T. procurable.	Village.
17	Sauch <i>E.—</i>	...	8	4	184	...	Junction of road south westwards over Chini pass to Tisa and Chamba.	.....	.....	7886	S. F. G. W. and T. moderate.	Ditto.
					185	...		.....	Tuan „			
18	Majrao	...	7	...	191	...	Rough and rugged road, very difficult in many places from Sauch to Saor.	.....	... ..	.....	S. and T. nil, F. G. W. procurable.	Hamlet.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTÉ.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.								
		m.	f.	m.	f.						
LV	<i>ROUTE.—contd.</i> ...	7	...	191	...						
19	Saor ...	8	...	199	...	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Hamlet.
				200	...	.....	Cross to left bank.	Chandra Bhaga bridge.		
20	Tindi ...	14	...	213	...	Junction of 2 roads westwards over the Charg and Drali passes into Chamba.	.....	.....	S. F. G. W. and T. moderate.	Village on left bank Chandra Bhaga.
				219	...		Cross to right bank.	Ditto.			
21	Margraon ...	16	...	229	...	.....	.....	.....	S. and T. nil, F. G. and W. procurable.	Hamlet on right bank.
	<i>Odapur</i> ...	...	...	233	...	.....	.....	Bendi bridge.		
				236	...	.....	Cross to left bank.	Chandra Bhaga bridge.		
22	Triloknath E.— ...	9	...	237	4	Junction of road westwards over Kalichu pass 15,990 feet to Chamba.	9566	S. F. G. W. and T. plentiful.	Several villages on left bank. Hindu temple frequented by pilgrims.

From Sauch to Odapur there is another route inland over the Gurdhar pass, 17,000 feet, which is taken when the river route is dangerous. There are 2 tracks over the Gurdhar pass between Bataor and Miyar, both very bad and arduous, grass shoes and ice axes necessary. The longer route goes from Bataor to Leias 6 miles at foot of pass, to Chirpat 15 miles crossing pass and to Miyar 3 miles.

17	Sauch	...	...	...	184	...	Road fair	Up Tuan valley.	.....	7886.		
18	Saichu	..	12	...	196	.	Ditto	.....	Tuan bridge	8412	S. and T. precarious, F. G. and W. procurable.	Hamlet.
19	Bataor	...	9	...	205	...	Very bad ascent, cross long snow field, cutting steps, and more difficult descent.	.....	.....	11633	S. and T. nil, F. G. W. procurable.	Ditto.
					214	...		Gurdhar pass down Bendi valley to Odapur.	17000	There are 2 routes over Gurdhar pass both very bad, the other by Leias and Chirpat.
20	Miyar	...	16		221	...	Road fair down valley, but difficult near Odapur.	.....	.....	10215	S. and T. precarious, F. G. and W. procurable.	Hamlet.
					227	...		Bendi bridge			
21	Odapur	...	12	...	233	...	Road good	.....	Bendi "	.....	S. F. G. and T. scanty, W. plentiful.	Village and Hindu Temple.
					236	...	.....	Cross to left bank.	Chandra Bha-ga bridge.			
22	Triloknath	...	4	4	237	4	Road easy	.....	.....	9566	S. F. G. W. and T. plentiful.	Cluster of villages on left bank Chenab. Hindu temple frequented by pilgrims.
					239	4	Cross to right bank.	Chandra Bha-ga bridge.				
	Bamankoti <i>Chamba boundary, enter Kulu or British territory.</i>	...	...	...	243	...	Junction of road over Chobia pass to Chamba.	.....	Ditto.			
23	Jarna	...	14	4	252	...	Road fair	.....	.....	.....	S. F. G. W. and T. plentiful.	Village on right bank Chenab river.
	<i>Rupch on left bank</i>	254	...	Junction of road over Kukti pass	Ditto.				
	<i>Lota</i>	262	...	17000 feet to Chamba.						

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		[INTER-MEDIATE.		TOTAL.							
		<i>m.</i>	<i>f.</i>	<i>m.</i>	<i>f.</i>						
LV	<i>ROUTE—contd.</i> ...	...	...	262	...						
24	Tandi ...	14	.	266	...	Good road ...	.....	.....	S. F. G. W. and T. available.	Village at confluence of Bhaga and Chandra rivers.	
25	Kailing ...	4	...	270	...	Bagha valley well cultivated. Road easy with exception of narrow part round rocks.	Cross Bagha valley at its mouth.	Bhaga bridge	10100	S. F. G. W. and T. moderate.	Capital of Lahoul, Moravian Mission.
	<i>Kardang B.</i> ...	...	...	271	...						
26	Gundla ...	12	...	282	...	Junction of road westwards over Bara Baghal pass to Chamba and Kulu. Opposite Gundla a remarkable precipice.	.....	Cross 2 large hill torrents bridged.	10300	S. F. G. W. and T. available.	Village on cultivated terrace.
27	Sissu ...	9	...	291	...	Road bad in places, many ups and downs, wild scenery.	.....	Sisu ,, 5 hill torrents crossed by bridges.	9938	S. F. and T. scarce, G. and W. procurable.	Small village.
	<i>New Koksar</i> ..	...	...	301	...	.....	.....	.....	.....	S. F. and T. scanty, G. and W. plentiful.	Village.
				304	...	.....	.....	Chandra			

28	Koksar <i>B. C. E.—</i>	...	14	...	305	...	Ascent and descent of pass very steep.	.....	bridge.	10260	Ditto	Rest house.
					311	...	Cross this pass very early in morning owing to high wind after 9 A.M.	Rotang pass down Beas valley right bank.	.....	13500		
29	Rahla <i>E.—</i>	...	10	...	315	...	Good road through lovely scenery, all the way to Sultanpur.	.....	.....	9000	S. and T. nil, F. G. W. available.	Hamlet.
	<i>Pulchun</i>	...	...	...	318	...	.....	.....	Solung or	.....	.....	Good sport up Solung nala.
	<i>Burwa</i>	...	...	...	320	...	.....	.....	Sarahi bridge	.....	.....	Snake temple.
					321	...	.....	.....	.....	.....	S. and T. available.	On upward journey take supplies at Burwa.
					322	...	.....	.....	Chenag "	.....	
30	Manali <i>E.—</i>	...	10	...	325	...	.....	.....	Kshal "	.....	S. F. G. W. and T. procurable.	Village.
	<i>Baran</i>	...	...	...	330	...	.....	.....	Manali "	.....		Chikor shooting.
					334	...	.....	.....	Kuish "	.....	.....	Red bears round Shegli.
31	Dwara or Katrain. <i>B., E.—</i>	...	13	...	338	...	.....	Down Beas valley.	Dobi "	4723	S. F. G. W. and T. available.	Dwara small town, Katrain bungalow.
					342	...	.....	.....	Raison bridge			
					344	...	.....	.....	Bandrol "			
32	Sultanpur <i>P. O., D. B., E.—</i>	...	12	...	350	...	.....	.....	Beas bridge.	4092	S. F. G. W. and T. plentiful.	Capital of Kulu, town, bazar, tehsil and police thana on right bank of Beas.

From Rahla, 315 miles, there is another route along the left bank of the Beas river to Sultanpur and Bajaora.

29	Rahla <i>E.—</i>	315	Head of Beas valley.	9000	S. and T. nil, G. F. W. available.	Hamlet.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LV	<i>ROUTE—contd.</i>	...	...	315	...						
	<i>Burwa, E.</i>	...	...	320	...	Fine plain	Down left bank.	.....	.....	S. and T. available.	On upward journey take S. and T. here for crossing Rotang pass.
30	Bashist <i>E.—</i>	...	7	...	322	.....	.....	Hot springs.	6683	Ditto	Small village.
					324	.....	.....	Beas bridge.			
					326	Junction of road eastwards over Hamta pass 14,000ft. to Spiti.	.....	Hamta "	.....	.....	Good sport up nala.
31	Jagatsuk <i>E.—</i>	...	6	...	328	.....	.....	Doagnu "	5985	S. F. G. W. and T. moderate.	Small village.
	<i>Gojra</i>	...			327	Good road through beautiful scenery.	.....	Splendid cascade.			
32	Nagar <i>E.—</i>	...	9	...	337	.....	.....	Beas bridge	5780	S. F. G. W. and T. ample.	Small civil station on left bank of Beas.
					342	.....	.....	Raogi "			
	<i>Kois</i>	...			345	.....	.....	Kois "	.....	.....	Fair sport up nala.

33	Sultanpur <i>P. O., D. B., E.—</i>	13	350	Road branches off westwards over	.....	Beas bridge	4092	S. F. G. W. and T. plentiful.	Capital of Kulu, town, bazar, tehsil and police thana on right bank of Beas.
			350	4	Bubu pass 10,000 ft. to Palampur, Kangra and Pathankot 141 miles.	Sorbari "			
			355		Road branches off eastwards up Parbati Nala to Manikarn hot springs, 5,587 ft.	Beas bridge			.....	Called Duff bridge.
34	Bajaora <i>B., E.—</i>	9	359	Road branches off westwards over Dulchi pass 6,000 ft. to Mandi.	.....	Kandi "	3573	S. F. G. W. and T. procurable.	Small bazar and old ruined fort on right bank of Beas. Good sport around.
			362		Bridle road made and bridged throughout in good order and passable for laden animals to Nagnkunda.	Beas "			
35	Larji <i>B., E.—</i>	12	371	Up Chata valley. Cross to left bank. Right bank.	.....	Synj "	.....	Ditto after notice.	Hamlet on left bank of Synj river at junction with Chata river. Small village.
			373						Chata "
36	Manglaor <i>B., E.—</i> <i>Plach</i> <i>P. O.</i>	8	379		.....	Ditto	3710	S. F. G. W. and T. moderate.	Large village, tehsil and police thana. Small village.
			381						5718
37	Jibi	9	382	Ascent through pine forest and by steep zigzags to top of pass and descent gradual.	.....	Ditto	.....	Ditto after notice.	Small village.
			388						
			395	Jalaori pass down Arni valley.	.....		10000		
38	Kot <i>B.—</i>	11	399	Fine scenery	.....		7750	S. F. G. W. and T. moderate after notice.	Ditto.
39	Choai <i>B.—</i>	9	408	Road leaves the valley and ascends a spur.	Cross spur and descend into Sutlej valley.	Arni bridge	6162	S. F. G. W. and T. plentiful.	Cluster of villages.	

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		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LV	<i>ROUTE—contd.</i> ...	9	...	408	...						
40	Dularsh <i>B.—</i> ...	8	...	416	...	Continuous descent, very steep in places to Sutlej river and after crossing, very steep ascent by zigzags.	S. F. G. W. and T. moderate after notice.	Village.
				421	Sutlej bridge	Called Lori.
							Ditto	Large village.
41	Komarsen <i>B.—</i> ...	9	...	425	...	Continuous ascent up spur, steep in places, to Nagkunda where join Hindustan and Thibet road.	8800	S. F. G. and T. moderate, W. scarce.	Small bazar.
42	Nagkunda <i>P. O., D. B.</i> ...	7	...	432			

From Hamta 326 miles, there is a track eastwards up the Raini or Hamta valley by Chika 11 miles over the Hamta pass 14,000 feet to Chahtru 20 miles, on the Chandra river left bank (opposite the site of old Koksar) on the road to Spiti.

From the Duff bridge over the Beas at 355 miles, there is a track north-eastwards up the Parbati valley to Chang 7 miles, Jherri F. B. 15 miles, Manikarn B. 5,587 feet 23 miles, where there are hot springs, Phulga F. B. 31 miles, and to another hot spring at 34 miles.

This nala is preserved and the hot springs are much resorted to.

There is another route from Manglaor 379 miles by Rampur, and Kotgurh to Nagkunda, which is passable for laden animals as far as the Sutlej rope bridge at Rampur, where join Hindustan and Thibet road.

36	Manglaor <i>B. E.—</i>	...	379	...	Gradual ascent through cultivation and forest.	Up eastern Chata valley.	Chata bridge	.....	S. F. G. W. and T. moderate.	Small village.	
	<i>Plach</i>	...	381	...	.....	.....	.....	5718	.....	Large village, tehsil and police thana.
	<i>P. O.</i>	...	382	...	.....	.....	Chata bridge.			
37	Tung or Bathad <i>B.—</i>	12	...	391	...	Sharp rise and over undulating grass plain to pass, the descent very steep in zig-zags, to the fine level and grassy plateau of Surone.	.....	.....	S. and T. nil, G. F. W. procurable.	Hamlet.
				397	...		Dhol pass down Kurpan valley.	.....			
38	Suron <i>B.—</i>	...	9	...	400	...	.....	6000	S. and T. moderate, F. G. W. procurable.	Village in Seoraj.
				404	...		.....		
							Kurpan bridge.					
39	Ursua	...	9	...	409	...	Gentle rise, pass through forests and sharp descent down steep hill by zig-zags to Rampur rope bridge.	Road leaves valley and crosses Dhaor spur into Sotlej valley.	Ditto	...	Ditto.
	<i>Jagatkhana B.</i>	414	...						
40	Rampur <i>P. O., D. B., C., E.—</i>	...	7	...	416	...	Down Sotlej valley left bank to Kotguruh.	Sotlej bridge.	3700	S. F. G. W. and T. plentiful.	Capital of Bisahir, residence of Raja. Town and bazar.	
				422	...	Good road down valley.	Nogri	„	3462		
				427	Muchara	„			
41	Nirit <i>B.—</i>	...	13	...	429	3600	S. and T. scanty, F. G. W. procurable.	Small village on left bank of Sotlej river.	
				431	Berakhad	„	3400		
42	Kotguruh <i>P. O., D. B.—</i>	...	10	...	439	...	Continuous ascent up a spur of Hatu Pir mountain to Nagkunda, good road.	{5600}	S. G. F. W. and T. procurable.	Village, Mission, tehsil, and thana.
				441	{7215}	Bareri, tea garden.

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		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LV	<i>ROUTE—contd.</i>	441	...						
43	Nagkunda	...	10	...	449	8700	S. G. F. and T. moderate, W. scarce.	Small bazar.
	<i>D. B.—</i>										
	<i>Murari</i>	...	...	...	454	4					
43	Mattiaana	...	11	...	460	...	.....	.....	7690	S. scanty, F. G. W. and T. available.	Village.
	<i>D. B.—</i>										
44	Theog	...	11	2	472	...	.....	.....	7420	S. F. G. T. procurable, W. scanty.	Hamlet.
	<i>D. B.—</i>										
45	Phagu	...	5	6	477	...	Roads to Masuri and Chor peak branch off here.	.....	8170	S. F. G. W. and T. moderate.	Ditto.
	<i>D. B.—</i>										
	<i>Mahasu</i>	...	...	...	481	...	.....	.....	8328	.....	Bazar.
					483	...	Descent to Simla.				
					486	...	Road to Mashobra	.....	.....	.....	Toll bar.
	<i>Sanjoli</i>	...	...	...	487	...	.....	Tunnel 500 ft.	.....	.....	Bazar.
46	Simla	...	12	...	489	...	Carriage road made and bridged throughout, Tonga service to Kalka.	This road follows generally the watershed spur, which separates the drainage of	7200	S. F. G. W. and T. abundant.	Summer capital of India, sanitarium, town, large bazar. Palace of His Excellency the Viceroy and Governor-General of India.
	<i>P. O., T. O., Hotels C.</i>										

47	Kiari Ghat <i>D. B.—</i>	...	16	...	505	...	.....	the Sutlej from that of the Giri river.	.....	5427	S. and T. nil, F. G. W. moderate.	Three shops.
	<i>Kanda ghat</i>	...			510	4	Road branches east- wards to Chail, palace of H. H. Maharaja of Pa- tiala.	.....	.....	4650.		
48	Solon <i>P. O., T. O., D. B., C. E. small.</i>	...	15	...	520	...	.....	.....	.....	5000	S. F. G. W. and T. available.	Village and bazar small cantonment and brewery.
	<i>Baro ghat</i>	...			525	...	.....	.....	.....	5868		
					530	...	Cart-road $2\frac{1}{2}$ miles to Dugshai can- tonment.					
49	Dharampur <i>D. B., E. very small.</i>	...	12	...	532	...	Cart-road branches to Sunawar Lawrence Asy- lum and Kasauli 7 miles.	.....	.....	4900	S. F. G. W. and T. procurable.	Toll bar.
					540	...	Great landslip 7 miles from Kalka.					
50	Kalka <i>P. O., T. O. Hotel, C. E.—</i>	...	15	...	547	...	.....	.....	.....	2200	S. F. G. W. and T. plentiful.	Large village and terminus of branch railway from Delhi and Umballa.

From Nogri bridge 422 miles there is a road up to Bahli B. 427 miles on the Hindustan and Thibet road, and along latter by Sungri B 8,400 feet 439 miles, at the head of the Pabar valley, Kudrala F. B. 9,400 feet, 449 miles, Bagi D. B. 8,600 feet 457 miles, at the head of the Giri valley, through forest to Nagkunda D. B. 8,700 feet 469 miles.

At 521 miles there is a road good for riding to Subathu cantonment 529 miles. Another bridle road also branches off from 532 miles to Subathu 542 miles.

Umballa is 39 miles distant from Kalka by rail.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

LVa SIMLA to KALKA by OLD ROAD—

46	Simla ... <i>Batori ghat</i> ..		489 ... 493 ...	..... Road to Jutogh and Bilaspur 38½ miles.	.....	.....	7200	S. F. G. W. and T. abundant.	Summer capital of India and sanitarium, town and large bazar.
47	Sairi ... <i>Hotel, E. very small</i> <i>Haripur</i> ...	13 ...	502 ... 507 ... 508 ...	Good bridle road the whole way from Simla to Kalka. .....	.....	..... Blini bridge. Gumber „	4950 2717	S. F. G. W. and T. procurable.	Small bazar.
48	Kakar hatti ... <i>Hotel, E. small</i> <i>Subathu</i> ... <i>P. O.—</i>	7 ...	509 ... 511 ... 515 ...	..... ..... Cart road to Dharampur 10 miles.	..... .....	..... Kuthar nala	3600 4250 3500	Ditto ...	Small village.
49	Kasauli ... <i>P. O., D. B. hotel—</i>	13 ...	522 ...	Ditto and bridle road to Sunawar Lawrence Asylum 3 miles.	.....	.....	6300	S. F. G. W. and T. plentiful.	Convalescent depot and small civil station, bazar.
50	Kalka ... <i>P. O., T. O., D. B. hotel, C. E.—</i>	9 ...	531 ...	.....	.....	.....	2200	Ditto ...	Bazar and thana. Terminus of branch railway from Delhi and Umballa.

LVb SOLON to HARDWAR by NAHAN in SIRMUR and DEHRA—

48	Solon	...	...	...	520	...	Footpath down hill	Descent down flank of hill	.....	5000	S. F. G. W. and T. available.	Small cantonment and bazar.
	<i>Teleri</i>	...	...	...	527	...	At Telcri ghat, join the bridle road from Dugshai 4 miles distant.	to Teleri nala, then rise up the Naini spur and along flank of mountain ridge to Charani ghat, hence keep along top of ridge to Baneti, descend down flank of hill to Banog and rise up to Nahan.	Teleri ford	4000		
	<i>Sundana ghat</i>	...	...	...	529	...			.....	4600		
49	Naini bazar <i>B.—</i>	...	10	...	530	...	.....		.....	4900	S. F. G. W. and T. moderate.	Two shops.
	<i>Charani ghat</i>	...	...	...	534	...	Good 10 feet road of easy gradient made and bridged throughout.		.....	5600		
50	Surahan <i>B.—</i>	...	12	2	542	2	There is very little space anywhere for pitching tents, and water in summer is very scanty.		.....	5250	S. F. G. W. and T. procurable.	Village, shops and tehsil.
51	Baneti <i>B.—</i> <i>Banog</i>	...	14	3	556	5	.....		.....	4400	Ditto	One shop.
		...	...	...	568	...			.....	2500		
52	Nahan <i>P. O., T. O., D. B., C.</i>	...	12	3	569	...	Rough cart-road unbridged from Nahan down to Khadir-ke Bagh and up the Markunda valley to Kolar; thence through the Kyarda Dun to the Jumna river.	Up Markunda valley.	.....	3000	S. F. G. W. and T. ample.	Town and residence of Raja of Sirmur. Military Cantonment, large bazar, iron workshop.
	<i>Khadir-ke Bagh</i>	...	...	...	573	4		.....	Cross Markunda fords several times.	1450		
	<i>Kolar</i>	...	...	...	581	...		Down Bhatta valley.				
53	Majra <i>B., E.—</i>	...	20	...	589	...		.....	} Cross Bhatta ford twice.	.....	S. F. G. W. and T. available.	Bazar and thana. Ditto.
		...	...	...	591	...		.....		
		...	...	...	593	...		.....		
	<i>Ponta</i>	...	...	...	596	...		.....		
		599	Across Jumna valley.	Jumna ferry	1250		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LVb	<i>ROUTE—contd.</i>	...	...				
54	Rampur Mundi <i>B., E.—</i>	12	...	Earthen cart-road unbridged to Jhajra, whence bridged and metalled to Dehra.	Across drainage of Himalayas into Asun river.	.....	1334	S. F. G. W. and T. procurable.	Village.
	<i>Futtehpur B.—</i>	...	604	.....	.....	Sitlharao.	1433	.....	Cross Chakrata and Tinoli pass road.
55	Sahanspur <i>P. O., B., E.—</i>	9	610	.....	.....	.....	1621	Ditto	Village and thana.
	<i>Jhajra</i>	...	613	.....	.....	Suarnarao.			
56	Dehra <i>P. O., T. O., Hotel, C., E.—</i>	17	627	Rough earthen cart-road, unbridged from Dehra to Hardwar.	..... Across drainage of Himalayas into Suswa river.	Tons bridge.	2229	S. G. F. W. and T. abundant.	Military Cantonment, Civil station, town and bazar.
57	Lachiwala <i>E.—</i>	10	637	.....	.....	Rispanarao.	1680	S. G. F. scarce, T. nil, W. plentiful.	Small village on right bank Song river.
58	Kunsrao <i>C., E.—</i>	8	645	.....	.....	Suswa river.	1360	Ditto	Small village on right bank Suswa river.
	<i>Raiswala</i>	...	652	.....	.....	.....	.....	.....	On right bank Gauges, good fishing.
		...	654	.....	.....	Motichur nala. .....	.....	.....

50	Hardwar <i>P. O., T. O., D. B., C., E.—</i>	...	12	...	657	6	1050	S. G. F. W. and T. abundant.	Small town and bazar; celebrated bathing ghat on Ganges River.
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From Rampur 416 miles, a road goes southwards by Balli, B., Sungri, B., where it crosses the high range dividing the Sutlej and Tonse valleys, Roru on the Pabar river and down this valley, along the right bank, by Raiengarh, Shalna or Arakot and Baig or Tuni bridge F. B., below the junction of the Pabar and Tonse rivers at miles 227 of Route XIX between Simla and Masuri.

From Simla 489 miles, there is a rough path down the Giri valley frequented by fishermen, by Dogra, 4,300 feet (under Junga 5,300 feet, capital of Kuenthal State) 8 miles, Kharganu 3,100 feet 22 miles, Newar 33 miles, Secon 42½ miles, Satibagh 52½ miles near Ranka Lake, Konilla 60½ miles, Sattawan 69½ miles, Raighat 80½ miles, at junction of the Giri and Jumna rivers, Jumna ferry 82½ miles; Kharganu is about 10 miles below Solon, and Satibagh 18 miles from Nahau.

From Kolar a road branches southwards over the Baila Pass of the Sivalik Range to Bilaspur 20 miles, and Jagadhri railway station 15 miles; total 35 miles.

From Nahau there is a cart-road down the hill to Kala Amb 11 miles, whence there are cart-roads to Umballa 30 miles and to Sadhaura 8 miles.

From Sadhaura there are two cart-roads to the N. W. Railway, at Barara 16 miles, and at Jagadhri 18 miles.

LVI SRINAGAR to SIMLA and UMBALLA by CHAMBA and KANGRA—

	Srinagar <i>Pampur</i>	...	...	0	...	By road or by boat up the river Jhe- lum to Kanabul 50 miles by water.	Up Jhelum valley right bank.	.....	5235	S. F. G. W. and T. abundant.	Capital of Kashmir, Hari Parbat fort. Large city and bazar.
1	Awantipur <i>E.— Bij Behara Kanabul, B.</i>	...	18	...	18	.....	.....	.....	5300	S. and T. nil, F. G. W. plentiful.	Two ancient tem- ples in ruins.
	Islamabad <i>P. O., T. O., C., E.—</i>	...	17	...	35	Good road passable for laden animals.	Left bank Right bank	Jhelum bridge, Ditto	5400	.....	Terminus river navigation.
		...	...	...	33	.....	.....	.....	5450	S. F. G. W. and T. plentiful.	Large town, bazar and head-quarters of zillah.

Hence there are two routes to Budrawar, one by the Marbul pass and Kishtwar, see Route LV, marches 2 to 8, and Route XVII, marches 12 to 8, the other as under:—
Travellers in Budrawar are advised to apply for a purwanah for supplies and transport to Raja Sir Amar Singh, K.C.S.I., at Jammu.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LVI	<i>ROUTE—contd.</i> ...	...	...	35	..						
3	Verinag ... <i>P. O., T. O., B., E.—</i>	16	2	51	2	.....	Up Sandrin valley.	Bringh bridge Sandrin ,,	6000	S. F. G. W. plentiful, T. available.	Large village and tehsil. Copious spring and ruins.
4	Chaon ...	10	...	57 61 69	2 2 2	.....	.....	Ditto.	.....	Ditto	Customs post.
5	Camp — <i>Southern foot of pass.</i>	13	...	74	2	Steep ascent and descent.	Braribal pass. Down Linder Khol valley.	.....	...	S. and T. nil, F. G. W. plentiful.	Halting place.
6	Gayi ...	7	...	81	2	Rough and stony road.	.....	.....	.....	S. F. G. W. and T. available.	Small village.
7	Bhagwan ...	9	..	90 94	2 ...	.....	.....	.. ..	.. ..	Ditto	Ditto.
8	Doda ...	7	...	97	2	Good road passable for laden animals.	Across Chenab valley.	Chandra Bha-ga or Chenab rope bridge.	.....	S. F. G. W. and T. plentiful.	Large village and thana.
9	Kalen ...	10	...	107	2	.....	Up Neroo valley left bank.	.....	.. ..	S. F. G. W. and T. available.	Small village.
10	Budrawar ...	11	..	118	2	Fair road passable for laden animals.	.....	.....	5427	S. F. G. W. and T. ample.	Capital of Budra-war, Jaghir of Raja Sir Amar Singh, K.C.S.I.
11	Thenala ...	8	...	126	2	Long ascent to pass and steep descent	.....	.....	.....	S. and T. nil, F. G. W. plentiful.	Iron mines.

12	Langera — <i>Encamp on roof of huts.</i>	14	6	128	...	down stony bed of stream.	Padri pass down Kandi Mari valley. Down Shoon valley.	....	9000	.....	Border of Kashmir and Chamba.
13	Bhandal Digi	12	...	153	...	.....	.....	.....	5982	Ditto	Hamlet.
14	Manjiri B.—	14	...	167	...	Road hilly and stony.	Across Sachin valley.	.....	.....	Ditto	Ditto.
15	Chamba P. O., T. O., D. B., C., E.—	16	...	168 183	...	Rough and stony road.	..... .....	Sachi bridge. Ravi "	3000	S. F. G. W. and T. abundant	Capital of Chamba, residence of Raja. Large town and bazar.

From Chamba, a route goes northwards over the Sachi pass and across the Chandra Bagha river to Kilar in Paugi at miles 175½ of Route LV; the marches from Chamba are, to Masrund 12 miles, Kahl 9 miles, Tisa 12 miles, Alwas 12 miles, crossing Sachi pass and Chandra Bhaga river to Kilar 24 miles—Total 69 miles.

From Tisa a path branches eastwards over the Chaimi pass and Chandra Bhaga river to Sauch at miles 184 of Route LV.
From Chamba are two paths north-eastwards by Chanju over the Chara and Drali passes to Tindi on the Chandra Bhaga river at mile 213 of Route LV; also a third path over the Kalichu pass to Triloknath, and a fourth path over the Chobia pass and Chandra Bhaga river to Bamankoti at mile 243 of Route LV.

From Chamba, there are two routes eastwards up the valley of the Ravi and over the Kukti and Bara Baghal passes and across the Chandra Bhaga river to Tandi in Lahoul, *see* Route XVIII, marches 11 to 19.

From Chamba to Dalhousie 6,744 feet are two roads, the Upper to Klajjar 7 miles, where there is a Dak Bungalow 6,000 feet at the end of a level and grass valley surrounded by fine deodars, and thence to Dalhousie 10½ miles—Total 17½ miles. The lower road is longer but more level, to Chil, B., 9 miles, and to Dalhousie 12 miles—Total 21 miles. Through transport necessary.

From Chamba to Puthankot, there are three roads, one down the Kavi valley to Batri 14½ miles, Sindliara 12½ miles, Phandgota 10 miles, Shahpur 11½ miles, Puthankot 8 miles—Total 56½ miles. The second through Dalhousie 17½ miles, Nynee Khud 13 miles, Daneira 10 miles, Dhar 11 miles, Shahpur 12 miles, Puthankot 8 miles—Total 64½ miles. The third through Chnari 17½ miles, Nurpur 16 miles, Puthankot 16 miles—Total 49½ miles.

From Chamba to Dharmasala 6,111 feet in Kangra are two routes, one eastwards by Kanarsi 9 miles, crossing Andrar pass 14,100 feet over the Dhaoli Dhar south-eastwards by Koti 4 miles, Chanota 8 miles; hence southwards by Kanarsi 9 miles, crossing Andrar pass 14,100 feet over the Dhaoli Dhar range to Dharmasala D. B., 6,111 feet 11 miles, and Kangra 2,400 feet 10½ miles—Total 64½ miles. The second route from Chamba south-eastwards by Rareri 6 miles, crossing pass with steep descent of 5 miles to Chnari 12 miles, Rapir 7 miles, Sihunta 9 miles, Rihloo 12 miles 3,184 feet; hence either to Dharmasala 11 miles—Total 57 miles, or by Chytroo to Kangra 13 miles—Total 59 miles. This is a rough and bad road for ponies.

NUMER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE <i>m. f.</i>	TOTAL. <i>m. f.</i>								
LVI	<i>ROUTE—contd.</i> ...	16	...	183	...						
16	Rareri ...	6	...	189	...	.....	.....	.....	S. F. G. W. and T. procurable.	Village.	
	<i>Mankot</i> ...	...	...	193	...	Steep descent from pass for 5 miles.	Mankot gully.				
17	Chuari ...	12	...	201	...	.....	.....	.....	Ditto	Customs post.	
	<i>Jajri</i> ...	...	...	207	...	.. ...	.....	Chukki ford.			
18	Nurpur ...	16	...	217	...	Join cart-road from Puthankot up the Kangra valley to Palampur 71 miles, bridged throughout with the exception of 7 causeways over	Across drainage of Himalayas, Dhaoli Dhar range, falling southwards into Beas river.	.....	2000	S. F. G. W. and T. ample.	Ancient fort and town, large bazar and tehsil.
	<i>P. O., D. B., C., E.—</i>										Cultivated plateau.
	<i>Jonteh</i> ...	...	...	226	...			.....	2200	.....
19	Kotla ...	13	...	230	...	rao crossings and partially metall-		Dehri bridge wooden arch 200ft. span.	1700	S. F. G. W. and T. available.	Large village and thana.
	<i>P. O., D. B., E.—</i>					ed.		.....	2740	.....	Tea gardens.
	<i>Mundigram</i> ...	...	...	239	...		.....	.....
20	Shahpur ...	10	5	240	5		.....	.....	2500	Ditto	Bazar and plateau.
	<i>P. O., D. B., E.—</i>										
				244	2	.....	.....	Chumbi bridge.	2230	.....	Road branches to Dharmsala.
				247	...	.....	.....	Guj bridge	2400		

21	Gurkhari , 2½ miles south to Kangra and 8 miles north to Dharm-sala by cart-road.	10	4	248	4	.....	.....	Maji "	2450	S. F. G. W. and T. plentiful at Kangra and Dharmsala.	Kangra, an ancient fort, large town and bazar, celebrated Devi temple frequented by pilgrims. Dharmsala, convalescent depot, small military cantonment, and civil station, town. Bazar.
22	Nugroteh	7	...	258	...	.....	.....	.....	2850	S. F. G. W. and T. available.	Several tea gardens on Patthar range.
	<i>Matan bazar</i>	...	...	261	...	.....	.....	.....	3000	.....
23	Palampur <i>P. O., D. B., C., E.—</i>	14	...	272	...	.....	.....	Nugul bridge	3070		
						Cart-road under construction from Palampur to Mandi.					
24	Baijnath <i>D. B., C., E.—</i>	9	4	281	4	.....	.....	.....	4050	S. F. G. W. and T. plentiful.	Large bazar and centre of Tea gardens.
25	Dhelu in Mandi ... <i>B., E.—</i> <i>Guma</i>	12	...	293	4	.....	Across head of Rana drainage.	Binnu bridge	3300	S. F. G. W. and T. procurable after notice	Hindu ancient temples, place of pilgrimage, cluster of villages. Village.
						Cart-road southwards from Guma to Mandi and bridle road eastwards from Guma to Kulu. ....		.....	.....	S. F. G. W. and T. available.	Salt mines.
26	Hurla in Mandi ... <i>B.—</i>	13	...	306	4	.....	Down Rana valley keeping along ridge of spur separating the Rana and Ool valleys.	.....	5100	.....	Village.
27	Drung in Mandi <i>B., E.—</i>	12	...	318	4	.....		.....	4740	Ditto	
								.....	3500	Ditto	Salt mines.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.		
		INTER-MEDIATE.	TOTAL.								
		m.	f.								
LVI	<i>ROUTE—contd.</i>	...	318	4							
28	Mandi <i>P. O., D. B., C., E.—</i>	11	4	330	...	Good road passable for laden animals.	Up Sukaty valley.	Beas bridge, iron suspension 240 feet span.	2991	S. F. G. W. and T. abundant.	Capital of Mandi State, residence of Raja. Large town and bazar.
<p>From Dharmasala there is an upper brittle road bridged throughout, 11 miles to Dudh D. B., 3,500 feet and 10 miles to Palampur D. B., passing by the Kuniara Slate quarries at 3½ miles from Dharmasala. It is dotted with tea gardens</p> <p>From Kangra there is a road by Ranital, Juala Mukhi 1,883 feet, Nadaon, where cross Beas river to Belaspur and Simla, which is described in Route XIX, marches 11 to 21.</p> <p>From Palampur 272 miles there is a track northwards over the Dhaoli Dhar range by Bunooru 3 miles, Klaj pass 14,400 feet 18 miles, to Chanaur 30 miles, on the left bank of the Ravi river in Chamba at mile 166 of Route XVIII between Chamba and the Bara Baghal pass.</p> <p>From Guma 300 miles the Kulu road eastwards continues to Jhatigr B., 6,600 feet, in Mandi 304 miles 4 furlongs, crosses Ool bridge, Badwani B., 6,700 feet, in Mandi 317 miles 2 furlongs, cross Bubu pass 9,480 feet, Kurann B., in Kulu 327 miles 2 furlongs, Sultampur 335 miles 2 furlongs, D. B., 4,043 feet, Tehsil, chief town in Kulu. This route is closed in winter.</p> <p>From Drung 318 miles 4 furlongs, in Mandi another route goes eastwards to Kulu, which is open in winter, by Kataula B., in Mandi 330 miles 4 furlongs, cross Dulchi pass 6,700 feet, 338 miles 4 furlongs, Kandi B., 339 miles 4 furlongs, Bajaora D. B., in Kulu 3,573 feet 348 miles, Sultampur 357 miles.</p> <p>From Bajaora is the Kulu route to Simla by Plach and Kotgarh which is described in Route LV, marches 36 to 46.</p> <p>From Mandi 330 miles eastwards to Kataula is 13 miles.</p>											
29	Suket <i>P. O., E.—</i>	16	...	338	...	Flat and level road	Down Sutlej valley.	Sukaty bridge.	2965	S. F. G. W. and T. plentiful.	Capital of Suket State, or Bened. Town and bazar.

30	Dihar <i>P. O., B.—</i>	...	...	358 364	...	...	Ditto left bank.	Sutlej ferry Ullay bridge.	.. ..	S. F. G. W. available, T. nil.	Large village on right bank Sutlej.
31	Bilaspur <i>P. O., B., E. extensive</i> <i>Nairti</i>	...	11	369 372	...	Road fair passable for laden animals.	.....	..... Gumrola bridge. Gumber bridge.	1600	S. F. G. W. and T. ample.	Capital of Bilaspur or Kahur State, residence of Raja. Large town and bazar.
32	Kundulu	...	16	374 379	...	Stony ascent and descent.	..... Chambarange.	.....	.....	S. F. G. W. and T. procurable.	Village 2 miles from Hindur.
33	Nalagurh <i>P. O., B., L.—</i>	...	14	399	...	(Good road but stony)	..... Chambarange, up Pinjor Dun. Up Sirsa valley in Pinjor Dun.	.....	.....	S. F. G. W. and T. plentiful.	Capital of Hindur State. Town and bazar.
34	Badi <i>B., E. limited—</i> <i>Karanpur</i>	...	12	411	...	Ditto	.....	.....	.....	S. and T. after notice, F. G. W. available.	Small village.
35	Kalka , terminus of branch railway from Umballa. <i>P. O., T. O., Hotel, C., L. conjined and stony.</i>	...	13	418 424	...	Ditto By Railway	.....	.....	2200	S. F. G. W. and T. ample.	Ditto. Large village situated at foot of Himalayas, whence two roads to Simla.
36	Umballa by rail	...	39	463	...	...	.....	.....	.....	.....	.....

From Bilaspur there are two roads eastwards to Simla, of which the southerly one up the Gumrola valley is described in Route XIX, marches 18 to 21, the northerly one runs thus: Bilaspur 369 miles, Namuli B., 381 miles, Erki B., 395 miles, Jutrogh 411 miles, Simla 417 miles.

From Nalagurh is a road westwards to Rupar 1,120 feet and 16 miles, a town on the left bank of the Sutlej river, where it issues from the Himalayan hills, and at the head of the Sirhind Canal. A branch tramway, formerly extended from Nalagurh by Rupar and Machiwarra to Doraha on the N.-W. Railway, to serve for the construction of the head works of the Sirhind Canal and it has since been taken up.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.	m.	f.				

LVI^a BUDRAWAR to JALANDHAR and AMRITSAR by PUTHANKOT—

10	Budrawar ...	...	...	118	2	Fair road passable for laden animals runs almost due south to Puthankot and Jalandhar.	Up Halun valley. Chatardhar pass.	.....	5427	S. F. G. W. and T. abundant.	Capital of Budrawar and Jaghir of Raja Sir Amar Singh, K.C.S.I. Large town, bazar and fort.
				132	...			.....	10100		
11	Camp at 'southern foot of pass.	14	6	133	...	.....	Down Jabar valley left bank.	.....	.....	S. and T. nil, F. G. W. plentiful.	Halting place.
12	Loang ...	15	...	148	..	.....	Down Siowa valley.	.....	.....	S. F. G. W. and T. procurable.	Small village.
13	Hartli <i>Oojon</i> ...	...	8	...	156	...	.....	.....	.....	S. F. G. W. and T. available.	Village.
		...	...	...	158	...	.....	.....	.....
		160	Banjil pass over Ramruchun or Chara ridge.	Siowa bridge.		
14	Pood ...	14	...	170	...	.....	Down Chil valley.	.....	.....	Ditto	Ditto.
15	Basaoli <i>P. O., C., E.—</i>	13	...	183	...	.....	Down Ravi valley right bank.	.....	2170	S. F. G. W. and T. plentiful.	Town, fort and bazar on right bank of Ravi river.

16	Thain ...	12	...	195	...	.....	Cross to left bank.	Ravi ferry	.....	Ditto	Village and fort.
17	Madhopur ... <i>P. O., D. B., E.—</i>	15	...	210	...	Cart-road hence to Puthankot.	.....	.....	1137	Ditto	Bazar and cana workshop.
18	Puthankot ... <i>P. O., T. O., Hotel, C., E.—</i>	10	...	220	...	.....	.....	... ..	950	Ditto	Town and bazar. Terminus of branch railway.

Hence there is a branch railway by Gurdaspur 23 miles and Batala 43 miles, to Amritsar 67 miles in length.

From Puthankot there are two routes to Jalandhar, one direct by Mokerian and the other through Kangra and Hoshiarpur.

19	Mirthal ...	12	...	222	...	.....	.....	Chukki ford. Beas ferry	.....	S. F. G. W. and T. procurable after notice	Small village on right bank Beas
20	Mokerian ... <i>P. O., B., E. good—</i>	12	...	232	...	Earthen unbridged road, stony in places, crossing many ravines.	Down Beas valley.	.....	915	S. F. G. and T. available, W. plentiful.	Small town and fort.
21	Dasoha ... <i>P. O., C., E. good—</i>	9	...	254	...	Good road from Dasoha to Jalandhar.	.....	.....	.....	Ditto	Village.
22	Tanda ... <i>P. O., D. B., E. good</i>	10	6	264	6	.....	.....	.....	.....	Ditto	Ditto.
				272	2	.....	.....	Veyn bridge	.....	
				275	6	.....	.....	Ditto.	.....	
23	Kala Bakru ... <i>E. good—</i>	13	...	277	6	.....	.....	.....	.....	S. F. G. W. and T. procurable after notice	Small village.
24	Jalandhar ... <i>P. O., T. O., D. B., C., E.—</i>	14	...	291	6	.....	.....	.....	778	S. F. G. W. and T. abundant.	Station N.-W. Railway, civil station and military cantonment. Headquarters of Commissioner. Large city and bazar.

Number of Marches.	Names of Stages.	Distance in Miles and Furlongs.		Nature of Route.	Main Valleys and Mountain Passes.	River Crossings and Lakes.	Altitude Above Sea Level in Feet.	Supplies and Transport at Stages.	Remarks.
		Inter-mediate.	Total.						
		m.	f.						
18	Puthankot <i>P. O., T. O., Hotel, C., E.—</i>	...	220	...	Across drainage of Himlayan range, Dhaoli Dhar, which falls southwards into the Beas river.	...	950	S. F. G. W. and T. plentiful.	Terminus of branch railway, town and bazar.
19	Lyal Viaduct <i>E.— Banda Bodki</i>	7	227	...	Cart-road bridged throughout with exception of 7 causeways between the Lyall Viaduct and Kotla. It is partially metalled, and the soil being gravelly, tongas and ekkas can travel at a good speed. Ground undulating throughout.	Bridge over Chukki river, 28 spans of 40 ft. stone arches.	1300	S. and T. nil, G. F. W. plentiful.	Halting place.
20	Noorpur <i>P. O., D. B., C., E.— Jonteh</i>	9	236	...	...	...	2050	S. F. G. W. and T. ample.	Shops. Ancient fort, tehsil, large town and bazar.
21	Kotla <i>P. O., D. B., E.— Parhi Mandigram</i>	13	249	...	...	Dehri bridge wooden arch 200 ft. span.	2200	S. F. G. W. and T. available.	Large village and thana.
22	Shahpur <i>P. O., D. B., E.— Nerti</i>	10	259	...	...	...	2740	...	Shops. Tea gardens.
		5	260	...	...	Koti bridge.	2500	Ditto	Bazar and plateau.
		...	263	...	...	Chambi "	2230	...	Road branches to Dharmasala.

The other-route by Kangra and Hoshiarpur is as under :—

				266	...	.....	.....	Guj	..	2390		
				267	4	.....	.....	Maji	..	2450		
	<i>Gurkhari</i>	...	...	270	1	.....	.....	Mamuni		2450	.....	Cart-road to Palanpur.
23	Kangra	...	13	3	273	...	Hence	.....	.....	2400	S. F. G. W. and T.	Ancient fort on
	<i>P. O., D. B., E.—</i>					...	bridle road	.....	.....		plentiful.	high rock above
						...	passable for laden	.....	Bangunga			Bangunga. Cele-
						...	animals to Hoshi-	.....	bridge.			brated Devi tem-
						...	arpur.	.....				ple in Bhawani.
	<i>Daulatpur</i>	...	...	278	4	.....	.....	.....		£100	.....	Large bazar.
				282	4	.....	.....	Ditto.				
24	Ranital	...	11	...	284	...	.....	.....	.....	2000	S. F. G. W. procurable,	Small village, cross-
	<i>B., E.—</i>					...	.....	Bhagrot			T. nil.	es road from Hur-
						...	.....	saddle.				ripur to Juala
						...	.....	.....				Mukhi.
25	Gopipur Dehra	...	13	...	297	...	.....	Across Beas	Beas bridge	1400	S. F. G. W. and T.	Town, bazar, tehsil
	<i>P. O., D. B., E.—</i>					...	.....	valley.	of boats or		available.	and schools.
						...	.....	.....	ferry in rains.			
						...	.....	.....	Gopipur Rao.			
26	Bharwain	...	11	4	308	4	Crosses wide raos	Summit of	.....	3000	Ditto after notice,	Small village.
	<i>D. B.—</i>					4	in Jeswunt Doon,	Siwalik range.	.....		W. scanty.	
	<i>Kinno</i>	...	...	...	311	4	which are very	.....	.....	2400		
						4	sandy and heavy.	.....	Sohan ford	.....	.....	Road 3 miles east
						4	.....	.....				to Umb.
27	Gagret	...	13	...	321	4	.....	.....	.....	.....	Ditto	Hamlet.
	<i>B., E.—</i>				324	4	.....	Nain pass.	.....		
						4	.....	.....	.....
28	Manguwal	...	7	...	328	4	.....	Southern base	.....	.....	S. and T nil,	Halting stage.
	<i>B., E.—</i>					4	.....	of Siwalik hills	.....		F. G. W. procurable.	
						...	.....	...	Maskara Rao.			
									

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE. ...	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LVIa	<i>ROUTE—contd.</i> ...	...	...	331	...						
29	Hoshiarpur ... <i>P. O., D. B., C., E.</i> <i>confined—</i>	8	4	337	...	Hence - cart road bridged and metalled to Jalandhar, where dak gharis procurable.	.....	Chooa Rao	1055	S. F. G. W. and T. ample.	Small civil station, town and bazar.
30	Adampur ...	14	...	351	...	.....	.....		880	Ditto after notice	Small village.
	<i>Nasrala</i> ...	...	...	358	4	... ..	.....	Nasrala Rao.			
31	Jalandhar ... <i>P. O., T. O., D. B., C., E.—</i>	11	...	362	...	.....	.....	... ..	778	S. F. G. W. and T. abundant.	Station on N.-W. railway, civil station and military cantonment. Large city and bazars. Head-quarters of Commissioner of Jalandhar.

From Hoshiarpur there is a good road eastwards to Maudi thus :—

Hoshiarpur D. B., 1,055 feet, across Panda Gala of outer Siwalik range 14 miles, across Sohan river in the Jeswant Dun to Oonuli B., 1,329 feet 26 miles, across two ranges of the inner Siwalik hills 29 to 39 miles, to Barsar B., 42 miles, across Jaroli pass of Hanirpur range 52 miles, to Aghar B., 54 miles, across Ludrar pass of another range 60 miles, across Sher Khud river 68 miles, to Panla B., 3,308 feet, in Mandi 70 miles, across another range 76 miles, to Galma B. 3,004 feet 82 miles, and down Sukaty valley to Maudi D. B., 3,000 feet 95 miles.

LVII GILGIT to SRINAGAR—See *Route XLVI*. Srinagar to Chilas by Kamakduri pass, 15,008 feet.
XLVII. Srinagar to Astor by Shontar pass, 15,052 feet.
XLVIII. Srinagar to Gilgit by Burzil Dorikun pass, 13,900 feet.

LVIII GILGIT to SRINAGAR by SKARDU—*Old Route, Map.*

	Gilgit or Gilit 0 ...	Road fair, mostly over maidan, fit for pony traffic in winter. Closed in summer owing to want of bridges.	Down Gilgit valley left bank.	Gilgit river	4890	S. F. G. and T. moderate, W. plentiful.	Military Cantonment, town and bazar.
	<i>Dainyor</i> 4 4			Hunza "	.....	.....	Residence of Political Agent, headquarters of province.
	<i>Ushkhan</i> 12 ...		.....	Bagrot "	.....	.....
1	Chamogah ... 17 ... 17 ...	Three bad parrs or cliffs in this march.	.....	Batakor nala	.....	S. and T. nil, G. F. W. available.	
				
2	Boogun ... 14 ... 31 ...	.....	Up Indus valley right bank.	.....	.....	Ditto F. scarce.	Junction of Gilgit and Indus rivers.
	<i>Shuta</i> 33 4	Very rough road, 3 bad cliffs to cross impassable for ponies.	The river flows through a succession of deep gorges with high precipitous cliffs on both sides.	Shuta nala.			
				Hannchal "			
				Khaltar "			
3	Sasil (Haramosh) ... 9 ... 40 ...	Road very bad over rock cliffs, ladders used in several places, one steep ascent and descent.		Dach "	.....	S. and T. scarce, G. F. W. plentiful.	Jhula bridge over Indus river 260ft. span.
	<i>Shabtot</i> 43 ...			Shabtot "			
4	Borongdoi ... 8 ... 48 ...	Hard work, steep ascent and descent of 4,000 and 5,000 feet.	.....	Borongdoi "	.....	S. and T. nil, G. F. scarce, W. available.	
			Shingos spur of Haramosh south peak.	.....	10500.		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE		TOTAL.							
		m.	f.	m.	f.						
LVIII	<i>ROUTE—contd.</i>	...	...	53	...					
5	Shingos	...	11	...	59	...	.....	Gorosil nala	.....	S. and T. very scanty, G. F. W. plentiful.
	<i>Bulchu E.—</i>	...			68	...	.. ...	.....	.....	S. and T. very scanty.
6	Shutroon	...	13	...	72	...	.....	.....	.....	S. and T. nil, F. G. W. available.
7	Stak	...	6	...	78	...	.....	Stak bridge	.....	S. F. G. W. and T. plentiful.
	<i>E.—</i>	...									

Between Gilgit and Stak there are no supplies and no transport, grass and wood fuel are scarce. From Stak there is a loop route N. E. up the Stak valley, passing several small villages to Kurchung 86 miles, over Stak La 98 miles, crossing a small glacier, and S. E. down the Tormik valley by Dunsah 104 miles, Hurimul 113 miles, Kashipa or Buzgan 116 miles, to Dusu 120 miles, on right bank of the Indus river.

From Hurimul a path goes westwards over the Ganto La 15,110 feet 119 miles, and down the Boltoro Loomba to Chutrun hot springs 116 mile, on the right bank of the Basha river.

From Buzgan 3 miles below Hurimul, in the Tormik valley, another path westwards crosses the Munbluk pass and goes down the southern slope of the Bokdar spur to the junction of the Basha and Braldu rivers 8,227 feet, which united form the Shigar river.

The regular route down the Indus valley on right bank continues from Stak as under :

8	Steriko	...	10	...	88	...	Better road fit for riding ponies, though cliff crossings prevent use of laden ponies.	Up Indus valley right bank.	.....	.....	S. F. G. W. and T. plentiful.	Village.
	<i>E.—</i>	...										

9	Twar <i>E.—</i>	...	...	94	..	Road good with exception of 3 cliffs.	.....	.....	Ditto	Large village— Jhula 110 ft. span over Indus to Rondu (Mendi) on left bank. Village at mouth of Tormik valley.
10	Dusu <i>E.—</i> <i>Buicha</i>	...	10	104 106 108	4	Road fair ..... .....	..... Cross spur.	Tormik bridge. Hontara "	S. and T. scarce, F. G. W. plentiful.	
11	Tungus	...	9	113	..	Ditto	.....	Tungus nala	S. F. T. scarce, G. W. plentiful.	Hamlet.
12	Tsarri	...	10	123	..	Ditto	.....	.....	S. and T. scarce, F. G. W. plentiful.	Ditto.
13	Komra <i>E.—</i> <i>Khergron</i>	...	9	132 138	.. ..	Road good and level over wide sandy plain.	Indus valley widens out, .....	..... Kuardo nala.	S. F. G. W. and T. plentiful.	Large village.
14	Skardu <i>F. O., T. O., C., E.—</i>	...	12	144	..	.....	Cross to left bank.	Indus ferry	S. F. G. W. and T. abundant.	Capital of Baltistan. Cluster of villages, fort, tehsil, thana, headquarters of Wazir.

For the road onwards from Skardu to Srinagar, see Routes :

XLIX by Deosai plains and Gurais 156 miles 4 furlongs, open only from July to September inclusive—Total 299½ miles,

L by Dras and Sindh valleys 233 miles, open from June to November inclusive. Total 374 miles.

The route Gilgit to Skardu is open to footmen all the year, except when the rivers are in flood—Travellers had better take all their provisions and supplies through from Gilgit or Skardu, and through transport also, changing a few coolies only on the road.

From Sasil Haramosh, after crossing the Indus rope bridge, there is a difficult path down left bank by Sinjak Brangsa 12 miles, to Bunji 12 miles. Total 24 miles.

From Sapsar on left bank of the Indus opposite Bulchu 68 miles, a path goes southwards over the Lokam pass of the dividing range and descends down the Dicheil nala to the Astor river opposite Dashkin at 163½ miles of Route XLVIII.

From Fulchurh on left bank of the Indus opposite Stak 78 miles, a track ascends the Pimdas nala southwards to Silter which joins the foregoing path at the northern foot of the Lokam pass.

From Rondu (Mendi) on the left bank of the Indus, opposite Twar 94 miles, a track ascends the Tuckchun valley southwards to Chntabar, whence it forks out by two paths over the Trongo Pir and Hurpo Ia of the dividing range, which uniting again in the Parishing valley, continues westwards to Astor, see Route XLVIIIe and foot-note.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

LIX GILGIT to JAMMU by KISHENGUNGA VALLEY and KOTLI, 434 miles—See Route X.

LX GILGIT to RAWUL PINDI by BARAI PASS and MOZUFFERABAD—Map. Weightman.

	Gilgit or Gilit ... <i>P. O., T. O., E.—</i>			0 ...	Made road towards Srinagar as far as Ramghat, bridged and passable throughout for laden animals.	Down Gilgit valley right bank.	.....	4890 } 5025 }	S. F. G. T. moderate, W. plentiful.	Military Cantonment, fort, town, bazar, residence of Political Agent, head-quarters of province.
1	Minawar ... <i>B. E.—</i>	9 ...		9 ...	.....	.....	4000	S. and T. nil, F. W. available, G. scarce.	Small village.	
2	Safed Pari ... <i>B. E.—</i>	10 ...		19 ...	Ascent and descent of easy gradient.	.....	.....	S. F. G. T. nil, W. from river.	Cliff.	
	<i>Pertub pul C.</i> ...	...		29 ...	.. ..	Down Indus valley left bank.	Indus bridge wire rope suspension 339 ft. span.	3850 4631	Ditto S. G. W. and T. moderate, F. scarce.	Serai on left bank Indus. Fort and bazar.
3	Bawanji or Bunji ... <i>P. O., T. O., B E—</i>	17 ...		36 ..	.....	.....	Astor bridge.	3700	.....	Military post.
	<i>Ramghat</i> ...	...		43 4	Hence turn westwards from Sri-	.....	Astor bridge.	3700	.....	Military post.

4	Leechar	...	13	...	49	nagar road down left bank Indus valley. The hill slopes along base of Hatu Pir between Ramghat and Jaliper are exposed to shale slides; 6 feet road recently opened out and bridged to Bagtogah.	.....	Leechar	,,	.....	S. and T. nil, F. G. scarce, W. from river.	Site of great mountain slip from Hatu Pir into Indus in 1841, which blocked the river.	
					51								Raikheot	,,
					52								Phungatori	,,
5	Jaliper	...	14	...	63	road recently opened out and bridged to Bagtogah.	.....	Jaliper	,,	.....	Ditto	Halting place.	
					67								Ganalo	,,
					69								Gonar	,,
6	Bagtogah <i>E.—</i>	...	15	..	78	Turn southwards and ascend Bunar valley by a rough and stony path.	Up Bunar valley.	Bunar	,,	.....	Ditto	Opposite Ges on right bank Indus.		
					86									
7	Bunar <i>E.—</i>	...	12	...	90	.....	.....	.....	.....	.....	S. F. G. W. and T. moderate.	Fort and village.
8	Paloi	...	11	...	101	.....	.....	.....	.....	.....	S. and T. scanty, F. G. W. available.	Hamlet.
9	Bunar Dumel	...	12	...	113	Very rough path on ascent and descent from pass—steep on both sides.	Barai pass down Barai ravine.	S. and T. nil, F. scanty, G. W. available.	North foot of pass.		
					122									}	
					124										
10	Kalan <i>Mori</i>	...	18	...	131	.....	.....	.....	.....	.....	Ditto	South foot of pass.
					137	.....								
11	Dumel Pain <i>E.—</i>	...	12	...	143	Join the Astor and Kishengunga road, passable for laden animals.	Down Kbel valley.	.....	.....	7300	S. and T. nil, F. G. W. plentiful.	Hamlet.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LX	<i>ROUTE—contd.</i> ...	...	...	143	...						
12	Khel <i>E.—</i> ...	8	...	151	...	Between Khel and Shardi, 13 miles of the road are difficult for laden ponies.	Down Kish-engunga valley right bank.	.....	6250	S. and T. scanty, F. G. W. plentiful.	Village.
13	Seri <i>E.—</i> ...	8	...	159	...	.....	.....	.....	6000	S. T. nil, F. G. W. plentiful.	Small village.
				165	..	.....	.....	Kankatori bridge.			
14	Shardi or Kurigam <i>P. O., E.—</i> ...	9	...	168	...	Road chiefly through fields with many ups and downs over spurs.	... ..	Kishengunga bridge. Kurigam "	5850	S. and T. available, F. G. W. plentiful.	Shardi fort on left bank, Kurigam on right bank.
15	Dudnial <i>E.—</i> ...	9	...	177	...	Difficult path over precipitous cliffs.	.....	Kishengunga bridge.	5950	Ditto, T. nil. ...	Hamlet.
	<i>Changa</i> ...	...	...	179	...	.....	.....	Badore "			
16	Doarian <i>E.—</i> ...	7	...	184	...	Road rough and stony, partly through fields, forest and grassy slopes.	.....	.....	5050	S. F. G. W. and T. available.	Small village.
	<i>Tali Lohat</i> ...	...	...	185	...		.....	Seri ,			
		...	...	189	...		.....	Oolari ,			
		...	...	191	...		.....	Babunka Katta bridge.			

17	Karen <i>P. O., E.—</i>	...	8	...	192	...	Road fair and level through forest and fields.	.....	Kishengunga bridge.	4650	S. F. G. W. and T. plentiful.	Karen fort on left bank, large village in Drawar.
	<i>Lalla</i>	...	...	...	198							
18	Shahkot	—	9	..	201	...	Road rough and stony, and crosses several high spurs and the Jagran valley.	... ..	Katta „	4300	S. and T. nil, G. F. W. available.	Small village.
	<i>Salkalla on left bank</i>			...	202	4		.....	Kishengunga bridge.			
	<i>Dooral</i>	...	...	...	205	...		.....	Jagran „	.....	.....	Village.
19	Jora	...	10	...	211	...	Road rough and stony to Jora and thence ascends spur.	.....	.....	.....	Ditto	Ditto.
	<i>Baran</i>	...	...	...	216	...		.....	.....	3700	....	Large village.
20	Chowgali	...	11	...	222	...	Road descends steeply through rocky gorge and along mountain side over spurs.	Chow gali	.....	6000	S. and T. nil, F. G. W. available.	Dok.
21	Balagran <i>E. small—</i>	...	8	...	230	...	Road chiefly through fields.	... ..	.....	.....	S. and T. moderate, F. G. W. available.	Village.
	<i>Jing</i>	...	...	...	234	...	... ..	.....	Urshi bridge			
22	Pala <i>E.—</i>	...	8	...	238	...	Ditto	.....	.....	.....	S. F. G. W. and T. plentiful.	Large village.
	<i>Mundabal</i>	...	...	...	241	..	.....	.....	Pakot „	.....	... ..	Village.
23	Kuri <i>P. O., E.—</i>	...	7	...	245	...	Road rough and stony to about half way, thence through patches of cultivation.	.....	Shalam „	.....	Ditto	Small town.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LX	<i>ROUTE—contd.</i>	...	...	245	...						
24	Mozufferabad ... <i>P. O., C., E.—</i>	9	...	254	..	... ..	.....	Kishengunga bridge.	2470	S. F. G. and W. plentiful, T. moderate.	Town and bazar, fort and headquarters of zillah.
	<i>Dumel</i> ... <i>P. O., T. O., D. B., E.</i>	...	...	255	4	Join cart-road, bridged and metalled from Srinagar to Rawul Pindi; open all the year except when there is heavy snow at Murree in January and February.	Down Jhelum valley left bank.	Jhelum bridge.	2225.		
25	Dulai ... <i>D. B., E. confined—</i>	11	...	265	...	.....	.....	.....	2105	S. F. G. W. procurable, T. after notice.	Hamlet.
26	Kohala (<i>Kashmir border</i>) ... <i>P. O., T. O., D. B., E. small—</i>	12	...	277	...	.....	Cross to right bank.	Jhelum bridge.	1916	Ditto	Small bazar and customs post.
28	Murree (Sunny Bank) ... <i>P. O., T. O., Hotels, C., E.—</i>	27	4	304	4	Road bridged and metalled, regular tonga service.	Kuldanha	.....	6600	S. F. G. T. ample, W. from new supply.	Murree, headquarters of Lieutenant-General Commanding Punjab Army. Civil and Military Sanitarium, town and large bazar.

31	Rawul Pindi ... <i>P. O., T. O., Hotels, D. B., C., E.—</i>	36	6	341	2	1700	S. F. G. W. and T. abundant.	Large Military Cantonment and Civil Station, fort, city, head-quarters of district and division, and station on North- Western Railway.
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For description of route between Kohala and Rawul Pindi see Route XLII, marches 10 to 15.

From Shahkot 201 miles, or Dooral 205 miles, there is a shorter route to Pala by the Sarango or Sirsunga pass, up Jagran valley westwards to Kuttun 209 miles, southwards up ravine over the Sirsunga pass, to Jabbian Dok 217 miles, descending Urshi valley south westwards to Panjoor 226 miles, and to Pala 232 miles.

There are several cross routes over the dividing range between the Kishengunga and Khagan valleys, those chiefly used by traders are :—

From Kurigam or Doarian by Ratti gali to Burawai.

From Tali Lohat up Oolari valley by Jotari pass to Burawai.

From Karen up Babunka katta valley by Nagdera over Chirik gali, across Jagran valley and over Shikara gali to Manur.

From Shahkot or Dooral up the Jagran valley by the Tor gali to Batta kund.

Ditto ditto by the Shikara pass to Manur.

Ditto ditto by the Bichla pass to Manur.

From Mundabal up the Pakot valley by the Bhadri gali to Bhunja.

From Kuri up the Shalam valley by Rajkot and Makra gali to Ghanul.

Ditto ditto by Nur gali to Balakot.

Ditto ditto by Galoti gali to Balakot, well frequented.

From Mozufferabad by Doob gali to Garhi Habibulla, regular road, 10 miles.

Ditto by Lohar gali to ditto ditto 12 miles, well frequented.

LXI GILGIT to HASSAN ABDAL or KALAKE SERAI by KHAGAN VALLEY and ABBOTTABAD—Favre, Anderson.

Between Gilgit and Chilas in a line due south are two high ranges of mountains over 15,000 feet high, with an intervening valley, the Sai or Burbunai (which flows into the Indus at Sai a short distance above Bunji) and beyond the Indus river without bridge or ferry to cross. Difficult paths lead from Gilgit across the first range to Paiot 11,400 feet and Gashu 8,400 feet on the Sai river; thence across the second range from Paiot over the Kinejut pass 14,000 feet down the Hodar valley by Hodar to the Indus, and over Bariben pass down the Khinar valley by Totambai, Dusi to Thalpen on right bank of the Indus opposite Chilas; or from Gashu by the Malpat or Mtere passes, and down the valley of the same name to Ges, on right bank of the Indus, opposite Bunar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

The ordinary road from Gilgit by Bunji to Chilas should be followed as under :--

	Gilgit <i>P. O., T. O., E.—</i>	...	...	0	...	Made road towards Srinagar as far as Ramghat, bridged and passable throughout for laden animals.	Down Gilgit valley right bank.	.....	4890 } 5025 }	S. F. G. T. moderate, W. plentiful.	Military Cantonment, fort, town, bazar, residence of Political Agent, head-quarters of province.
1	Minawar <i>B., E.—</i>	...	9	...	9	.....	...	.....	4000	S. and T. nil, F. W. available, G. scarce.	Small village.
2	Safed Pari <i>B., E.—</i>	...	10	...	19	...	Ascent and descent of easy gradient.	.....	.....	S. F. G. T. nil, W. from river.	Cliff.
	<i>Pertabpul C.</i>	...	...	...	29	.....	Down Indus valley left bank.	Indus bridge steel wire rope.	3850	Ditto	Serai on left bank Indus.
3	Bunji <i>P. O., T. O., B., E.—</i>	...	17	...	36	.....	.....	.....	4631	S. G. W. and T. moderate, F. scarce.	Fort and bazar.
	<i>Ramghat</i>	...	...	...	43	4	Hence turn westwards down Indus valley, left bank to Chilas, 6 feet road made and mostly	.....	Astor bridge	.....	Military post.
4	Leechar	...	13	...	49	...	.....	Leechar "	.....	S. and T. nil, F. G. scarce, W. from river.	Site of great mountain slip from Hatu Pir into Indus river in
		...	...	...	51	...	.....	Raikheot "			

				52 ...	bridged. Hill slopes below Hatu Pir exposed to shale slides.	.....	Phungatori „			1841 which blocked up the river.
5	Jaliper	...	14 ...	63 ...		.....	Jaliper „	.....	Ditto	Halting place.
				67 ...	Rest of road fairly easy.	.....	Ganalo „			
				69 ...	.....	.....	Gonar „			
6	Bagtogah <i>E.—</i>	...	15 ...	78 ...	.....	.....	Bunar „	.....	Ditto	Opposite Ges on right bank Indus.
				88 ..	.....	.....	Khanogah „			
7	Chilas <i>P. O., B., E.—</i>	...	13 ...	91 ...	Hence turn southwards and ascend Khanogah valley to Basha and up western Thak ravine to Babusar.	Up Khanogah valley.	.....	.....	S. T. W. moderate, F. G. scarce.	Fort, small cantonment, village and bazar.
	<i>Dassa</i>	...	...	95 ...						
	<i>Singal</i>	...	...	99 ...						
	<i>Basha</i>	...	...	101 ...		.....	Niat bridge.			
8	Thak <i>E.—</i>	...	14 ...	105 ..	Good road of easy gradient. Eastern Niat ravine leads to Kamakduri pass 15,000 feet and down to Kishengunga valley at Shardi.	.....	Thak „ Thak ravine crossed 4 times by bridges.	.....	S. F. G. W. and T. moderate.	Village and fort on summit of high rock.
9	Babusar <i>E.—</i>	...	8 ...	113 ...		.. ..		.....	S. and T. nil, F. G. W. plentiful.	Hamlet.
				117 ...	Ascent and descent of pass steep over easy ground.	Babusar pass down Khanogah valley.	.....	13500		
10	Gittidas	...	6 4	119 4	.....	.....	Gittidas-kakatta.	12100	Ditto F. Juniper.	Halting place.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>							
LXI	<i>ROUTE—contd.</i> ...	...	...	119 4					
	<i>Lalasar Lake</i>	126 4	Road recently re-made, passable throughout for pack animals, cliff passages improved and some bridges provided.	Down Gittidas ravine to Lake along left bank, thence down Kunhar or Nainsook river, crossing to right bank at Basul and left bank at Burawai, and keeping along the left bank to Narang, whence good road along either bank to Khagan.	Kunhar ford	11700	Bridge will be built.
11	Basul <i>E.—</i> ...	10	...	129 4		.....	11000	S. and T. nil, F. G. W. plentiful.	Halting place.
	<i>Kotawai</i> ...	...	...	130 4		.....	.....	.....	Junction of Purbidia-ka-katta.
	<i>Seri</i> ...	...	...	133 4		.....	.....	.....	Ditto Julkhud-ka-katta.
	...	...	...	135 ...		.....	.....	.....	Ditto Jora-katta.
12	Bu awai ...	11	6	141 2	.....	Kunhar bridge	9330	Ditto	Ditto Jora-katta.
13	Bhatta Kundi ...	8	2	149 4	Between Bhatta Kundi and Narang are some difficult cliffs.	Bhatta Kundi	... ..	Ditto	Junction of Bhatta Kundi-ka-khatta.
	<i>Sahoch on right bank</i> ...	...	...	153 ...		.....	.....	.....	Sapal pass road from Yaghistan.
	<i>Saiful Malik Lake 4½ miles east.</i> ...	...	...	158 ..	.....	Saiful Malik Lake.	11600	.....	Up rocky gorge east.
14	Narang ...	9	4	159 ...	Between Narang and Khagan good road along either bank.	Kunhar bridge.	8275	S. F. G. W. and T. plentiful.	Highest village in Khagan valley. Food depot for Gujar herdsmen.	
15	Khagan ...	14	4	173 4	Road difficult in places.	Ditto	6800	S. and T. scanty, F. G. W. plentiful.	Village on left bank.	

16.	<i>Diwan Bela</i>	...	...	178	4	.....	Jared and Kawai to Balakot, where cross over to right bank.	Nainsook gorge.	.....	.....	Site of great battle in which Sikh Army was annihilated by mountain tribes. Village on left bank.
	Manaur	...	10	183	4	.....		Bichla bridge.	.....	Ditto	
	<i>Bichla 3 miles up nala.</i>	...	...	185	4	.....		.....	5135	Ditto	
	<i>Jared</i>	...	...	187	4	Between Bhunja nala and Paras are some dangerous cliffs, where loads should be taken off animals and carried by men.		.....	Bhunja bridge	.....		
	<i>Malkundi, F. B.</i>	}	..	...	191	...		.....	.....	.....
<i>Bhunja 3 miles up nala</i>	..		...	195	...	.....	.....	.....	
17	Kawai	...	14	4	198	...	Road fair, several steep ascents and descents, narrow in places.	5025	S. and T. moderate, F. G. W. plentiful.	Small village.	
	<i>B.—</i>	...	...	...	200	...	.....	Ghanul	..		
18	Balakot	...	13	...	211	...	Road good and easy over pass.	Kunhar	..	3700	S. F. G. W. and T. plentiful.	Small town and thana on right bank. Pass of easy gradient on both approaches. Small village.
	<i>B. E.—</i>	219	...	From Bisyan, the road continues down the valley to Garhi Habib-ulla 232 m. 3 fg. D. B. and joins the Kashmir road.	Dun gali	
	<i>Bisyan</i>	220	
19	Jaba	...	11	...	222	...	Joins the earthen and bridged cart-road to Abbottabad.	S. F. G. W. and T. moderate.	Large village and tehsil.	
	<i>B.—</i>	...	...	...	228	...	.....	.....	.....	.....	.....
20	Mansera	...	13	...	235	...	Good road metalled and bridged, excepting large rivers.	Bhatti bridge	3540	S. F. G. W. and T. plentiful.	Military Cantonment, Civil Station, town, headquarters of district Hazara. Halting place.	
	<i>P. O., D. B., C., E.—</i>	...	...	...	251	...	.....	.....	.....	4005	S. F. G. W. and T. ample.
21	Abbottabad	...	16	...	251	...	.....	.....	.....	2700	S. F. G. after notice, W. from well, T. nil.
	<i>Sultanpur</i>	...	...	...	259	4	.....	Dor ford	.....	2610	.....	
	<i>Chamba B. C., E.</i>	...	...	...	261	4	.....	..	...	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXI	<i>ROUTE—contd.</i> ...	...	...	261	4						
22	Haripur ...	23	2	274	2	Tonga service to Hassan Abdal.	.....	.....	1730	S. F. G. W. and T. plentiful.	Town, bazar, tehsil.
	<i>P. O., T. O., B. B., C., E., Huttar</i> ...	...	...	287	4	.....	.....	.....	.....	S. F. G. after notice, W. from well, T. nil.	Halting place.
	<i>Balartope</i> ...	...	...	290	2	.....	.....	Haro ford	1600.		
23	Kalake Serai ...	21	...	295	4	.....	.....	.....	1690	S. F. G. T. after notice, W. from well.	Small town and Station on N. W. Railway.
	<i>P. O., T. O., D. B., or Hassan Abdal</i> ...	19	...	293	2	.....	.....	.....	1400	S. F. G. W. and T. available.	Ditto.
	<i>P. O., T. O., D. B., 1½ miles distant from Railway Station.</i>										

Lay in supplies at Gilgit, Bunji, Chilas and Balakot—

From Chilas there is another more westerly route up the Botogah valley by Mati Shing and Philiat, and up the Philiat ravine over the Botogah pass to the Gittidas Creek and Lalusar Lake—about 6 miles longer than the Babusar route.

From the Kaghan valley there are several tracks over the dividing range or Kashmir border into the Kishengunga valley, those best known are:—

From Kotawai, up the Purbidia-ka-katta over the Siral gali and down this ravine into the Kankatori valley to Shardi on the Kishengunga.

From Seri, up the Julkhud-ka-katta over the Nari Nar pass and down this ravine to Surgan in the Kankatori valley.

From Burawai, a good path up the Jora-katta over the Chantari or Ratti gali and down the Oolari valley either to Kurigam or Doarian on the Kishengunga.

From Bhatta Kundi up this nala over the Tor gali into the Jagran valley and Drawar.

From Manaur are paths up this nala and its branches over the Slikara and Bichla passes into the Jagran valley and Drawar.

From Bhunja is a rough path over the Bhadri gali to Pala and Kuri.

From Ghanul another rough path over the Makra gali and down the Shalan valley to Kuri.

From Balakot is a road much used by traders over the Galoti gali into the Shalam valley to Kuri on the Kishengunga.

From Balakot down Khagan valley by Bisyan to Garhi Habibulla is 12½ miles.

LXII GILGIT to DAREL.—Map.

	Gilgit	...	...	...	0	...	Good road to Naupur, where it turns westwards up the Kergah valley to its source. Very rough track to Jut.	.....	.....	4890 5025	S. F. G. T. moderate, W. plentiful.	Military Cantonment, fort, town, bazar, residence of Political Agent, capital of province.	
	<i>Naupur</i>	...	...	...	3	...		Up Kergah valley.	.....	.....		Small village.	
					4	...			Shuku ford.	.....			.....
					8	...			Singaigah „				
					11	.....			Kergah bridge.				
1	Jut	...	16	...	16	...	Fair road through beautiful country with green sward and pine forests to the head of the valley, where vegetation ceases, and the rugged hill sides are covered with piles of splintered rock.	.....	.....	8900	S. and T. nil, F. G. W. plentiful.	Halting place.	
	<i>Shaimuse Harai</i>	...	...	...	18	...			.....	.....	Ditto	Ditto.	
2	Maja Mazne	...	7	...	23	...			.....	.....			.....
	<i>Dati Harai</i>	...	..	...	26	4			.....	.....	Ditto	Ditto.	
3	Takorbas	...	7	...	30	..			.....	.....			.....
					34	...		Chonchar pass, across Khanbari valley.	.....	14,000.	Ditto	Ditto.	
					34	...			.....	.....			.....
4	Kalichunji	...	8	...	38	...	.....		Khanbari ford	.....	Ditto	F. scarce.	Ditto.
					46			Kuli pass, down Barigah glen.			
5	Yahchot	...	16	...	54	...	Rough road, difficult in places.	Down Darel valley.	.....	.....	S. F. G. W. and T. moderate.	Small village and fort.	
	<i>Mankial</i>	...	...	...	59	...							
	<i>Budankot</i>	...	...	...	63	...							

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXII	<i>ROUTE—contd.</i>	63	..						
6	Samakial or Dudokot ...	13	...	67	...	.....	.....	.....	S. F. G. W and T. moderate.	Fort and chief place in Darel.
	<i>Phogaj</i> ...	...	...	70	...					
	<i>Gaiiah</i> ...	...	...	73	...	.....	.....	.. ...	Ditto	Village.
7	Indus river ...	9	...	76	...	Right bank of Indus river.					

From Kalichunji 38 miles, there is a rough path down the Khanbari valley to the Indus river. In this valley are said to be minerals, which were once worked, hence the name.

There is another track to Darel from Singal at mile 32 of Route LXIII, which turns southwards up the Singal valley and the Patara ravine over the Dodar gali to Yahchot, in length about 40 miles from Singal.

LXIII GILGIT to CHITRAL by MASTUJ—*Beynon.*

Gilgit or Gilit ...	...	...	0	...	Six feet made road from Gilgit to Gupis, open throughout the year and passable for pack animals.	Up Gilgit valley right bank.	.....	4800 } 5025 }	S. F. G. and T. moderate, W. plentiful.	Military Cantonment, fort, town, bazar, residence of Political Agent, and capital of province.
<i>P. O., T. O., C. E.—</i>										
<i>Naupur</i> ...	...	...	3	...		.....	Kergah bridge			
<i>Hinzal</i> ...	...	...	9	...		.....	Heltar ,,	5150.		

1	Sharot <i>E.—</i>	...	18	...	18	It crosses fans of alluvial soil at the mouths of streams where small villages are situated with orchards, gardens and cultivation around.	.....	.....	6000	Ditto	Small village.	
	<i>Shikaiot</i>	...	...	...	19		.....	Shikaiot	,			
	<i>Gulapur</i>	...	...	...	21		.....				
	<i>Cherkala on left bank</i>	...	.	...	23		.....	Yasin rope bridge.	.....	.....		Fort and capital of Punial.
					25	.....	Called Yasin valley upwards.	Dalmati	,	5800.		
2	Singal <i>E.—</i>	...	14	..	32	.....	.....	Singal	,	6200	S. and T. nil, G. F. W. procurable.	Small village and fort.
	<i>Gulmati</i>	...	...	...	35	.....	.....	Gulmati	,			
	<i>Gurjar</i>	...	...	...	38							
3	Gakuch <i>E. below village at 6,600 feet.</i>	...	10	...	42	Between such it crosses hill spurs varying in ascent and descent.	.....	.....	7170	S.F.G.W. procurable; T. moderate.	Ditto.	
	<i>Aish</i>	..	...	...	44		.....	.....	.....	.....	.....	Junction of Ishkoman and Yasin rivers.
	<i>Hopar</i>	...	...	..	47		.....	.....	.....	.....	.....
					51							
4	Sumar <i>E.—</i>	...	13	...	55	.....	.....	Yangan	,	.....	S. G. T. nil, F. W. procurable.	
					62	.....	.....	Sirogah bed.				
	<i>Roshan</i>	...	...	...	63	.....	.....	Roshan bridge.				

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		<i>m.</i>	<i>f.</i>	<i>m.</i>	<i>f.</i>						
XLIII	<i>ROUTE—contd.</i>	...	...	63	...						
5	Gupis <i>E.—</i>	...	13	68	...	From Gupis country road improved and rendered passable for laden animals to Chitral.	Called Ghizar valley upwards.	..... Inijarot bed. Khogah "	7400	S.G.F.W. procurable, T. moderate.	Small village and fort at junction of Ghizar and Wursliigan rivers.
				73	...						
				78	...						
6	Dahimal	...	17	85	...	.....	.....	Dahimal rope bridge. Kachun bridge	8200	S. G. T. nil, F. W. procurable.	Small village.
				88	...	.....	.....	
				90	...	Bad pari & gallery					
				92	...	.....			
7	Pingal <i>E.—</i>	...	10	95	...	Road from Pingal to Gasht always bad from snow between 15th December and 15th March; and the Shandur pass is usually closed for one month during this period.	Up Ghizar valley right bank.	Sozat "	9600	S. and T. nil, F. G. W. procurable.	Small village.
	<i>Darband</i>	...	...	98	...						
				104	...		.. ..	Chashi bridge and ford.			
8	Chashi	...	10	105	...		.....	Bandar Lake	9800	Ditto	Ditto.
				114	4		Cross to left bank.	Ghizar bridge.			
9	Ghizar <i>E.—</i>	...	13	118	...	.....	.....	.....	10000	S. F. G. W. and T. moderate.	Ditto and fort.
				121	...	.....	.....	Teru ford.			
				122	4	.....	.....	Chukhabut bridge.			

10	Langar	...	15	127	.....	.....	Chamarkand bridge.	.....	.....	Alternative route over high pass to Mastuj. Jungle.
				133	Easy ascent to pass	.....	.....	11000	S. and T. nil, F. G. W. procurable.		
				138	Pass, long maidan of 3 miles and sharp descent.	Shandur pass down Woghtur ravine.	Shandur Lake	12,000.					
11	Laspur	...	10	143	.....	Down Laspur valley.	.....	9800	Ditto	Hamlet.	
				144	.....	.....	Laspur bridge.				
				147	.....	.....	Harchin bed.				
	<i>Rahman</i>	...	...	150	.....	.....	.....	.....	Path across hills and down Goland Gol to Chitral.	
12	Gasht	...	9	152	Road over large fan scored by several nalas with steep and narrow ramps.	.....	.....	9000	Ditto	Ditto.	
				<i>Chokalvat</i>	155	First battle fought by Colonel Kelley with Pioneer Regiment and Kashmir Service troops against Chitrali force.
							159		Laspur bridge.			Fort and capital of Kushwakt.
13	Mastuj <i>P. O., E.—</i>	...	11	163	Road fair	Down Yarkhun valley right bank.	Yarkhun „	7760	S. F. G. W. and T. procurable.	Second battle fought and defeat of Chitralis. Village.			
				<i>Nisa Gol</i>	...	169		
14	Sanoghar	...	9	172	Road good	Cross to left bank.	Yarkhun „	7600	S. and T. nil, F. G. W. procurable.				

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		mi.	f.						
LXIII ROUTE—contd.									
15	Buni	...	173	...	.....	.....	6900	S. and T. nil, F. G. W. procurable.	Village. Junction of Turik- ho and Yarkhun rivers.
		11	183	...	Called Chitral river.	.....	.....
	<i>Koragh defile</i>	...	190	...	.....	.....	.....
		...	193	...	.....	Reshun nala	6500	Ditto	Small village.
16	Reshun	12	195	...	Cross spur	.....	7200		
		8	203	...	.....	Barnas nala	6100	Ditto	Ditto.
17	Barnas E.—	...	215	...	.....	Guland Gol.	5500	Ditto	
		13	216	...	.....	.....	.....
18	Koghazi	...	227	...	Cross to right bank Chitral river.	Chitral bridge.	4980	S. F. G. W. and T. procurable.	Fort and capital of Kashkar. Resid- ence of Mehter of Chitral
		12	228	4	.....	.....	.....
19	Chitral P.O., T.O., E.—	...	228	4	.....	.....	.....

From Chhokala opposite 23 miles on left bank of Gilgit or Yasin River, a track goes up this side by Babur 36 miles, junction of Ishkoman river 47 miles 63-0 feet, and up the Ishkoman valley by Chatorikand 63 miles, limit 78 miles 8,200 feet, Gazkul or Karambar Lake and Ishkoman pass either to Lavgir or to Sarhal in Wakhan 139 miles. There are formidable glaciers on this route, which commence at 13½ miles from limit and are present only in winter when snow fills the crevasses. The Lake is about 2 miles long at the head of 2 valleys, Ishkoman southwards and Yarkhun south westwards. It is about 35 miles from limit and about 25 miles from Sarhad across undulating ground covered with grass in summer. From Laspur 143 miles, there is a path southwards over the Tal pass and down the Panjkora valley by Tai and Shiringal to Dir.

LXIIIa GUPIS to SARHAD in WAKHAN by YASIN and the DARKOT and BAROGHIL PASSES—*Littledale.*

5	Gupis <i>E.—</i>	...	...	68	...	Rough road throughout, but passable for laden animals.	Up Wurshigan valley along left bank to 78 miles where cross to left bank.	.....	7400	S. F. G. W. procurable, T. moderate.	Small village and fort.
	<i>Gendai fort</i>	69	4							Yasin bridge.		
		75	4							Wurshigam bridge.		
				78	...									
6	Yasin <i>E.—</i>	...	15	...	83	...	.. ..	.....	7765	S. F. G. W. and T. available.	Small town.
	<i>Barmas</i>	85	...	General direction northwards.	Ditto.						
		...	...	90	...							
7	Mir Wali's fort <i>E.—</i>	...	8	...	91	...	.. ..	.....	... ..	Ditto	Fort.
		95	Cross to left bank.	Ditto.						
	<i>Amchat</i>	98	..									
8	Darkot <i>E.—</i>	...	15	...	106	...	.....	.....	9160	S. F. G. W. and T. moderate.	Village.
9	Camp at southern foot of pass	...	10	...	116	...	Steep ascent and descent across snow field and glacier with many crevasses.	.....	11050	S. and T. nil, F. G. W. procurable.	Halting place.		
		122	...	Darkot pass		15000			Closed until June.	
10	Safer Bek <i>E.—</i>	...	15	...	131	...	Join road from Mastuj in Yarkhun valley.	Across head of Yarkhun valley.	Yarkhun ford	Ditto	Ditto.		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXIIIa ROUTE — <i>contd.</i>									
11	Zerkhar	15	...	...	Baroghil pass	.....	12460	.....	Hindu Kush range.
12	Sarhad <i>E.</i> —	7	..	153	.....	.....	10450	S. and T. nil, F. G. W. procurable.	Hamlet. Large village.

From Barmas 90 miles, a rough path westwards by Nalti over the Tui or Moshabar pass 14,700 ft. to Kila Darband in Yarkhuu valley 3 marches.
From Darkot 103 miles, a difficult path eastwards over dividing range by Ishkoman to Iuit in the Ishkoman valley 3 marches.

LXIIIb MASTUJ TO SARHAD IN WAKHAN BY BAROGHIL PASS—(*Approximate*) *R. G. S. Journal, Robertson's Map.*

13	Mastuj <i>P. O., E.— Chapri</i>	...	...	163	...	...	7760	S. F. G. W. and T. procurable.	Fort and capital of Kushwakht.
14	Brep	13	...	176	...	.....	.....	S. and T. nil, F. G. scanty, W. plentiful.	Village.
15	Miragram	10	...	186	...	.....	.....	Ditto	Ditto.
17	Kila Darband <i>E.</i> —	14	...	200	...	.....	.....	S. F. G. W. and T. moderate.	Village and fort.

	Topkhana Ziabeg	10	...	210	..	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Halting place.
19	Safer Bek	...	22	...	232	...	Ascent to summit	.....	.....	Ditto	Ditto.
	<i>E.—</i>						3 miles gentle				
	<i>Chitral and Badakshan</i>	...	...	235	...		gradient, plateau				
	<i>Frontier.</i>						5 miles called				
				240			Dasht-i-Biughil	Baroghil pass	.....	12460	Hindu Kush range
							rich pasturage,				
20	Zerkhar or						descent 3 miles				
	Pirkhar	...	14	...	247	...	gentle slope and	.....	.....	Ditto	Hamlet.
							beyond — Dasht is				
							stage 3 miles be-				
21	Sarhad in						yond — Dasht is				
	Wakhan	...	7	...	254	...	2 to 4 miles wide	.....	Panj ford	10450	S. F. G. W. and T. available.
	<i>E.—</i>						covered by deep				Large village.
							snow in Decem-				
							ber, January and				
							February.				

At Sarhad the east and west road used in winter from Sarikol through Wakhan to Badakshan is joined. This starting from Tashkurgan, the capital of Sarikol, 10,250 feet, has the choice of two routes to Gombaz-i-Bozai. *Firstly*, southwards by Zerishtut 20 miles, Kurghan-i-Ujadbhai 30 miles, then westwards across the Tagdumbash Pamir by the Karachuunkar pass 65 miles and descends to Gombaz-i-Bozai 110 miles. *Secondly*, westwards from Tashkurgan up rocky stream to Kanshubar 12,980 feet 16 miles, up open valley to Nezatash pass, 14,915 feet 26 miles, descent to Kogachak 12,740 feet 36 miles, and Aktash (white stone) on Aksu river, 12,600 feet 41 miles; thence south-westwards up the Aksu valley through the Pamir Khurd (Little) by Onkul 12,900 feet 65 miles, to Oikul or Gazkul Lake 13,100 feet 90 miles, the source of the Aksu river, 3 miles long by 1½ mile broad; thence descending the open Panj valley mostly along right bank to Gombaz-i-Bozai 12,530 feet 97 miles, where large stream joins in from the east Khajrui pass 16,150 feet, Langar 115 miles, over Paraz Dawan 10,780 feet through open gravelly plain to Sarhad 10,450 feet 140 miles, highest village in Wakhan. Travellers must take supplies for the through journey 8 marches either at Tashkurgan or Sarhad. In winter the Panj river is frozen over and can easily be crossed when required, in summer this river is in flood, and a higher route is taken over many spurs, involving much up and down. Grazing is plentiful and wood fuel procurable; the northern hill side being covered with juniper and birch trees.

From Sarhad 140 miles, westwards down Panj valley along either bank to Patuch or Patur, 10,350 feet 145 miles, large village and hot spring 160° Nist 150 miles, Dehgolaman 160 miles, Yur 10,010 feet 163 miles, Vost 178 miles, Sas 183 miles, Zun 193 miles, at the junction of the river from the Victoria Lake 13,900 feet (which is the road used in summer through the Great Pamir from Kila-i-Panja to Kogachak on the Aksu river and Tashkurgan) Kila-i-Panja 9,050 feet 196 miles, the residence of the Chief of Wakhan.

From Kila-i-Panja down the Panj valley along the left bank south-westwards is Ishkashim fort, 8,560 feet 270 miles, whence the river Oxus or Ab-i-Panja turns northwards to Kila Wamur.

From Ishkashim, the main road continues westwards over a ridge to Zebak 290 miles, and down the Vardoj valley to Faizabad 3,500 feet 372 miles, the capital of Badakshan.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						

LXIIIc CHITRAL to NOWSHERA—(Approximate.) Maps. *Younghusband, Hamilton, Newman.*

	Chitral <i>P. O., T. O., E.—</i>	...	...	0	...	Rough and stony bridle road, lately improved, from Chitral through to Malakund and passable for all laden animals.	Down Kunar valley left bank.	.....	4980	S. F. G. W. and T. procurable.	Fort, bazar and capital of Kash Kar.
	<i>Broz</i>	...	...	10	...						
	<i>Gairat</i>	...	...	15	...						
1	Kila Drosh <i>P. O., T. O., E.—</i>	...	25	...	22	.....	.....	Shisht bridge.	4500	Ditto	Village and Mili- tary fort.
2	Ashreth <i>E.—</i>	...	13	...	38	.....	.....	.....	6430	S. and T. nil, F. G. W. procurable.	Village.
	<i>Gujar</i>	...	...	43	...		Lowarai pass	.....	10450		
	<i>Mirga</i>	...	...	50	...	Steep ascent and descent over the Lowarai pass.	.....	.....	8400		
3	Dir <i>P. O., T. O., E.—</i>	...	22	...	60	.....	Down Panjkora valley left bank.	.....	5650	S. F. G. W. and T. moderate.	Small town.
4	Chutiatur	...	7	...	67	.....	.....	Panjkora bridge.	.....	S. and T. nil, F. G. W. available.	Small village.
5	Darora or Gundi- gar.	...	13	...	80	.....	.....	.....	.....	Ditto	Ditto.

6	Robat	...	12	...	92	.....	Up Laram ravine.	.....	.....	Ditto	Village.
7	Uch	...	10	...	102	Easy ascent and descent.	Laram pass	.....	5500	Ditto	Ditto.
	<i>Serai</i>	...	...	...	107	.....	Across Swat valley.	.....	.....
8	Chukdara	...	12	...	114	.....	.....	Swat bridge	.....	S. F. G. W. and T. moderate.	Military fort.
	<i>P. O., T. O., E.—</i>	...	...	...	122	.....	.....	.....	.....
	<i>Khar</i>	...	...	...	122	.....	.....	.....	.....
9	Malakund	...	14	...	128	Steep ascent and descent.	Malakund pass.	.....	3500	S. and T. nil, F. G. W. procurable.	Ditto.
	<i>P. O., T. O., E.—</i>	...	...	...	128	.....	.....	.....	.....
10	Durgai	...	9	...	137	Cart-road bridged and metalled	.....	.....	.....	Ditto	Village.
	<i>E.—</i>	...	...	...	141	from Malakund to Nowshera.	.....	.....	.....
	<i>Shahkot</i>	...	...	...	141	.....	.....	.....	.....
11	Jalala	...	14	...	151	Tonga service opened.	.....	Alongside Swat canal from Jalala to Hoti Mardan.	.....	S. F. G. W. and T. moderate.	Large village.
	<i>E.—</i>	...	...	...	151	.....	.....	.....	.....
12	Hoti Mardan	...	13	...	164	.....	.....	Across Cabul valley.	.....	S. F. G. W. and T. plentiful.	Military Cantonment and bazar.
	<i>P. O., T. O., E.—</i>	...	...	...	164	.....	.....	.....	.....
13	Nowshera	...	16	...	180	.....	.....	Cabul boat bridge.	.....	Ditto	Small Town and Military Cantonment. Station on N.-W. Railway.
	<i>P. O., T. O., E.—</i>	...	...	...	180	.....	.....	.....	.....

From Dir, 60 miles, there is another route westwards up the Baraul valley by Surbat 73 miles Baraul Banda, 3,340 feet 83 miles, Janbatai 85 miles, thence southwards over the Janbatai pass 9,000 feet 90 miles, to Kambat 97 miles, Mundia Khan fort 108 miles, Miankalai 3,530 feet 109 miles; thence eastwards down the Ushiri valley and across the bridge over the Panjkora river to Sado 123 miles, Gambat 131 miles, and over the Katgola pass 134 miles, to Chukdara on the Swat river 145 miles.

From Baraul, there is another path southwards over the Kargosar pass 8,340 feet by Gawargat and Shazadgai to Robat on the Panjkora river.

From Robat 92 miles, the road continues down the Panjkora left bank to Sado 104 miles, and joins the above route to Chukdara 126 miles.

LXIII^d CHITRAL to FAIZABAD in BADAQSHAN—(Approximate)R. G. S. Journals. Maps.

LXIII^e CHITRAL to KILA-I-PANJA.

By DORA PASS 14,800 ft.				By AGRAM PASS 16,112 ft. OR NUKSAN PASS 18,560 ft.				By RICH OR OCHIL 18,400 ft. PASSES.						
19	Chitral 4,980 ft. <i>Shali at junction of Shogoth and Kunar rivers.</i>	...	228½	19	Chitral 4,980 ft. <i>Chingur</i>	...	228½	19	Chitral 4,980 ft.	...	228½			
		...	234			...	234			...				
20	Shogoth 7,230 ft. <i>Up Lutka valley.</i>	...	16½	245	20	Shogoth 7,230 ft. <i>Up Arkari valley.</i>	...	16½	245	18	Koghazi	...	12½	216
						<i>Oles</i>	...	...	232		<i>Gu land Gol</i>	...	...	215
							...	...	232		<i>Mori</i>	...	...	211
21	Darosh	...	14	259	21	Shali	...	12	257	17	Barnas	...	13	203
											<i>Perpish Gol.</i>			
22	Lutka , large village	...	16	275	22	Arkari	...	6	263	18	Lun	...	10	213
						<i>Darband</i>	..	...	268		<i>Gurkir</i>	...	...	215
											<i>Jani</i>	...	...	221
23	Shah-i-Shalim	...	12	287	23	Agram	...	13	276	19	Kila Drasan 8,640 ft.	...	12	225
	<i>Hot spring Eastern foot.</i>										<i>Up Turikho valley.</i>			
	<i>Dora Pass 14,800 ft.</i>	...	...	293		<i>Agram Pass 16,112 ft.</i>	...	...	277		<i>Stari</i>	...	...	233
24	Camp , Western foot, Sulphur Mine.	...	12	299	24	Daigul	...	24	300	20	Rain	...	16	241
						<i>Down Vardoj valley.</i>								
25	Gazikistan	...	10	309	25	Zebak , small town 8,550 ft.	...	10	310	21	Ujnu	...	13	254
26	Sanglich 9,300 ft. <i>Cross range.</i>	...	10	319	26	Kobak	...	16	326	22	Ruah	...	16	270
											<i>Rich or Janali Pass 16,700 ft.</i>	...	...	285
27		...	20	339	27	Tirgaran	...	9	335	23	Kala Yust	...	30	300
											<i>On Ab-i-Panja left bank.</i>			

28	Tibi <i>Cross Kokcha river.</i>	...	14	353	28	Chakaran <i>Cross Vardoj bridge.</i>	...	18	353	24	Kila-i-Panja 9,050 ft.	...	24	324
29	Jirm 4,800 ft. <i>Cross hill range.</i>	...	16	369	29	Khairabad	...	14	367					
30	Deh-i-Nao	...	14	383	30	Faizabad 3,500 ft. <i>Capital of Badakshan.</i>	...	20	387					
31	Faizabad 3,500 ft. <i>Capital of Badakshan.</i>	...	16	399										
	ALTERNATIVE ROUTE FROM. <i>Down Gogardasht valley.</i>					ALTERNATIVE ROUTE FROM.					ANOTHER ROUTE FROM.			
26	Sanglich	...	...	319	23	Darband	...	...	268	23	Ruah <i>Ochil Pass 18,400 ft.</i>	...	...	270 285
27	Iskitul	...	16	335	24	Camp, Eastern foot <i>Nuksan pass 18,560 ft.</i>	...	12	280	24	Khandut <i>On Ab-i-Panja left bank.</i>	...	30	300
28	Zebak, small town 8,550 ft.	...	9	344	25	Camp, Western foot	...	12	292	25	Kila-i-Panja 9,050 ft.	...	20	320
29	Zarkhan	...	8	352	26	Daigul	...	12	304					
30	Bazgiran <i>Sardab pass.</i>	...	8	360										
31	Ishkashim Fort 8,560 ft. <i>On left bank Ab-i-Panja.</i>		8	368										

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

LXIV GILGIT to YARKAND and KASHGAR by HUNZA and SARIKOL—

(Approximate.) *Map. Knight, Conway, Trotter, Cumberland, Dunmore.*

Between Gilgit and Hunza, there are bridges over the Kanjut or Hunza river at Dainyor, near Nomal, beyond Gwech, 2 miles beyond Chalt below Gulmit, at Pisan, at Tushot, and at Samaya, also over the Nagar river below Nagar. There is a route along either bank of the Kanjut river, that usually taken is as under :—

1	Gilgit	0	Gilgit bridge	4390	S. F. G. and T. moderate, W. plentiful.	Town, fort, and capital of Gilgit province. Residence of Political Agent.
	<i>P. O., T. O., C., E....</i>	...	...	4	...	Junction of Gilgit and Kanjut rivers.	Up Kanjut valley right bank.			
	<i>Pilche</i>	...	...	9	4	Road to Nomal along sandy reaches and through precipitous rock gorges.	.....	.....	5500	S. F. G. and T. scanty, W. plentiful.
	Nomal	...	18	...	18	...	.....	Nalta bridge.		
	<i>E.—</i>	...	...	19	...	...	...	
2	<i>Gwech on left bank</i>	25	...	Road to Chalt fair with exception of long Chaichar parri.					Fort, village and fields.
	<i>Chaichar parri</i>	...	...	30	...					
	Chalt	...	16	...	34	...	.....	Chaprot "	6120	S. F. G. and T. moderate, W. plentiful.
	<i>E.—</i>	...	...	36	...	On united fan at mouths of Chaprot and Garasir nalas.	Cross to left bank, cross	Kanjut "		

				37	4	After crossing steep ridge, road traverses a succession of fans, cut by several deep and precipitous nalas; road fair, though stony, passable for laden animals.	spur from Rakipushi mountain.	.....	7000		
	<i>Nilt</i>	...	...	45	...			8 deep nalas crossed hence to Tushot.	.....	.....	Strong fort stormed in Hunza campaign.
	<i>Thol</i>	...	...	47	...		...		
3	Gulmit <i>E.—</i>	...	15	...	49		.....		6400	S. F. G. and T. scanty, W. plentiful.	Fort and village.
	<i>Pisan</i>	...	...	...	52	4					
	<i>Tushot</i>	...	...	...	57	4	.....	Cross to right bank for Hunza.	Kanjut bridge.	6980	
4	Phakar <i>E.—</i>	...	10	4	59	4			7480	Ditto	Ditto.	
	<i>Askordas</i>	...	...	...	64	...					
	<i>Samaya</i>	...	...	...	66	4	Junction of Nagar and Kanjut rivers.	.....	Kanjut bridge.		
5	Nagar <i>E.—</i>	...	13	...	72	4			7790	S. F. G. T. W. plentiful.	Town, fort and capital of Nagar. Residence of Thum of Nagar.
	<i>Or crossing Kanjut river either at Tushot or Samaya.</i>											
5	Hunza or Baltit	13	4	73	...	Road rough and stony to Gulmat, passable for laden animals.	Up Kanjut or Gujal valley.	.....	8000	Ditto	Town, fort and capital of Kanjut. Residence of Thum of Hunza.

From Nagar there is a cross path to Hunza about 9 miles in length, crossing both Nagar and Kanjut rivers.

From Hunza, the track continues northwards up the Kanjut valley to Pasu, at the junction of the Shimshal and Gujal rivers. One path goes eastwards up the former valley to the Shimshal pass 17,000 feet, and descends into the Oprang valley, another path goes northwards up the Gujal valley and leads to several passes over the Hindu Kush.

N. W. up the Irshad tributary valley by Riship Jerad and Derdu over 2 passes to Langar and Gombaz-i-Bozai in the Pamir Khurd of Wakhan.

N. up the Gujal valley over the Kilik pass to fashkurgan in Sarikol as under.

N. N. E. up a side ravine over the Mintaka pass 14,400 feet, and down by Chadartash and Mazar Said Hassan to Tashkurgan.

N. E. up another side ravine over the Kunjerab pass and down by Mazar Said Hassan to Tashkurgan.

There is deep snow on all these passes from November to March, and a glacier $1\frac{1}{2}$ mile long is crossed over the Mintaka pass. They are free of snow in summer and practicable for laden mules and camels.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE 'N MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXIV	<i>ROUTE—contd.</i>										
	<i>Altit</i>	...	...	77	...					
	<i>Mahomedabad</i>	...	...	80	...					
6	Atabad	...	15	...	88	.....	.....	.....	S. F. G. and T. scanty, W. plentiful.	Village and fort.
7	Gulmat	...	9	...	97	Road fair from Gulmat to Pasu.	.....	.....	Ditto	Ditto and cultivated fields.
8	Pasu	...	8	...	105	Road through country bare of vegetation, crosses a large glacier shortly beyond Pasu. At mouth of grand gorge, winter route along bed of river, summer route over parri spurs. Arduous march to Misgar over huge parris, ever up and down.	Up Gujal valley.	Shimshal ford	8000	S. F. G. and T. moderate, W. plentiful.	Village and fort.
9	Khaibar	...	10	...	115		.....	.....	S and T. nil, F. G. scanty, W. plentiful.	Hamlet.
10	Gircha	...	10	...	125		Cross Gujal river, numerous fords, deep and difficult.	8750	S. F. G. & T. scanty, W. plentiful.	Village.
11	Misgar	...	12	...	137		10200	Ditto	Hamlet.
12	Murkush	...	13	...	150	Fairly easy ascent and descent over stony downs on both sides of pass.	S. and T. nil, F. G. scanty, W. plentiful.	Halting place.
					159		Kilik pass, down Wakh-	15600		

13	Kulkturuk nala ...	18 ...	168 ...	.....	ir. valley.	.....	14000	Ditto	Track west up Wakhjir valley over Khajrui pass 16,150ft. and down Ak Bilis valley to Bozai Gombaz about 50 miles.
			178 ...	.....	.....	.....	.....	.....	Track north over Paik pass to Ak-tash 50 miles.
14	Mintaka nala ...	20 ...	188 ...	Track south over Mintaka pass into Kanjut.	.....	.....	13000	Ditto	Kirghiz encampment.
	<i>Chadirtash</i> ...	0 0	204 ...		.....	.....	.....	.....	Ditto.
15	Kurghan-i-Ujad bai ...	22 ...	210 ...	Stony road down the Taghdumbash Pamir to Tashkurgan.	Down Taghdumbash valley.	.....	12000	Ditto	Old fort near junction of Kunjerab river, road south up latter to pass.
16	Camp ...	16 ...	226 ...	.....	.....	.....	.....	S. F. T. nil, G. scanty, W. plentiful.	Halting place.
17	Tashkurgan ...	16 ...	242 ...	Road along plain to Chushman.	Down Tashkurgan valley.	.....	10250	S. F. G. and T. moderate, W. plentiful.	Small town and fort and capital of Sarikol.

Hence are 3 routes, first northwards to Kashgar by Chushman and Tagharma to Little Karakul Lake west of Tagharma and Mustagh Ata peaks, thence north eastwards down the Uluart valley and through the Gez deiles, by Tashbalik and Borakatai about 208 miles, or 450 miles from Gilgit.

The second route to Yangi Hisar (midway between Kashgar and Yarkand) as described below.

The third route diverges from Chehil Gombaz 312 miles on second route eastwards to Yarkand, down the Charlung valley to Kiaz Aghzai 6,300 feet, at junction of the Kiaz river 350 miles, then up the latter over the Kara Dawan 9,590 feet 360 miles, and the Kizil Dawan 10,180 feet 367 miles, across the Shaitan-i-gum desert to Yakarik 4,630 feet 422 miles, and through cultivated country to Yarkand 3,923 feet 452 miles.

On each of these three routes, there are variations, which are adopted according to the season, condition of snow in the passes, state of river floods, &c.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXIV	<i>ROUTE.— contd.</i>	...	...	242					
	<i>Tiznef</i> ...	...	...	245					
18	Chushman ...	10	...	252	Rough and stony road up ravine and over pass.	Up Karabalak glen.	10100	S. F. G. and T. scanty, W. plentiful.	Village.
19	Chichiklik plain	16	...	264	.....	Kokmainuk pass.	15500.	S. and T. nil, F. G. scanty, W. procurable.	Halting place.
				268	Road across plain 5 miles, steep ascent and descent over pass of loose and slipping stones.	Yambulak pass.	.....	
				277		Toilobolong Lake.	16000.		
20	Toilobolong ...	18	...	286	Rocky road down ravine, steep and narrow in places over boulders.	Down Toilobolong ravine.	.....	Ditto	Ditto.
21	Past Robot ...	13	...	299	Fair road in valley, very steep ascent and descent over pass, through large rocks.	.....	9280	S. and T. nil, F. G. procurable, W. plentiful.	Hamlet.
				303		Tangitar ford.			
				307		Torak pass	13130.		
22	Chehil Gombaz ...	13	...	312		.....	10500	Ditto	Ditto.
				318	Steep and rocky ascent and descent.	Kaskam pass, down Kiokol valley.	12930.		

23	Kinkol	...	23	...	335	...	Road fair through defile and emerges on to broad plain.	.....	.....	.....	S. and T. nil, F. G. scanty, W. plentiful.	Hamlet.
	<i>Sasaktaka</i>	...	...	...	342	...		.....	.....	9455.		
24	Altala	...	15	..	350	...	.....	.....	.....	7345	Ditto	Village.
	<i>Kizkia</i>	...	...	...	356	...						
25	Karawul	...	12	...	362	...	Road fair through cultivated country with villages and orchards.	... ..	.....	. ...	S. F. G. T. scanty, W. available.	Fort.
26	Ighiz Yar	...	12	...	374	...		.....	.....	5600	S. F. G. T. moderate, W. plentiful.	Village.
	<i>Karawas</i>	...	...	...	390	...						
27	Yangi Hissar	...	30	...	404	...	.....	.....	Yangi Hissar bridge.	4320	S. F. G. W. and T. plentiful.	Small town.

From Chushman there is a track northwards up the Karasu valley to Tagharma, and another track eastwards down the Tashkurgan valley to Shindi, and thence north eastwards over the range 14,480 ft. to Past Robat.

From Chehil Gombaz the Taugi road eastwards to Yarkand branches off down the Charlung valley. It is longer and more difficult than the road to Yangi Hissar, and supplies of all kinds are scarce

Rock salt is said to be found in the mountains bordering the Charlung valley and coal in the Kara Dawan and at Kusherab lower down the Charlung valley. Below the Kara Dawan on the west side, there is a waterfall 400 feet and the road alongside is difficult and dangerous.

From Ighiz Yar 374 miles, there is a track eastwards to Kizyl 398 miles 3,910 feet, which is situated on the Yarkand, Yangi Hissar and Kashgar road, 30 miles S. E. of Yangi Hissar, and 55 miles N. W. of Yarkand 3,923 feet.

Yangi Hissar is thus distant 85 miles N. W. of Yarkand, and 50 miles S. of Kashgar, 4,043 feet by a good road over a fertile country, well watered by canals and cultivated.

LXV GILGIT to SKARDU by NAGAR and HISPAN—(Approximate.) *Map. Conway, Eckenstein, Wachtmeister.*

	Gilgit	...	...	..	0	..	} See previous Route LXIV.	.....	.....	.....	4890	.....	Town and capital of Gilgit province.
	<i>P. O., T. O., C., E.—</i>												
5	Nagar	...	...	...	72	4		... ..	.....	... ..	7790	S. G. W. and T. plentiful, F. scarce.	Town and capital of Nagar.
	<i>E.—</i>												

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						

LXV ROUTE.—*contd.* 72 4

From Nagar to Hunza 9 miles, the direct route crosses the Nagar river by a rope bridge, the Daung pass 9,200 feet at 2½ mile, and the Kanjut river at 7 miles by a rope bridge.
 Between Nagar and Hispar there are two more paths, one up the Nagar and Hispar valleys, about 25 miles, the rest by Hopar are longer. The following is chiefly taken from "Climbing in the Himalayas" by Sir W. M. Conway.

6	Hopar (Ratal) ...	6	4	79	...	Road from Nagar to Hopar good.	.....	.....	9220	S. F. G. W. and T. moderate.	Group of 5 villages.
	<i>Holshal</i> ...	...	...	80	...						
	<i>Borpu</i> ...	...	...	85	...	Hence to Hispar very rough, crosses several side nalas and glaciers and an intervening ridge.					
7	Paipering Maidan ...	11	...	90	...		.....	.. ...	10990	S. and T. nil, F. G. scanty, W. plentiful.	Halting place.
				93	..		Rash ridge up Nagar valley.				
				96	...			Nagar bridge	8620.		
	<i>Arpi Harrar</i> ...	...	...	101	...						
				103	...			Ditto	9390.		
	<i>Darapo</i> ...	...	...	105	...						
8	Hispar ...	16	...	106	..	After crossing the Garumb ar nala, the track ascends along left bank	Up Hispar glacier left bank.	Garumb ar bridge.	10320	S. F. G. T. scarce, W. plentiful.	Village.
	<i>Chokutens</i> ...	...	...	112	...		.....	.....	11770		Stone huts.

	<i>Gauder</i>	...	..	...	...	of Hispar valley crossing grassy declivities, several side nalas and glaciers from the south, gravel slopes and stony moraines to Haigutum, whence it turns due south up this side glacier, crosses the latter zig-zag up snow field and avalanche slopes over steep snow mound 500 feet above and east of col.	.....	.....	13070.		
9	Magorum	...	12	...	118		..	...	.....	S. and T. nil, F. W. G. available.	Halting place.
	<i>Chiring</i>	...	...	..	...		.....	.....	.....	.....	Ditto.
10	Haigutum or Hyou Kuru	...	13	..	131		Up Haigutum side glacier.	.....	13880	Ditto	Ditto.
					139		Nushik La.	.....	17300	.....	Open only in June, July and August.
11	Stiatbu Brangsa	...	12	...	143		Down Kero Loongma glacier, keeping generally along right bank.	.....	.....	S. F. G. T. nil, W. from snow.	Ditto 4 huts.
	<i>Ding Brangsa</i>	...	...	...	147			.....	.....
12	Kutche Brangsa	...	10	..	153			.....	.....	S. and T. nil, F. G. W. procurable.	Ditto.
13	Arundo <i>E.—</i>	...	16	...	169	Descend westwards over snow, rocks, neve by col, striking below latter to level snow field and along moraines to level glacier.	Junction and mouth of Kero Loongma and Chogo Loongma glaciers.	.....	10000	S. F. G. W. and T. moderate.	Village at foot of glaciers.
					178	Road from Arundo to Tisar fair.	Down Basho valley right bank.	Basho rope bridge.	.....	.....	Another road down left bank, crossing Braldo river and by Kashimal to Shigar.
14	Chutrun <i>B.—</i>	...	20	...	189		.....	Hot Springs	.....	S. and T. scanty, F. G. W. plentiful.	
	<i>Tisar</i>	...	..	...	193	.....	Down Shigar valley right bank.	.....	8227	.....	Junction of Basho and Braldo rivers.
					197	Difficult parri with 3 ladders and logs.					

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL							
		<i>m.</i>	<i>f.</i>	<i>m.</i>	<i>f.</i>						
LXV	<i>ROUTE.—contd.</i> ...	...	...	197	...						
15	Youskil ...	15	...	204	...	Road from Youskil to Shigar along sandy reaches, passing several villages.	.....	.....	.....	S. F. G. W. and T. moderate.	Large village.
16	Shigar <i>E.—</i> ...	16	...	220	...	.....	Cross to left bank.	Skin raft across Shigar river.	7640	S. F. G. W. and T. plentiful.	Small town.
17	Skardu ... <i>P. O., T. O., C., E.—</i>	14	...	224	...	.....	.....	Indus ferry	7400	S. F. G. W. and T. abundant.	Town and capital of Baltistan.

LXVI GILGIT to HANLE by INDUS VALLEY—Old Route. Map. Conway. Wachtmeister.

	Gilgit <i>P. O., T. O., C., E.—</i>	0	...	} See Route LVIII.	4890	S. F. G. W. and T. moderate.	Fort, town and capital of Gilgit province. Residence of Political Agent.
14	Skardu <i>P. O., T. O., C., E.—</i>	144	...		Road across alluvial plateau, along edge of cultivated	Up Indus valley left bank.	7400	S. F. G. W. and T. abundant.	Fort, town and capital of Baltistan. Head-quarters of

	<i>Grapi</i>	...	...	...	148	..	fans, round rock parri with stairs, through block house and a third fan green.	.....	Kepchung cho.				Wazir.
	<i>Kepchung</i>	...	...	...	149	...		.....	.. ...	.....	.....		Custom-house.
15	Thurgon <i>E.—</i>	...	8	...	152	...	.....	.....	.....	7530	... ..		Small village.
	<i>Ghoro</i>	...	...	...	161	...	Road over stony maidan, and cultivated plateaux, passed stone blocks with ibex engraved.						
16	Gol <i>E.—</i>	...	13	...	165	...	Road through fields for 3 miles, rounded parri by staircase road	.....	Gol cho	.....	S. F. G. T. moderate, W. plentiful.		Village.
	<i>Sermi</i>	...	...	...	169	...	through well cultivated fields of Sermi to Parkuta.	.....	.....	7673	.....		Junction of Shayok and Indus rivers.
	<i>Sermi</i>	...	...	...	172	4		.....	Murko cho.				
17	Parkuta <i>E.—</i>	...	12	4	177	4	Road through fields of Parkuta, across desert, through three vil-	.. ...	Kati cho	7870	S. F. G. W. and T. plentiful.		Large village and fort.
	<i>Ghahori</i>	...	...	...	185	4	lages, rounded parri with several staircases.	.....	Dumsum cho.				
	<i>Kumungo</i>	...	..	...	190	4		.....	.....	.....	... ..		Two old mosques.
18	Tolti	...	14	...	191	4	Road on both banks between Tolti and Khurmang, that on right bank more level and best.	Cross to right bank.	Indus rope bridge.	8450	S. F. G. W. and T. moderate.		Village and fort on left bank.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXVI	<i>ROUTE—contd.</i> ...	...	...	300	...						
19	Kartaksho or Khurmang ...	12	...	203	4	From Kartaksho to the Hannu cho the road is very rough and difficult, crossing many spurs and parris abutting on the Indus, involving steep ascents and descents.	Cross to right bank	Indus rope bridge. Gavis cho.	8340	S. F. G. W. and T. available.	Large village and fort on right bank.
	<i>Palpaldo</i> ...	...	...	208	...						
20	Hamzigund ...	16	4	220	...						
	<i>Marol</i> ...	...	...	223	4					S. and T. scanty, F. G. W. available.	Village opposite Tarkuta.
		...	...	228	...						
21	Grugurdo ...	18	...	238	...			Garggri cho	.....	Ditto	Village.
	<i>Ourdas</i> ...	...	...	243	...			.....	.....	...	Between Ourdas and Sanacha on left bank great gorge of Indus.
22	Garkhun ...	10	...	248	...			Barorow cho	.....	Ditto	Ditto.
	<i>Dah</i> ...	...	...	251	...			Dah cho.			
	<i>Phindoor</i> ...	...	...	254	...			Phindoor cho.			
23	Nubbibranskar or Lower Hanu ...	16	...	264	...	From Hannu cho to Leh the road is	.....	Hannu cho	.....	S. and T. nil, F. G. W. procurable,	Hamlet.

	<i>Achinathang</i>	...	...	...	270	...	fair throughout and passable for laden animals.	...	Broglow cho.				
24	Skirbichan <i>E.—</i>	...	14	...	278	...		.. ...	Kirbuchand cho.	.....	S. and T. scanty, F. G. W. procurable.	Village.	
	<i>Doomkhar</i>	...	...	...	284	...	.....	.....	Doomkhar cho.				
					292	...	Join main road from Srinagar to Leh.	.....	.....	.....	.....	Fort and bridge over Indus river.	
25	Khalsi <i>B.—</i>	...	16	.	294	...	Road through barren country, passing long mani mounds.	.....	Skining cho	10000	Ditto	Village.	
26	Nurla <i>B., E.—</i>	...	6	...	300	...	Good road passable for laden animals.	Up Indus valley right bank.	Phocha Drokpo	... ..	S. F. G. W. and T. moderate.	Ditto.	
27	Saspul <i>B., E.—</i>	...	14	6	314	6	New wooden bridge built over Indus river. Hence are two roads to Bazgo, take side valley N.-E. passing numerous chortens and inscribed rocks over plateau	.....	Saspul Drokpo	.....	S. and T. nil, F. G. W. available.	Small village and gonpa, cultivated basin.	
	<i>Bazgo</i>	...	...	...	322	2	crossed fertile side valley of Bago along stony slope to Nimu; thence stony desert to Phayang, where flowing	.. ...	Bazgo ..	11050	S. F. G. W. and T. procurable.	Large village.	
28	Nimu <i>B., E.—</i>	..	11	4	326	2		.....	Snemo ..	.....	S. F. G. W. and T. moderate.	Small village.	
	<i>Phayang B.</i>	..	...	...	337	2		.....	Lunachmo Foo.	.....	S. and T. nil, F. G. W. procurable.		
	<i>Pitak</i>	...	...	...	340	2		.....	.....	10500	.....	Village and Monastery.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE		TOTAL.							
		m.	f.	m.	f.						
LXVI	<i>ROUTE—contd.</i> ...	...	...	340	4						
29	Leh <i>P. O., B., C., E.—</i>	18	2	344	4	water among trees. At Pitak short turf, beyond strip of barren country and vast fan, on top of which are green fields of Leh.	... ..	.....	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak.

From Leh, there are routes on both sides of the Indus river to Hanle, and there are wooden bridges at Shushot, Marshalang and Yugu, which are passable for laden animals; also at Hemiya and Tirido, at the mouth of the Tiri ravine from the south. Above Mahiye opposite the mouth of the Puga river, the Indus is generally fordable.

30	Tikzay ...	13	...	357	4	Good road from Leh to Yugu. If transport of pack animals, cross Indus by Marshalang bridge and proceed by Puga road.	.....	Sabu ravine	11000	S. F. G. W. and T. plentiful.	Large village and Monastery, where there is a Skooshok or Mahatma.
	<i>Tunglaska</i>	362	Nang „				
	<i>Opposite Marshalang</i>	370	Chimray river.				
31	Yugu ...	16	4	374	...	.....	Ugu river	.....		S. F. G. W. and T. procurable.	Village.
32	Shera ...	11	...	385	...	Footmen only can carry loads over	.....	.....	.....	Ditto	Ditto.

	<i>Ikpa</i>	...	...	388	...	the precipitous parris or cliffs of the Rong defile between Hemiya and Mahiye.	.....	Ikpa ravine.			
	<i>Likche</i>	...	...	392	...		.....	Tugla „			
33	Hemiya	...	14	...	399	...	Cross to left bank.	Indus bridge	.....	S. T. moderate, F. G. W. plentiful.	Ditto.
	<i>Kyungyum on right bank</i>	...	...	...	404	..					
	<i>Tirido on left bank</i>	...	...	...	406	...	Cross to right bank.	Ditto	.....	...	Mouth of Tiri foo.
34	Gaik	...	14	...	413	...	.....	.....	.....	Ditto	Small village.
	<i>Kumdok</i>	...	...	...	416	...	.....	Kumdok foo.			
	<i>Ekkka</i>	...	...	...	421	...					
35	Gni	...	13	..	426	...	.....	Nia foo	.....	Ditto	Ditto.
					428	...	.....	Kaiser foo			
					430	...	.....	Yeh foo.	...		
					438	...	.....	Hot Spring.			
36	Chumathang	...	13	...	439	...	.....	Chumathang foo.	.....	Ditto	Ditto.
					451	..	.....	That foo	.....	...	Tso Yabe Lake 3 miles up this valley.
37	Mahiye	...	14	...	453	...	.....	Mahiye foo	13800	S. T. F. G. nil, W. available.	Hamlet.
	<i>Kakaru</i>	...	...	...	461	...	.....	Polalung foo.			
					466	...	.....	Nima foo.			
38	Nima Mud	...	16	...	469	...	.....	Gochin foo	14000	S. and T. nil, F. G. W. procurable.	Two small villages.
					470	...	.....	Gochang foo.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXVI	<i>ROUTE.—contd.</i>	...	...	470	...						
39	Nowi	10	...	479	..	From Nowi there are 3 routes up the Hanle valley, rough and stony in the defiles and easy over the plains. Care must be taken to select camps, where the water is not brackish.	Cross to left bank up Hanle valley by left bank.	Indus ford	13900	S. and T. nil, F. G. W. procurable.	Halting place.
	<i>Rhongo</i>	...	...	486	...			.. ...	.. ...	.....	Village.
40	Chumik	14	...	493	...		.....	Chumik ravine	.....	Ditto	Ditto mouth of ravine.
	<i>Mankhang plain</i>	...	...	500	...		.....	.....	.....	.....	Above Chibra village.
41	Sango plain	14	...	507	...		.....	Sangoisang	.....	Ditto	Halting place.
42	Hanle E.—	14	...	521	...	.....	.....	.....	14276	S. F. G. W. and T. moderate.	Village, large monastery and thana.

LXVII LEH to HARDWAR by TSO MORARI LAKE, SPITI and MASURI—

	Leh	...	...	0	...	Fair road from Leh to Puga, passable for pack animals, yaks chiefly employed.	Up Indus valley along right bank.	.. ...	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak.
1	Tikze E.—	12	...	12	...		.....	Sabu foo	11000	S. F. G. W. and T. plentiful.	Large village and monastery.

	<i>Tunglasha</i>	...	...	...	16 24	4 4	Between Hemiya and Kramang are precipitous parris and cliffs, which can be avoided by taking one of the routes up Tiri valley.	..... .....	Nang foo. Chimre foo.			
2	Yugu <i>E.—</i>	...	16	4	28	4		.....	Yugu foo	.....	S. F. G. W. and T. procurable.	Village.
3	Shera <i>E.—</i> <i>Likche</i>	...	11	4	40 43 47	... ... 4		..... ..... .....	Shera foo Ikpa foo. Tugla foo.	.....	Ditto	Ditto.
4	Hemiya on left bank <i>E.—</i>	...	14	...	51 54	... ...	Road along both banks of Indus river to Tirido.	Cross to left bank.	Indus bridge. Indus "	.....	S. T. moderate, F. G. W. plentiful.	Ditto.
	<i>Tirido</i>	...	...	...	62	...	.....	Cross to right bank.	Indus ford	.....	.....	Mouth of Tiri foo.
5	Gaik on right bank ... <i>E.—</i>	...	14	...	68	...	.....	.....	.....	.....	Ditto	Small village.
	<i>Kundok</i>	...	...	...	71	...	.....	.....	Kundok foo.			
	<i>Khatpa Thambo</i>	...	...	...	73	...	.....	.....	Khatpa Thamba foo	.....	.....	Path over Kiari La to Tsokar Chumo lake.
6	Kiare on left bank...	...	7	...	75	...	Road along both banks Indus river to Kramang.	Cross to left bank.	Indus ford	.....	S. T. nil, F. G. W. plentiful.	Ditto.
	<i>Gni on right bank</i>	...	...	...	81	...	.....	.....	Nia foo	.....	.....	On right bank opposite.
7	Kramang on left bank.	...	14	...	89 99	... ...	Leave Indus and ascend Kidmang foo ravine over Sildat La into the Puga valley and across two hill ranges to the Tso Kiagr.	..... Sildat La.	Indus ford	.....	Ditto	Hamlet.
8	Puga <i>E.—</i>	..	16	...	105 109 111	... ... ...		..... Nakpogoding La.	Puga ford ... Zobashi she foo.	15200 18000.	S. G. T. scarce. F. W. plentiful.	Village, hot springs, sulphur mines, borax fields.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXVII	<i>ROUTE—contd.</i>	...	...	111	...					
				115	...	.....	Lanak pass.			
				116	4	.....	.....	Tso Kiagr.	.....	Lake 1 mile east.
9	Shak sang	...	13	...	118	...	.....	.....	.....	S. and T. nil, G. F. W. available.
	<i>Peldo</i>	...	...	...	124	...	.....	Tso Morari	.....	.....
10	Karzok	...	11	...	129	...	Along western shore of Tso Morari lake.	Ditto	14900	S. and T. scanty, G. F. W. available.	
	<i>E.—</i>									Village and monastery.	

From Tirido 62 miles, a route branches off south-west up the Tiri valley by Tiri 66 miles, to Stazuema foo 72 miles, where it forks out up two ravines; the more western track ascends over the Shing bul La and descends southwards along the west side of the Tso kar plateau to Pongo Nagu 86 miles, and along western shore of Tso kar chumo lake to Rigul 94 miles on south side of lake. Hence southwards to Naru chan 106 miles, whence south eastwards over the Karum La 108 miles and down the Nugma foo to Nugma Ninda 119 miles, and then over the Karzok La 128 miles to Karzok 136 miles.

The more eastern track from Stazuema foo 72 miles goes up the other ravine over the Thasang La 76 miles and descends to the same plain on the east side to the Thugg Gondpa 86 miles; thence by Knangur on eastern side of the Tso kar chumo lake up the Pola Konka foo to Zukti 99 miles, and over the Polakonka La 16,300 feet 102 miles by Nakpo goding 109 miles, over the Nanak La 111 miles, and Lanak La 116 miles, to Shaksang 119 miles, on Tso Kiagr plain, Peldo 125 miles, and Karzok 130 miles.

Another track from Polakonka La 102 miles goes down the Puga valley to Puga 114 miles, and onwards to Mahiye 127 miles, where cross Indus by ford to right bank 13,800 feet. F. G. nil.

Another track from Puga to Nima Mud on the Indus is 12 miles in length.

11	Kiangdom <i>E.—</i>	...	14	...	143	...	Road fair to Narbu Sumdo.	.....	.....	14900	S. F. T. nil, G. W. scanty, lake water brackish.	South end of Tso Morari lake.
12	Narbu Sumdo	...	11	...	146 154	...	Road fair to Dutung crossing many spurs and ravines.	Up Parechu or Parang valley, right bank.	Phirse foo. Parechu ford	15300	S. F. T. nil, G. W. procurable.	
	<i>Umdung</i>	...	...	...	156	...						
13	Thukrote	...	18	...	172	..	.....	.....	.....	...	S. T. nil, F. G. W. available.	Halting place.
14	Dutung <i>E.—</i>	...	12	...	184		.....	.....	.....	16000	S. T. nil, F. G. W. procurable.	Ditto.
					189	...	Steep ascent and cross glacier, descent rocky and abrupt, impassable for horses.	Parang La down Spiti valley.	.....	18300.		
15	Jughtha <i>E.—</i>	...	10	...	194	...	.....	.....	.....	16000.	Ditto	Ditto.
					205	...	.....	.....	Parilung bi ford.			
16	Kiwar <i>E.—</i> <i>Ki</i>	...	12	...	206	...	... ..	.....	.....	13400	S. F. G. T. moderate, W plentiful.	Large Village.
					211	...	.....	.....	.....	.....	.....	Monastery.
					215	...	... ..	.....	Shilla ford.			
17	Kaja <i>E.—</i> <i>Lidang</i>	...	12	...	218	...	Road undulating and in part stony to Dankar.	.....	.....	.....	Ditto	Small Village.
					226	...						
18	Dankar <i>E.—</i>	...	16	...	234	...	If travelling the reverse way take supplies here and at Kiwar to last until Puga.	... ..	.....	12774	S. F. G. T. and W. plentiful.	Large Village and Monastery. Capital of Spiti.
					239	...	.....	Up Pin valley left bank.	Spiti bridge.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
LXVII ROUTE—contd.										
19	Sunam <i>E.—</i>	...	239	...	Fair road through sterile valley.	Cross to right bank.	Pin ford Kyokti ford.	.....	S. F. G. T. moderate, W. plentiful.	Large Village.
20	Muth <i>E.—</i>	8	260	...	.....	.....	.....	.....	S. and T. scanty, F. G. W. plentiful.	Small Village.
21	Buldur	13	273	...	.....	.....	...	.....	S. and T. nil, F. G. W. plentiful.	Hamlet.
22	Lursa	9	282	...	Ascent to pass very steep and stony near summit, descent easier.	.....	...	.....	Ditto	Halting place.
23	Pustirang <i>Muling</i>	10	292	...	Road through fine forest of firs.	Rhabeh pass Down Bhabeh Wangar valley.	.....	15000.	Ditto, F. nil	Ditto.
24	Yangpa	12	304	...	Descent from Yangpa to Wangtu very steep.	.....	.....	.....	S. and T. scarce, F. G. W. plentiful.	Village where scorpians abound.
25	Wangtu <i>E.—</i>	12	316	...	Cross Hindustan and Thibet road.	Cross Sutlej valley.	Sutlej bridge	5361	Ditto	Supplies from Sarhan.

From Wangtu there are several routes southwards towards Masuri, by the Shatul and Burand passes down the Pabar and Tonse Valleys, by the Rupin, Gonas and Nalgoon passes down the Rupin and Tonse Valleys and up the Baspa Valley, over the Neela pass and down the Ganges Valley. The Burand Pass route is as under :—

				316	...	Road fair and easy.	Up Sutlej valley left bank.					
26	Kilba ... <i>F. B.—</i>	...	12	...	328	.....	Up Baspa valley.	...	.....	S. and T. scanty, F. G. W. available.	Forest head-quarters.
	<i>Barang</i>	...	...	...	334	...					
27	Mulpani	...	10	...	338	Steep ascent and descent over rugged pass.	.....	.....	.....	S. and T. nil, F. G. W. available.	Halting place.
					343	.....	Burand pass	.....	15180.		
28	Litim	...	9	...	347	Fair road down valley.	Down Pabar valley along right bank.	.....	.....	Ditto	Ditto.
29	Jungli	...	10	...	357	.....	.....	.....	.....	Ditto	Hamlet.
30	Peyki	...	8	...	365	.....	.....	.....	.....	Ditto	Ditto.
31	Chergaon	...	9	...	374	Road from Shatul pass joins here.	.....	Andreti bridge	.. ..	S. F. G. W. and T. moderate.	Village at junction of Andreti river.
					378	.....	.....	Matreti	..		
32	Roru <i>E.—</i>	...	10	...	384	Road from Rampur over Soongri pass joins here.	.....	Sikni	..	S. F. G. W. and T. available.	Large village.
					390	.....	.....	Pursrar.			
33	Hant Kothi or Raiengarh.	...	8	...	392	Road from Fagu and Simla joins here.	.....	.....	.....	Ditto	Ditto.
34	Shalna	...	11	...	403	Road fair	.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.		DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
			INTER-MEDIATE.		TOTAL.							
	m.	f.	m.	f.								
LXVII ROUTE—contd.												
35	Jitar	...	8	...	411	...	Road from Simla to Masuri joins here.	.....	Tonse bridge at Tiuni.	.....	S. F. G. W. and T. available.	Below junction of Pabar and Tonse rivers.

From this point there appear to be two roads to Chakrata, one the forest route goes to Maindroth F.B., 416 miles, Katyan F. B., 426 miles on summit of Jakni Lena pass, Lokar F.B., 432 miles, Manali F.B., 436 miles, Deoband F.B., 445, and Chakrata D.B., 452 miles, which is 2½ miles beyond cantonment. The other ordinary route is as under :—

36	Kanda	...	10	...	421	...	Fair road for pack animals.	.....	.....	.....	S. F. G. W. and T. moderate.	Small village.
37	Bandraoli	...	11	...	432	...	.....	.....	.....	.....	Ditto	Ditto.
38	Deoband	...	10	...	442	...	.....	.....	.....	9000	Ditto	Ditto, Forest head quarters.
39	Chukrata <i>P.O., T.O., D.B., C., E.</i>	...	7	...	449	...	.....	.....	.....	7000	S. F. G. W. and T. plentiful.	Military cantonment and bazar.

From Chukrata there is a road southwards to Saharunpore, passable for carts, 81½ miles long: the stages are Karbeah 9 miles, Saiah B., 9 miles, Kalsi B., 12½ miles (where a suspension bridge over river Jumna) cross Asan river, Futhipur B., 10½ miles, over Timli pass of Siwalik range, Badshah Bagh 12 miles, Kalsea B., 14 miles, Saharunpur, N. W. Railway Station, D.B., 14½ miles.

40	Shevalia <i>D. B.—</i>	...	11	...	460	...	Bridle road passable for laden animals down hill to the Jumna and thence up hill to Masuri.	Along mountain ridge, crossing the Jumna river.	.....	.....	S. F. G. W. and T. moderate.	Small village.
	<i>Nagtat B.</i>	...	...	...	463	...			.....	.....	.....	On summit of ridge.
41	Lakwar <i>D. B.—</i>	...	11	...	471	...	.....	.....	.....	.....	Ditto	Ditto.
					475	...	.....	.....	.....	Jumna bridge iron suspension.		
					480	...	.....	.....	.....	.....	.....	Kempti falls.
42	Masuri <i>P. O., T. O., Hotels, C., E.—</i>	...	15	...	486	...	Good bridle road passable for laden animals down hill to Rajpore.	.....	.....	{ 6590 } 7133	S. F. G. and T. abundant, water supply limited.	Military and Civil Sanitarium, convalescent depot.
	<i>Rajpore Hotels—</i>	...	...	...	493	...	Cart-road metalled hence to Dehra and Saharunpore.	.....	.....	2996	S. F. G. W. and T. moderate.	Large village.
43	Dehra <i>P. O., T. O., Hotels, C., E.—</i>	...	14	...	500	...	Earthen cart-road to Hardwar, very rough in places, crossing stony beds of rivers.	Through Eastern Dun.	.....	2347	S. F. G. W. and T. abundant.	Military Cantonment, Civil Station, Town, Bazar, head-quarters of district.
44	Lachiwala <i>B.—</i>	...	11	4	511	4	.....	.....	.....	1680	S. and T. nil, F. G. W. available.	Hanlet.
					519	...	.....	.....	.....	Suswa bridge.		
45	Kunsrao <i>B., F., B.—</i>	...	8	4	520	...	.....	.....	.....	1360	Ditto	Forest head-quarters.
					527	...	.....	.....	.....	Motichoor ford.		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		<i>m.</i>	<i>f.</i>	<i>m.</i>	<i>f.</i>						
LXVII	<i>ROUTE—contd.</i>	...	...	527	...						
46	Hardwar <i>P. O., T. O., Canal B., C., E.—</i>	11	...	531	...	Situated on right bank of Ganges river, where it issues through the Siwalik hills.	.....	.....	1050	S. F. G. W. and T. abundant.	Town, bazar, bathing ghats, celebrated place of pilgrimage.

LXVIIa SPITI to HARDWAR by GANGES VALLEY and MASURI—

18	Dankar <i>E.—</i>	...	...	...	234	..	Road fair down Spiti valley left bank, undulating, crossing many spurs and shaly slopes.	Down Spiti valley left bank.	.....	12774	S. F. G. W. and T. procurable.	Village, fort and monastery. Capital of Spiti.
					237	...		.....	.....	.....	.....	Road to Manirang pass. Village.
19	Pokh	...	9	5	243	5	.. ..	...	.....	.....	Ditto	
20	Tabo	...	6	5	250	2	Road stony, crossing high spurs at both ends of stage.	.....	.....	.. ..	S. and T. very scarce, F. G. W. available.	Hamlet and monastery.
	<i>Lari</i>	...	...	...	253	...						

21	Somra	...	8	1	258	3	Road fair, easy ascent and descent over pass.	Cross to right bank.	Spiti ford	.....	Ditto	Village on right bank of Spiti river.
					263	4	.....	Lepcha ghat cross to left bank.	.....	13628.		Fort.
22	<i>Shalkar</i> Chango <i>E.—</i>	...	13	5	272	...	.....	.....	Spiti bridge	.....	S. F. G. W. and T. procurable.	Large village on left bank Spiti river.

Another track starts from Peldo at the north end of the Tso Morari Lake 124 miles down the eastern shore to Lunk Serma 136 miles; thence eastwards crossing Chagarchan La 145 miles, to Ooti 149 miles, whence southwards along the Tegasung plain to Chumar 165 miles 14,600 feet, and down the Parachu valley to Chepzi 177 miles, on the border of Chinese Thibet, entering which Kyuntsang 185 miles, Chagya Sumdo 197 miles, Zampa 205 miles, Karak 212 miles, Sunyal 227 miles, are passed and crossing the border again into British territory, Kuri 238 miles, crossing Parachu river at Shugar by natural bridge of rock to Changrezing 249 miles, and over Changrang La to Chango 257 miles. From Somra 258 miles 3 furlongs, another track follows down the Spiti valley to Huling 264 miles, and crossing the Parachu by the rock bridge at Shugar 274 miles, to Changrezing 280 miles, and Chango 288 miles.

23	Naku	...	10	...	282	...	Road fair along course of Spiti river.	.....	.....	11975	S. and T. scarce, F. G. W. available.	Small village on left bank Spiti river.
					284	4	.....	Cross to right bank.	Spiti bridge.			
24	Lio	...	4	...	286	...	Road commences by a steep zigzag and is then fairly level.	.....	.....	9600	S. F. G. W. and T. procurable.	Village on right bank Spiti river.
25	Hangu <i>E.—</i>	...	8	...	294	...	Easy ascent to and descent from pass, crossing streams several times.	...	...	11500	S. and T. scarce, F. G. W. available.	Small village.
					300	...	.....	Hungerang pass.	.....	14530.		
26	Sungnum	...	12	...	306	...	.....	.....	.....	9020	S. F. G. W. and T. procurable.	Large village, monastery.

19 There is a more direct track from Dankar 234 miles, by crossing the Spiti river to Mani 242 miles, by Sozona Lake 246 miles, the Manirang pass 18,600 feet 253 miles, and down the Thanam valley to Pamachang 260 miles, Rupa 269 miles, and Sungnum 276 miles. This pass is, however, very high and covered by snow; through supplies and coolies necessary.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
	LXVIIa ROUTE—contd.	...	...	306	...				
				307	4				
				313	.....	.....	14354.		
	<i>Tabang E., good</i> ...	...	...	318	.....	.....	10000.		
27	Labrang ...	14	...	320	...	.....	9000	S. and T. scarce, G. F. W. available.	Village.
	<i>E., bad, stony on slant</i>	...	...	322	.....	.....	
	<i>Kola</i> ...	...	...	326	.....	.....	
				327	.....	.....	
				327	Present terminus of Hindustan and Thibet road.	.....	9000	Ditto	Ditto, copper prayer wheel.
28	Jangi ...	11	...	331	...	.....	
	<i>B.—</i>	...	...	335	Road passes through immense blocks of granite, and through deodar forest.	.....	.....	.....	Vines grow here.
	<i>Akpa</i> ...	...	...	335	.....	.....	
29	Rarang ...	7	...	338	...	.....	9068	Ditto	Village, bridge over Sutlej connects with road on left bank.
	<i>E.—</i>	...	...	343	Road level for 2 miles, then steep ascent followed by steep descent and level for 3 miles to Pangi	Cross to left bank either at Rarang by wooden bridge or at Poari by Jhula bridge.			
				343	.....	Kozang bridge.			

30	Pangi <i>B.—</i>	...	8	...	346	...	Here leave Hindustan and Thibet road, steep descent to the Sutlej river, cross Jhula bridge and ascend by Poari to Barang.	.....	.....	8950	S. F. G. W. and T. procurable.	Ditto, pilgrim shrine on Piri peak 14,000 feet.
31	Poari	...	7	...	353	...	Steepest ascent followed by level to Meibar, ascend to pass, then rough descent into Baspa valley.	.....	Sutlej Jhula bridge.	.....	Ditto	Ditto.
32	Barang <i>Meibar</i>	...	10	...	363	...	At Sangla road from Kilba joins and goes up the Rupin pass into the Tonse valley.	.....	.....	.....	S. and T. scanty, ditto.	Ditto.
33	Sangla <i>Rakham</i>	...	16	...	379	..	At Sangla road from Kilba joins and goes up the Rupin pass into the Tonse valley.	Baikart spur. Up Baspa valley right bank.	.....	12000.	S. F. G. W. and T. available.	Ditto, take supplies here for onward journey to Derali.
		...		...	387	...	At Sangla road from Kilba joins and goes up the Rupin pass into the Tonse valley.	.....	.....	10445.		
34	Chitkul	...	16	...	395	...	Road from Sangla through Chitkul and Suancho to Nithal very rough, crossing many spurs and ravines.	.....	.....	11400	S. and T. nil, F. G. W. available.	Hamlet highest in valley.
35	Suancho <i>Dunti</i>	...	10	...	405	...	At Nithal junction of 2 valleys, eastwards over Gugurang pass into Thibet, southwards over Neela pass, ascend glacier and steep	.....	Baspa bed forded several times.	13900	Ditto	Halting place.
		...		...	413	...		.....	.....	.....	.....	Large plain.
36	Nithal	...	14	...	419	...		.....	.....	.....	Ditto	Ditto.
		...		...	427	...		Neela pass	.....	18000.		
37	Karkuti	...	18	...	437	...		.....	.....	.....	Ditto	Hamlet.
		...		...	450	...		.....	Bhagirati bridge.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXVII	<i>a ROUTE—contd.</i>	...	...	450	...						
38	Derali <i>B.—</i>	16	...	453	...	snow field to summit, descend 2 miles to stream and along latter to Karkuti, follow same stream to the Bhagirati river.	.....	.....	.....	S. and T. scanty, F. G. W. available.	Village.

At 450 miles join the Forest road in Ganges valley. The route upwards from Derali goes to the Janjala F. B., 457½ miles; thence crossing the Jad Gunga or Nilang river from the Nilang pass, above its junction with the Bhagirati, the road ascends the latter valley to Gangotri temple 10,150 feet 472 miles, and to Gan Mukh 16,000 feet 488 miles, at the mouth of the great Gangotri glacier. Take supplies at Derali. The route down the Ganges or Bhagirati valley from the Ganges bridge at 450 miles is as under:—

	<i>Hursil</i>	...	...	450	...	Road good but narrow.	Down Ganges or Bhagirati valley on right bank.	Bhagirati bridge.	.....	8200	.....	Mr. Wilson's bungalow.
39	Jala <i>B. C., E.—</i>	6	...	456	...	.....	.....	.....	.....	8200	.....	Village. From Jala to Batwari, river confined in narrow gorge.
	<i>Suki</i>	...	...	465	...	Route to Jumnotri via Bandarpunch.	Suki bridge	.....	.....	8800	S. scarce, F. G. T. W. available.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXVII^a	<i>ROUTE—contd.</i>	...	...	538	...					
47	Bhala <i>E.—</i>	10	...	541	...	.....	Cross Aglar valley.	.....	5700	S. F. G. W. and T. available.
48	Phedi <i>E.—</i>	12	...	553	...	.....	.....	.....	.....	Ditto
	<i>Suskoali</i>	...	...	558	...	Join here Masuri and Tiri road.	Along mountain ridge.	.....	.....	.....
	<i>Landaur</i>	...	...	564	...	.....	.....	.....	7000	.....
49	Masuri <i>P. O., T. O., Hotels, C., E.</i>	14	...	567	...	.....	Down hill to Dun.	.....	6500	S. F. G. W. and T. abundant.
	<i>Rajpore, Hotels</i>	...	...	574	...	Join here cart-road through Dehra to Hardwar.	.....	.....	.....	.....
50	Dehra <i>P. O., T. O., Hotels, C., E.</i>	14	...	581	...	.....	Through Eastern Dun.	.....	2150	Ditto
53	Hardwar <i>P. O., T. O., D. B., C., E.</i>	21	...	612	...	.....	.....	.....	965	Ditto
										Chief place of pilgrimage in Northern India. Terminus of branch from Oudh and Rohilkhund Railway.	

The Forest road continues from 527 miles to Chanu 533 miles 2,700 feet, Kaliasera 544 miles 4,200 feet, Baur 552 miles 4,700 feet, Kandia Gali B., 559 miles 6,800 feet, Kana Tal 565 miles 8,000 feet, Dhanaulti B., 573 miles 7,600 feet, Jalki 582 miles, Masuri 589 miles 6,500 feet. From 542 miles, there is a direct road to Tiri, the capital of Gurliwal, and a path hence down the Bhagirati valley to Deopryag, junction of the Aluknanda river, and hence down the Ganges valley to Hardwar.

LXVIII LEH to SIMLA by SPITI—

1 to 25	Leh <i>P. O., B. C, E.—</i>	0	..	See Route LXVI by Tso Morari Lake and Spiti to the Sutlej valley, where the Hindustan and Thibet road is joined. Take supplies from Leh to Dankar, and from Dankar to Sarhan.
	Wangtu <i>E.—</i>	316	...	

From Wangtu upwards this road goes along the right bank of the Sutlej by Chagaon 7 miles, Urni B., 9½ miles 7,900 feet, Rogi B., 20 miles, 9,361 feet, Chini 23 miles 9,196 feet, Paugi B., 30 miles 8,950 feet, Rarang 38 miles 9,068 feet, Akpa 41 miles, Jangi B., 45 miles 9,000 feet, end of road 49 miles, whence rough hill track continues by Kola 54 miles, Labrang 56 miles 9,006 feet, Tabang 58 miles, Runang pass 63 miles, 14,354 feet, Thauam bridge 69 miles, Sungnum 70 miles 8,000 feet, Shaso 74 miles, Charling La 80 miles 14,600 feet, Pooi 90 miles 10,000 feet, bridge over Sutlej river 91 miles, Dubling 95 miles, Khalb 100 miles, Nangea 101 miles 10,000 feet, Nangea Dogri 103 miles, cross two ridges of Kung ma La 108 miles 15,500 feet, to Shipki 112 miles 10,000 feet, a large Tartar village on the frontier of Chinese Thibet.

From Wangtu, after crossing the wooden bridge over the Sutlej river, this road continues down the left bank of the Sutlej valley as under :—

25	Wangtu <i>B.—</i>	...	...	...	316	...	Good road 6 feet wide bridged throughout and passable for laden animals.	Down Sutlej valley left bank.	.....	5361	S. and T. scarce, F. G. W. plentiful	Supplies from Sarhan.
26	Nachar <i>B., E.—</i>	...	3	...	319	...	.....	.....	.....	7125	Ditto	Hamlet.
27	Paunda <i>B.—</i>	...	4	4	323	4	.....	.....	.....	6124	Ditto	Ditto.
28	Taranda <i>B.—</i>	...	4	4	325 328	...	..... Through fine deodar and elm forest	..... .....	..... Bridge.	7015	Ditto	Ditto in Kunawar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXVIII	ROUTE—contd.	...	...	328	...	...	...	...	...
	<i>Manaspur</i>	...	...	329	...	...	...	...	...
		...	...	330	.....	.....	.....	.....	.....
	<i>Dralli Cliffs</i>	...	...	336	.....	.....	.....	.....	.....
29	Sarhan	14	...	342	.....	.....	6713	S. F. G. W. and T. moderate.	Large village in Bissahir.
	<i>B—</i>	...	...	345	Upper forest road through Soongri branches off here.	.....	.....	.....	.....
		...	...	347	.....	Manglad bridge.	.....	.....	.....
30	Gaura	10	4	352	4	Regular road descends through Gaura to Rampur.	6512	S. and T. scarce, F. G. W. plentiful.	Village.
	<i>B.—</i>	...	...	...	...	.....	.....	.....	.....
31	Rampur	6	4	359	...	Good road bridged throughout and passable for laden animals.	3870	S. F. G. W. and T. plentiful.	Town and capital of Bissahir State. D. B. one mile north of city.
	<i>P. O., D. B., C.—</i>	...	...	...	Down Sotlej valley left bank.	.....	.....	.....	.....
	<i>Rampur City—</i>	...	...	360	.....	.....	.....	.....	.....
32	Nogri	13	...	372	.....	.....	.....	S. and T. scanty, F. G. W. available.	Hamlet.
		...	...	377	.....	.....	.....	.....	.....
		...	...	379	.....	.....	.....	.....	.....
33	Nirit	7	...	379	.....	.....	3660	Litto	Ditto.
		...	...	381	.....	.....	.....	.....	.....
		...	...	.....	.....	Dera	.....	.....	.....

34	Kotgarh <i>P. O., D. B.—</i>	10	...	389	...	.....	.....	.....	5600	S. F. G. W. and T. plentiful.	Tehsil, Mission Station and tea gardens.
				396	...	High level road from Bagi joins in here, whence excellent road 10 feet wide fully bridged to Simla.					
35	Nagkunda <i>P. O., D. B.—</i>	10	6	399	6		Leave Sutlej valley and follow to of mountain range to Simla.	.....	8700	S. F. G. and T. moderate, W. scarce.	Small bazar.
36	Mattiana <i>P. O., D. B.—</i>	11	..	410	6	.....	.....	...	7690	S. scanty, F. G. W. and T. available.	Village.
37	Theog <i>D. B.—</i>	11	2	422	...	.....	.....	.....	7420	S. F. G. T. procurable, W. scanty.	Hamlet.
38	Fagu <i>P. O., D. B.—</i>	5	6	427	6	.....	.....	.....	8170	S. F. G. W. and T. moderate.	Ditto. Road to Chor Peak and Masuri branches off here.
	<i>Pokri bazar</i>	...	...	431	4						
	<i>Mohasu neck</i>	...	...	433	6						
	<i>Mashobra toll bar</i>	...	...	436	4						
	<i>Tunnel</i>	...	...	438	...	.....	.....	500 feet long.			
	<i>Sanjoli bazar</i>	...	...	437	6						
	<i>Lukha bazar</i>	...	...	439	2						
39	Simla <i>P. O., T. O., Hotel, C.</i>	12	...	439	6	Carriage road me- talled and brid- ged from Simla to Kalka. Tonga Service.	.....	.....	7200	S. F. G. and T. abundant, W. scanty in dry season.	Sanitarium and summer capital of India. Town, large bazar. Palace of H. E. the Viceroy of India.
	<i>Kiarighat</i> <i>D. B.—</i>	...	...	455	6						
	Solon <i>P. O., T. O., D. B., C., E small—</i>	31	...	470	6	.....	.....	.....	5000	S. F. G. W. and T. available.	Village and bazar, small cantonment and brewery.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER-MEDIATE. m. f.	TOTAL. m. f.							
LXVIII	<i>ROUTE—contd.</i> ...	...	...	470	6				
	<i>Dharampur D. B.—</i> ..	...	...	482	6				
	Kalka ... <i>P. O., T. O., D. B., Hotel, C., E.—</i>	27	...	497	6	Hence by rail to Umballa.	2200	S. F. G. W. and T. plentiful.	Large village and terminus of branch railway from Delhi and Umballa.
	Umballa ...	39	...	536	6	1040	Large Military Cantonment and Civil Station.

At 345 miles another or high level road ascends the Manglad stream which it crosses by a bridge at 348 miles, gradual ascent through forest scenery by Moshun 351 miles, to Darun B., 356 miles; thence by Tola 360 miles and Nagri bridge 363 miles to Tach; lech F. B., 366 miles, ascends through fine forest to crest of ridge 371 miles, then level to Bhali B., 376 miles, continues through fine forest to Soonghi B., 386 miles, situated on the ridge where the road from Rampur crosses the neck and descends into the Pabar and Tonso valleys; thence along the ridge to Kudreli F. B., 395 miles, Bagi D. B., 404 miles, and through fine forest under Hatu Pir 11,000 feet, to Nagkunda D. B., 416 miles, where rejoin regular Hindustan and Thibet road.

LXIX LEH to SIMLA by RUPSHU and SPITI—

Leh <i>P. O., D. B., C., E.—</i>	Road heavy, but passable for laden animals; yaks	Up Indus valley, cross to left bank.	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak. Take
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				6 ...	mostly used.	Indus bridge	10560		supplies hence to Spiti.
1	Chushot <i>B., E.—</i>	... 12 ...	12 ...	12 ...	Road over sandy desert, with a few green patches.	S. F. G. W. and T. plentiful.	Village, much cul- tivation.
	<i>Himis Gonpa</i>	... ..	.. ..	23 ...	.....	.. ..	.....	.. ..	.....	Monastery.
2	Machalong <i>B., E.—</i>	... 13 ...	25 ...	25 ...	.....	.....	Shang bridge	.. ..	Ditto	Village.
3	Upshi <i>B., E.—</i>	... 10 ..	35 ...	35 ...	.....	Up Gya ravine	.....	.....	S. F. G. W. and T. moderate.	Ditto.
	<i>Miru</i>	... ..	... ..	43 ...						
	<i>Latho</i>	... ..	... ..	49 ...						
4	Gya <i>E.—</i> <i>Tarnak</i>	... 18 ...	53 ...	53 ...	Steep and stony ascent and des- cent over pass.	.....	.....	13500	S. and T. nil, F. G. W. available.	Camping ground.
				67 ...	.....	Taga Lung La. Down Deb- ring ravine.	.....	17500.		
5	Debring <i>E.—</i>	... 19 ...	72 ...	72 ...	.....	.....	.....	.....	Ditto	Ditto.
				77 ...	Road sandy over long plateau in Rupshu.	.. ..	Debring ford	.....	.....	Branch route by Zara to Zanskar.
6	Rogchin or Ruk- chen <i>E.—</i>	... 16 ...	88 ..	88 ..		Up Rukchen ravine and over Khiang chu maidan.	.....	15000	Ditto	Camping ground.
	<i>Morechu</i> <i>E.—</i>	... ..	... ..	99 ...	.....	.....	.....	.....	.....	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXIX	<i>ROUTE—contd.</i>	...	99	...	...	...	...	...	...
7	Sumkyil <i>E.—</i>	23	111	Road rough, ascent over two ridges of pass easy, descent stiff.	...	Crossed 3 streams.	...	S. F. T. nil, G. W. available.	Camping ground.
			127		Lachalung La. Up Tsarap valley.	.....	16600		
8	Sumdu <i>E.—</i>	20	131	.....	.....	.....	.....	Ditto	Ditto.
	<i>Gian</i>	...	139	.....	.....	.....	.....	.....	Junction of Tsarap river.
			148	.....	.....	Tsarap ford	.....	...	Bridge 4 miles off.
9	Sarchu Lingti <i>E.—</i>	20	151	Road easy and level.	Up Yunan valley.	...	.....	Ditto	Ditto.
	<i>Phalang Danda</i>	...	155	.....	.....	.....	.....	.....	.....
10	Kilang <i>E.—</i>	11	162	Long and easy ascent to pass.	...	.....	.....	Ditto	Ditto.
			165	.. ..	.....	Yunan Tso	.....	.....	Lake
			174	.. ..	Bara Jacha pass, down Chandra valley left bank.	.....	16200	.....	.....

11	Topo <i>E.—</i>	...	18	...	180	...	Road rough and difficult.	.....	Chandra nala	.....	S. and T. nil, F. G. W. available.	Ditto.
12	Topo Koma <i>E.—</i>	...	9	...	189	...	.....	.....	.....	.....	Ditto	Ditto.
13	Chandra Dul	...	14	...	203	...	.....	.....	Sum Chikma lake.	.. ..	S. and T. nil, F. G. W. available.	Camping ground.
					210	...	.....	Kunzam pass. Down Spiti valley right bank.	.. ..	14930	.....	Ibex ground.
14	Lichu	...	10	...	213	...	.....	.....	.....	.....	Ditto	Ditto.
15	Lusar <i>Hansi</i>	...	9	...	222	...	Road good along high table-land.	Cross to left bank	Spiti ford	... 13395	S. F. G. W. and T. moderate.	Village.
					229	...	.....	.....	.....	.....	.....	.....
16	Kioto	...	10	...	232	...	.....	.....	.....	.....	S. and T. scanty, F. G. W. procurable.	Small village.
					234	...	.....	Cross to right bank.	Spiti ford	.....	.. ..	Junction of Lagudarsi river.
17	Hal	...	11	...	243	...	Road good along high table-land.	.. ..	Gyundi ford	.....	S. F. G. W. and T. procurable.	Village.
18	Rangrik <i>Kaja</i>	...	10	...	253	...	.....	Cross to left bank.	Spiti bridge	... ..	Ditto	Ditto.
					257	...	.....	.....	.....	.....	.....
19	Lidang	...	12	...	265	...	Road fair	.....	.....	.....	S. and T. scarce, F. G. W. available.	Ditto.
					271	...	.....	Cross to right bank, up Pin valley on left bank.	Spiti bridge.	.....	.....	.....
					273	...	.....	.....	.....	.....	.....	Junction of Pin and Spiti rivers.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXIX	<i>ROUTE—contd.</i>	...	...	273							
20	Sunam	...	16	...	281	.....	.....	Parachu bridge. Pin "	.....	S. F. G. W. and T. moderate.	Large village.
	<i>Tilung</i>	...	...	...	285	.....	.....	Ditto.			
21	Muth	...	8	...	289	Road fair up wide shingly bed of Pin river.	.....	Ditto	.....	S. and T. scanty, F. G. W. available	Small village.
	<i>Buldur</i>	...	...	...	302						
22	Lyrsa	...	22	...	311	.....	.....	.....	.....	S. and T. nil, F. G. W. plentiful.	Halting place.
23	Ptiasa	...	12	...	323	.. ..	Bhabehe pass. Down Sutlej valley.	.....	15000	S. F. T. nil, G. W. plentiful.	Ditto.
	<i>Mulling</i>	..	...	...	327	...	.....	.....	.....	S. and T. nil, F. G. W. plentiful.	Ditto.
24	Yangpa	...	10	..	333	.....	.....	.....	.....	S. and T. scarce, F. G. W. procurable.	Village
	<i>Wangtu B.—</i>	...	...	...	345	Join Hindustan and Thibet road to Simla.	Cross to left bank.	Sutlej bridge	5361.		

25	Nachar B., E.—	...	15	...	348	...	.....	.....	7125	S. and T. scarce, F. G. W. plentiful.	Supplies from Sar han.
29	Rampur P. O., D. B., E.—	...	40	...	388	...	See previous Route	LXVIIIa between Stages	25 & 30.		
33	Nagkunda P. O., D. B., E.—	...	41	...	429	...	.....	.....	8700.		
37	Simla P. O., T. O., Hotels, C. E.—	...	40	...	469	...	Carriage road bridged and me- talled from Simla to Kalka. Tonga service.	.....	7200.		
	Solon	...	31	...	500	...	By Delhi-Umballa and Kalka Rail- way.	.....	5000.		
	Kalka	...	27	...	527	...	.....	.....	2200.		
	Umballa	...	39	...	566	...	.....	.....	1040.		

LXX LEH to SIMLA by LAHOUL and KULU—

1	Leh P. O., D. B., C., E.—	...	...	...	...	...	Road heavy, but passable for laden animals.	.....	.....	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak. Take supplies to Kail- ling.
	Chushot B., E.— Hemis	...	12	...	12	...	.....	Up Indus valley, cross to left bank.	Indus bridge	10500.	S. F. G. W. and T. plentiful.	Village, much culti- vation. Monastery.
2	Machalong B., E.—	...	13	...	25	...	Road sandy with a few green patches.	.....	Shang bridge.	.....	Ditto	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXX	<i>ROUTE—contd.</i>	13	...	25	...						
3	Upshi <i>B., E.—</i> <i>Miru</i>	10	...	35	...	.....	Up Gya ravine	.. ..	.....	S. F. G. W. and T. moderate.	Village.
4	Gya <i>E.—</i> <i>Tiarnak</i>	18	...	53	...	Steep and stony ascent and descent over pass.	.....	.. ..	13500	S. and T. nil, F. G. W. available.	Camping ground.
				63	..	.....	Tagalung La.	.....	17500.		
				67	..	.....	Down Debring ravine.	.....		
5	Debring <i>E.—</i>	19	...	72	..	.....	.....	.. ..	.....	Ditto	Ditto.
				77	...	.....	.....	Debring ford	.....	.....	Here leave route to Lachalung La.
6	Zara <i>E.—</i>	7	...	79	...	Road sandy along wide valley.	Down Zara valley.	.....	.....	S. F. T. nil, G. W. available.	Tartar camp.
7	Sangtha	14	...	93	...	.....	.....	.....	.....	Ditto	Ditto.
8	Loon	9	...	102	...	Road through river gorge.	Up ravine	.....	.....	Ditto	Ditto.
				114	...	.....	Marang La.	.....		
9	Takh	18	...	120	...	.....	Up Tsarap valley.	.....	.....	S. and T. nil, F. G. W. available.	Hamlet.

				126	.....	.....	Hot spring.		
10	Loon toon nu	...	9	...	129	.....	.....	S. F. T. nil, G. W. available.	Camping ground.
	<i>E.—</i>	...							
	<i>Gian</i>	...	...	...	133	.....	Junction of road from Lachalung La.		
					143	.....	.....	Tsarap ford	.....
11	Sarchu Lingti	...	16	...	145	.....	Road easy and level.	Up Yunan valley.	.....
	<i>E.—</i>	...							.....
	<i>Phalang Danda</i>	...	...	...	148	4	.....	.....	Ditto
12	Kilang	...	11	...	156	.....	Long and easy ascent to pass.	.....	Yunan bridge
	<i>E.—</i>				159	.....	.....	.....	Yunan Tso Lake.
					165	.....	.....	Bara Lacha pass.	.....
					167	.....	Road good down hill.	.....	Suruj Dul Lake.
					171	.....	.....	.....	Bhaga bridge.
13	Zing Zing bar	...	17	...	173	.....	.....	.....	.....
	<i>E.—</i>	...							Ditto
	<i>Tapachand</i>	...	...	...	175	.....	.....	.....	13060.
14	Patsio	...	9	...	182	.....	Road fair and pass- able for laden animals.	Down Bhaga valley right bank.	Bhaga bridge
	<i>C.—</i>								12464
15	Darcha	...	9	...	191	.....	Road level and good, but very dusty all the way to Kailing.	.....	.....
					192	.....	.....	.....	10844
								Kada Tokpo bridge.	
16	Kulang	...	10	...	201	.....	Winding road down hill.	.....	.....
								
									Ditto, F. scarce
									Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.		
		INTER-MEDIATE. m. f.	TOTAL. m. f.								
LXX	<i>ROUTE—contd.</i>	...	...	201	...						
17	Kailing or Kardang. <i>P. O., B.—</i>	13	...	214	...	Road good and easy with many ups and downs. Shady from willow trees planted for 4 miles from Kailing.	Up Chandra valley right bank.	Bhaga bridge	10100	S. F. G. W. and T. moderate.	Capital of Lahoul, Moravian Mission.
18	Gundla <i>B., E.—</i>	...	12	...	226	...	.....	2 hill torrents bridged.	10300	S. F. G. W. T. available.	Village.
19	Sisu <i>E.—</i>	...	9	...	235	.....	.....	Sisu bridge, 5 hill torrents crossed by bridges.	9938	S. F. and T. scarce, G. and W. procurable.	Small village.
20	Koksar <i>B., E.—</i>	...	13	...	248	...	.....	Chandra bridge.	10260	S. F. and T. scanty, G. and W. plentiful.	Village.
				253	...	Ascent and descent of pass very steep, very cold and high wind after 9 A.M.	Rotang pass. Down Beas valley right bank.	.....	13500	...	This stage 14 miles long by regular mule road.
21	Rahla	...	10	...	258	...	.....	.....	9000	S. and T. nil, F. G. W. available.	Hamlet.
	<i>Pulchun</i>	...	...	...	261	...	.....	Solung bridge.			
	<i>Burwa E.</i>	...	...	...	263	...	.....	.....	.....	S. and T. available	Village on plain.

22	Manali <i>B., E.—</i>	...	10	...	268 277	..... .....	.....	Manali bridge. Kuish "	.....	.....	Ditto.
23	Katrain <i>B., E.—</i>	...	13	...	281	.....	.....	Dobi "	4723	S. F. G. W. and T. available.	Village.
24	Sultanpur <i>P. O., D. B., E.—</i>	...	12	...	285 287 293	..... ..... Bridle road made and bridged throughout all the way to Nagkunda.	.....	Raison Bandrol Beas "	4092	S. F. G. W. and T. plentiful.	Capital of Kulu. Town, bazar, tehsil and police thana.
25	Bajaora <i>B., E.—</i>	....	9	...	302	.....	.....	Ditto "	3573	S. F. G. W. and T. procurable.	Small bazar and old ruined fort.
	<i>Badool</i>	...	...	...	305	.....	.....	Beas "			
26	Larji <i>B., E.—</i>	...	12	...	314 316	A new and more direct bridle road is being made by the Raja of Mandi to connect Mandi with Simla, starting from Manglaor.	Up Chata valley, cross to left bank.	Synj Chata "	.....	Ditto after notice	Hamlet at junction of Synj and Chata rivers.
27	Manglaor <i>B., E.—</i>	...	8	...	322 324	.....	Right bank	Ditto "	3710 5718	S. F. G. W. and T. moderate.	Small village.
	<i>Plach P. O.—</i>	...	...	...	325	.....	.....	Ditto "	.....	.....	Large village and tehsil.
28	Jibi	...	9	...	331 338	Good climb up hill through woods with pheasants. .....	.....	.....	5860	Ditto after notice	Small village.
		...	...	...	342	.....	Jalaori pass. Down Arni valley.	.....	10600.		
29	Kot ... <i>B., E.—</i>	..	11	...	342	Road along west side of hill, cool in morning, steep drop down to nala half way and correspond- ing rise.	.....	.....	7750	S. F. G. W. and T. moderate.	Ditto.
30	Chowai <i>B.—</i>	...	9	...	351	.....	.....	Arni bridge	6162	S. F. G. W. and T. plentiful.	Cluster of villages.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXX	<i>ROUTE.—contd</i> ...	...	...	351	...					
				356	...	Road uphill to pass, lovely views.	Cross spur, descent into Sulej valley.				
31	Dularsh <i>P. O., B.—</i> ...	8	...	359	...	Long drop down to the Sulej bridge 2 hours by pagdandi, similar climb up by short cut on south side.	.....	.....	S. F. G. W. and T. moderate.	Village.
				364	...		.....	Sulej bridge	.....	Called Lori.
32	Komarsen <i>B.—</i> ...	9	...	368	...	.....	.....	.....	Ditto	Large village.
33	Nagkunda <i>P. O., D. B.—</i> ...	7	..	375	...	Long ascent uphill to join Hindustan and Thibet road, in excellent order along the mountain ridge to Simla.	Leave Sulej valley and follow top of mountain range to Simla.	8700	S. F. G. and T. moderate, W. scarce.	Small bazar.
34	Muttiana <i>P. O., D. B.—</i> ...	11	...	386	7690	S. scanty, F. G. W. and T. available.	Village.
35	Theog <i>D. B.—</i> ...	11	2	397	2	7420	S. F. G. T. procurable, W. scanty.	Hamlet.
36	Phagu <i>P. O., D. B.—</i> ...	5	6	403	8170	S. F. G. W. and T. moderate.	Ditto.

	<i>Pokri bazar</i>	...	..	...	406	6							
	<i>Mashobra toll bar</i>	...	...	...	411	6							
	<i>Sanjoli bazar</i>	...	...	...	413	...							
37	Simla <i>P. O., T. O., Hotels, C., E.—</i>	...	12	...	415	...	.....	.....	.....	7200	S. F. G. and T. abundant, W. scanty in dry season.	Sanitarium and summer capital of India. Town, bazar, Palace of H. E. Viceroy of India.	

From Leh take bulk of supplies and transport (Yaks are best) to Kailing in Lahoul, and from Kailing (calling upon the Assistant Commissioner at Kulang) take bulk of supplies to Sultanpur.
 This road is open from June to October.
 From Debring 72 miles, the road by Rukchen in Rupshu over the Khiang Chu maidan and the Lachalung La to Gian can be taken if preferred.
 See Route LXIX, stages 5 to 9.

LXX^a KILANG to SULTANPUR by BARALACHA and HAMTA PASSES—

10	Kilang	..	...	...	156	..	Long and easy ascent and descent with long stretch upon summit.	.....	Yunan bridge	.....	S. F. T. nil, G. scanty, W. available.	Camping ground.
					159	...		.....	Yunan Tso.	.....	.....	Lake.
11	Topo	...	18	...	174	...	Road rough but passable for laden animals with care over bad places.	Baralacha pass Down Chandra valley along left bank.	.....	16200.	S. F. T. nil, G. W. available.	Halting place.
12	Topo Koma	..	9	...	183	...	.....	.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXX^a	<i>ROUTE.—contd.</i> ...	...	...	183	...						
13	Chandra Dul ...	14	...	197	...	.....	.....	Sum Chikma Lake.	.....	S. and T. nil, G. W. available.	Halting place.
14	Karcha ..	13	...	210	...	Hard march over rocks and boulders brought down by avalanches to Chaktru.	.....	Chota Shigri torrent and moraine. Bara Shigri glacier and moraine.	... ..	S. and T. nil, F. G. W. available.	Camping ground.
15	Puti Runi ...	11	...	221	...	Shigri glacier site of huge mountain slip which blocked the Chandra river for some months.	.....	.....	.....	Ditto	Ditto.
16	Chaktru ...	12	...	233	...	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Opposite Purana Koksar.
				238	..	Steep ascent, to pass, long and stony and easy descent, fair road through beautiful scenery all the way to Sultanpur.	Hamta pass. Down Raini valley left bank.	.....	14000.		
17	Chika ...	13	...	246	..	.....	.....	.....	.....	S. and T. nil, F. G. W. available.	Halting place.
	<i>E.—Hamta</i> ...	...	...	254	...	.....	.....	.....	.....
	<i>Prini</i> ...	...	...	256	...	.....	Down Beas valley left bank.	...	.....	.....	Junction of Raini nala with Beas river.

18	Jagat suk ...	12	...	258	Doangnu bridge.	5985	S. F. G. W. and T. moderate.	Village.
	<i>E.—</i>	...	...	259	...	.....	.....	Splendid cascade.
	<i>Gojra</i> ...	...	...	266	...	.....	.....	Chaki bridge.
19	Nagar ...	9	..	267	Beas bridge.	5780	S. F. G. W. and T. ample.	Small civil station on left bank of Beas river.
	<i>E.—</i>	...	..	272	...	.....	.....	Raogi ”
	<i>Kois</i> ...	...	..	275	...	.....	.....	Kois ”
20	Sultanpur ...	13	...	280	4092	S. F. G. W. and T. plentiful.	Capital of Kulu. Town, bazar and tehsil on right bank of Beas river.

The drawback to this alternative route is the difficulty of supplies and transport, which must be taken through from Leh and Sultanpur either way. Route open from June to October.

LXXI LEH to JALANDHAR by KANGRA—

1	Leh ...	...	...	0	...	Road rough and stony, but passable for laden yaks.	Cross Indus valley.	.....	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak. Take supplies to Kailing.
	<i>P. O., D. B., C., E.—</i>	...	...	5	...	.....	.....	Indus bridge	10560.	.....
1	Khawuch ...	10	...	10	...	There are no supplies or transport available at the stages between Leh and Padam, and hence onwards both are scarce.	Up ravine southwards.	..	.....	S. F. G. W. and T. moderate.	Village.
	<i>Zinchan</i> ...	...	...	21	...			.....	.....
2	Urucha ...	16	...	26	...	.....	Kunda La	.....	.....	S. and T. nil, F. G. W. procurable.	Hamlet.
	...	...	...	29	...			.....	16211.		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>							
LXXI	<i>ROUTE—contd.</i> ...	...	...	29 ...						
3	Skio ...	12 ...	...	38 ...	Road ascends Markha valley crossing many spurs and ravines to Gonpa.	Up Markha valley.	Cross Markha river several times.	11120	S. and T. nil, F. G. W. procurable.	Hamlet.
4	Chaluk ...	12 ...	...	50 ...	.....	.....	.....		Ditto	Ditto.
	<i>Markha</i> ...	...	...	56 ...	.....	.....	12510.			
5	Gonpa ...	9 ...	...	59 ...	.....	Up Kuberung Chu.	.....		Ditto	Ditto.
6	Camp ...	10 ...	...	69 ...	.....	.....	.....		S. and T. nil, F. G. scanty, W. available.	Camping ground.
				73 ...	Difficult pass both in ascent and descent.	Ruberung La, down Ruberung Chu.				
7	Khurna Sumdo ...	15 ...	...	84 ...	.....	.....	Cross Khanuk river.	.....	Ditto	Ditto.
8	Tilut Sumdo ...	9 ...	...	93 ...	... ..	.....	.....		Ditto	Ditto.
						Across Khanuk Valley.				
9	Tomtokh ...	9 ...	...	102 ...	.....	.....	.....		Ditto	Ditto.
						Up Charcha Chu.				

				109 ...	Pass rough and difficult on both sides.	Charcha La.					
10	Zumlung	...	13	...	115	.....	.....	.....	Ditto	Ditto.	
11	Zozar	...	15	...	130	Join here regular road from Leh to Zanskar by Yel-chung.	.....	.....	11503	T. nil, S. F. G. W. procurable.	Hamlet and bridge over Zanskar river.
12	Thonde	...	7	...	137	.....	.....	.....	11460	Ditto	Hamlet.
13	Padam	...	9	...	146	Road fair and passable for laden animals to Kargyah.	.....	Tsarap Lingti Chu bridge.	11373	S. F. G. W. and T. procurable.	Fort, village and former capital of Zanskar.

From Gonpa 59 miles, a track continues south-eastwards up the Markha valley by Hankar 67 miles, Nimaling maidan 75 miles, over the Chaksang La 83 miles, to Latho 93 miles, in the Gya valley at 45 miles of Route LXIX.

From Hankar 67 miles another track goes south up the Luntung Chu over the Kurpola 17,050 feet 83 miles, down the Khurna Chu, by Khurnakur 74 miles, Kurto huts 77 miles, up the Omatu Chu, by Khanuk 85, over the Yar La 16,180 feet, 103 miles down the Lungma Chu to Sangtha 115 miles, in the Zara valley at miles 93 of Route LXX.

	<i>Burdun Gonpa</i>	...	...	...	153	...					
	<i>Pipchu</i>	...	...	...	154	Road along both banks of river from Padam to Pipchu.	Up Tsarap Lingti valley, cross to left bank.	Tsarap bridge. Chema Chokore bridge.			
14	Reru <i>E.—</i>	...	15	...	161	.....	.....	Reru Tokpho bridge.	.....	S. and T. precarious, F. G. W. available.	Hamlet.
15	Sarleh <i>E.—</i> <i>Char</i>	...	13	...	174	.....	.....	.....	.....	Ditto, F. scarce.	Ditto.
		...	...	...	176	.....	.....	Junction of Nirichu.	12800	.....	Village on right bank.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXXI	<i>ROUTE—contd.</i> ...	...	...	176 ...					
16	Tetha <i>E.—</i> ...	9 ...	...	183 ...	.....	.....	.....	S. and T. precarious, F. scarce.	Hamlet.
				192 ...	.....	Gian bult bridge.			
17	Kargyah <i>E.—</i> ...	11 ...	...	194 ...	Hence two roads to Kailing, one over Shingo La, and the other over Phirtse La by Sarchu Lingti. .....	.....	13670	S. F. G. W. and T. procurable.	Village and exten- sive grazing ground.
				201 ...	.....	Bilet bridge.			
18	Lakong ...	9 ...	...	203 ...	.....	.....	.. ...	S. F. T. nil, G. scarce, W. plentiful.	Halting place.
				210 ...	Road fairly easy on both sides of pass.	Shingo La down Ling- kyung valley.	16722.		
19	Ramjak ...	14 ...	...	217 ...	Road bad for ponies passable with care.	.....	.....	S. and T. nil, F. G. scarce, W. plentiful.	Ditto.
20	Dak bayan ...	10 ...	...	227 ...	.....	.....	.....	S. and T. nil, F. G. W. available.	Ditto.
				236 ...	.....	Bangyo ,,			

21	Darcha <i>C., E. on right bank.</i>	10	...	237	...	Here join the Lahoul and Rupsu road. Bhaga valley well cultivated, road very dusty to Kailing.	Down Bhaga valley along right bank.	.....	10844	S. F. G. W. and T. procurable.	Village on left bank of Bhaga river.	315
22	Kulang <i>E.—</i>	10	...	247	...	.....	.....	.....	.....	Ditto	Village.	
23	Kailing <i>P. O., D. B., C., E.—</i>	12	...	259	...	Road shady from planted willow trees for 4 miles.	Cross to left bank.	Bhaga bridge	10100	S. F. G. W. plentiful, T. available.	Capital of Lahoul Moravian Mission.	
				264	...	Road easy with exception of narrow part round rocks, and with many ups and downs and crossing many hill torrents to Koksor.	Up Chandra valley right bank.					
24	Gundla <i>B., E.—</i>	12	.	274	...		.....	2 Hill torrents bridged.	10300	S. F. G. W. and T. available.	Village.	
25	Sissu <i>E.—</i>	9	...	280	...		.....	Sissu bridge 5 hill torrents bridged.	9938	S. F. T. scarce, G. W. procurable.	Small village.	
26	Koksor <i>B., E.—</i>	13	...	293	...	.....	.....	Chandra bridge.	10260	S. F. T. scanty, G. W. plentiful.	Village.	
				298	...	Ascent and descent of pass very steep, very cold and keen high wind after 9 A.M.	Rotang pass	.....	13500.			
27	Rahla <i>B., E.—</i>	10	...	303	...	By mule road 14 miles.	Down Beas valley, along right bank.	...	9000	S. and T. nil, F. G. W. available.	Hamlet.	
	<i>Pulchun</i>	...	...	306	...	.....	.....	Solung bridge.				
	<i>Barwa</i>	...	...	308	...	.....	.....	.....	.....	S. and T. available	Village on plain.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.		
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>								
LXXI	<i>ROUTE—contd.</i>	...	...	308	...						
28	Manali <i>B., E.—</i>	10	...	313	...	Road very good through woods and lovely scenery.	.....	Manali bridge	.....	S. F. G. W. and T. procurable.	Village.
	<i>Baran</i>	...	...	318	...	.....	.....	Kuish „			
				322							
29	Katrain <i>B., E.—</i>	13	...	326	...	.....	.....	Dobi „	4723	S. F. G. W. and T. available.	Near Dwara small town.
				330				Raison „			
30	Sultanpur <i>P. O., D. B., C.—</i>	12	..	338	...	Road very good uphill to Kuraun.	.....	Beas „	4092	S. F. G. W. and T. plentiful.	Capital of Kulu. Town, bazar, tehsil.
31	Kuraun <i>B.—</i>	8	...	346	...	Easy ascent to pass through grand forest of pines, descent steep and bad.	.....	.....	.....	S. F. G. W. and T. moderate.	Village.
								Babu pass	9480.		
32	Badwani in Mandi. <i>B.—</i>	10	...	356	...	First half of this march fairly level, then stiff descent of 4 miles and climb of 3 miles.	.....	Across Ool valley.	6700	Ditto	Ditto, lovely view looking south.
33	Jhatingri in Mandi. <i>B.—</i>	13	...	369	...	.....	.....	.....	660	Ditto	Ditto B. on top of ridge between two ranges.

				371 ...	Cross Ool valley	.....	Ool bridge.			
				372 ...	and Mandi hill	Mandi range	.....	7000.		
				373 4	range in which	across head of	.....	5100	.....	Salt mines.
34	<i>Guma</i>	...	...	380 ...	are the Guma	Rana valley.	.....	.....	S. F. G. W. and T.	Village.
	Dhelu in Mandi	11	...		salt quarries,				available.	
	<i>B., E.—</i>				road fair through					
					rice fields and tea					
35	Baijnath	..	12 ...	392 ...	gardens, crossing		Binnu bridge	3300	S. F. G. W. and T.	Cluster of villages.
	<i>D. B., C., E.—</i>				several nalas ;				procurable after	Ancient Hindu
					cart-road under				notice.	temples.
					construction from					
					Guma to Palam-					
36	Palampur	9	4	401 4	pur.	.....	.....	4050	S. F. G. W. and T.	Large bazar and
	<i>P. O., D. B., C., E.—</i>				.....	.....			plentiful.	centre of tea
										gardens.

Hence there are two routes to Hoshiarpur and Jalandhar, one direct across country by Burwaneh 3,198 feet, 407 miles ; Juala Mukhi 1,883 feet, 427 miles ; Nadaon 433½ miles, where cross Beas river by bridge of boats, Kulohah 3,068 feet 447 miles, cross range and Jeswunt Doon to Umb 457 miles, cross Sohan river 461 miles, Gugret B., 463½ miles, where join the main road over Nari pass to Hoshiarpur 1,066 feet 479 miles. The other route *via* Kangra follows the main road and is longer as under :—

				408 2	Cart-road from	Across	Nugul bridge	3070.		
				412 4	Palampur to	drainage	.....	3000	.....	Several tea gardens
	<i>Malan bazar</i>	...	...		Kangra bridged	from Dhaoli	.....			on Patahar range.
					throughout first	Dhar range.	.....		
37	Nugroteh	...	14 ...	415 4	3 miles steep de-	.....	.....	2850	S. F. G. W. and T.	Bazar.
					scend, rest of easy	.....			available.	
					gradient.	.....	Bunera bridge			
								
								
	<i>Gurkhari</i>	...	...	422 4	.....	.....	.....	.....	.....	Road branches to
										Dhamsala 8 miles
										north.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.		
		INTER-MEDIATE.	TOTAL.								
		m.	f.	m.	f.						
LXXI	<i>ROUTE.—contd.</i> ...	...	...	422	4						
38	Kangra <i>P.O., T.O., D.B., C., E.</i>	9	4	425	...	Bridle road partially bridged from Kangra to Hoshiarpur and passable for laden animals.	Down Bangunga valley.	.....	2400	S. F. G. W. and T. plentiful.	Ancient fort, large town and bazar. Devi temple frequented by pilgrims.
				426	4	.....	.....	Bangunga bridge.			
	<i>Daulatpur</i> ...	...	...	430	4	.....	.....	.....	2100	... ..	Large bazar.
				434	4	.....	.....	Ditto.			
39	Ranital <i>B., C., E.—</i>	11	...	436	...	.....	.....	.....	2000	S.F.G.W. procurable, T. nil.	Small village.
				440	...	.....	Bhagrot saddle.				
40	Gopipur Dehra <i>P. O., D. B., E.—</i>	13	...	449	...	.....	Across Beas valley.	Beas bridge of boats.	1400	S. F. G. W. and T. available.	Town, bazar, tehsil and schools.
				452	...	.....	.....	Gopipur rao.			
41	Bharwain <i>Kinno</i> ...	11	4	460	4	Road crosses wide raos in the Jeswunt Doon which are very	Summit of Sewalik range.	.....	3000	Ditto after notice, W. scanty.	Small village.
		...	...	463	4		.....	... ..	2400	.....	Ditto.

42	Gugret <i>B., C., F.—</i>	...	13	...	471	4	sandy and heavy.	.....	Sohan ford	.....	.....	Road 3 miles E. to Umb.
					473	4	.....	Cross Jeswunt Doon.	.....	.....	Ditto	Hamlet and shops.
					476	4	Easy ascent and descent.	Nain pass.				
43	Manguwal <i>B., E.—</i>	...	7	...	480	4	.....	Southern base of Sewalik hills.	.....	.....	S. and T. nil, F. G. W. procurable.	Halting stage.
					483	...	.....		Maskara rao.			
44	Hoshiarpur <i>P. O., D. B., C., E. confined—</i>	...	8	4	489	..	Hence cart-road bridged and metalled to Hoshiarpur, where dāk gharis are procurable.	.....	Chooa rao	1055	S. F. G. W. and T. ample.	Small civil station, town and bazar.
45	Adampur	...	14	...	501	...	.....	.....	.....	880	Ditto after notice	Small village.
	<i>Nasrala</i>	...	...	...	508	4	.....	.....	Nasrala rao.			
46	Jalandhar <i>P.O., T.O., D.B., C., E.</i>	...	11	...	512	...	.....	.....	.....	778	S. F. G. W. and T. abundant.	Station on N.-W. Railway. Civil station and military cantonment.

A new line of railway will shortly be commenced to connect Hoshiarpur with Jalandhar.

LXXIa KHURNA SUMDO to CHAR—

7	Khurna Sumdo...	...			84	.	Very rough and difficult path.	.....	.....	.....	S. T. nil, F. G. scarce, W. plentiful.	Halting place.
8	Lapurba	...	8	...	92	...	.....	.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL							
		m.	f.	m.	f.						
LXXI	<i>ROUTE—condt.</i>	...	...	92	...					
				100	...	Steep and difficult ascent and descent over snow fields.	Shapo dak La, down Niri Chu valley.	.....	18530.	
9	Niri Sumdo	...	16	...	108	.....	.....	.....	S. T. nil, F. G. scarce, W. plentiful.	Halting place.
10	Niri	...	12	...	120	Road crosses on high spur.	.....	.....	Ditto	Ditto.
				126	...	.....	Shingri La. Down Niri Chu valley left bank.			
11	Shadi	...	10	...	130	Road fair and passable for laden yaks.	.....	Niri Chu bridge.	S. and T. nil, F. G. W. procurable.	Village.
	<i>Tantak Gonpa</i>	...	...	...	134	.....	.....	.....	.....	Monastery.
				...	139	.....	Cross to right bank.	Botkung bridge.		
12	Yaytah	...	11	...	141	.....	.....	.....	Ditto	Hamlet.
13	Phooktal Gonpa	...	8	...	149	...	.....	Niri Chu bridge.	S. F. G. W. and T. moderate.	Monastery.

14	Char	...	6	...	155	Tsarap Lingti Chu bridge.	12800	Ditto	Village at junction of Niri Chu and Tsarap Lingti Chu.
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From Botkung bridge 139 miles, there are paths either up the Shoon river or over the Nialo kontse La and Gotoonta La 16,500 feet, to Kormoch 153 miles, Mane Leh 159 miles, Sutak 166 miles, Takh 175 miles at mile 120 of Route LXX leading to Lahoul.

LXXII. LEH to AMRITSAR by KISHTWAR and CHAMBA—

	Leh <i>P. O., D.B., C., E.—</i>	...	...	...	...	On main road to- wards Dras and Srinagar as far as Nimu.	.....	.....	11500	S. F. G. W. and T. abundant.	Town, fort and Capital of Ladak.
	<i>Pitak</i>	...	...	4	2	.....	.....	Phayang Dokpo.	.....	S. F. G. W. T. moderate.	Village.
1	Nimu	...	18	2	18	2	Up Zanskar valley.	Indus bridge.	.....	S. F. G. W. T. moderate.	Below junction of Zanskar and Indus rivers.
	<i>E.—</i>	...	15	6	34	.....	Up Sunkak foo.	.....	.....	S. and T. nil F. G. W. available.	Small village.
3	Drogulika <i>E.—</i>	...	9	...	43	...	.....	.....	.....	Ditto	Ditto.
	<i>E.—</i>	...	10	...	53	.....	Choke La	.....	13513.	Ditto	Ditto.
4	Hinjoo <i>E.—</i>	...	10	...	53	.....	.....	.....	.....	Ditto	Ditto.
5	Phanjila <i>Soondoo</i>	...	9	...	62	...	Here join road from Lama Yurn to Zanskar.	.....	.....	S. and T. nil, F. G. W. procureable.	Village.
	<i>Soondoo</i>	...	...	...	65	...	.....	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEAL LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXXII	<i>ROUTE—contd.</i>	..	..	65	...	.....	12400	S. F. G. scarce, W. plentiful, T. nil.	Village.
6	Honupatta <i>E.—</i>	7	...	69	.....	.....	12400	S. F. G. scarce, W. plentiful, T. nil.	Village.
				78	Sir Sir La.	.....	16372.		
7	Photaksur <i>E.—</i>	13	..	82	.....	.....	13900	S. F. G. W. procurable, few coolies.	Ditto.
	<i>Maling</i>	..	...	90	.....	.....	.....	.....	Cultivated valley 6 miles.
				94	Singi La.	.....	16600.		
8	Yelchung <i>E.—</i>	16	...	98	.....	.....	12730	S. precarious, T. nil, F. G. W. scanty.	Small village.
				100	Chochu Bori				
			4	103	La.	Zanskar bridge.	10819.		
9	Naerung	6	...	104	.....	.....	..	S. and T. nil, F. G. W. procurable.	Ditto.
				110	Nera La.	.....	16000		
10	Pangot	10	...	114	.....	.....	.....	Ditto	Halting place.
11	Khurmafoo	10	...	124	.....	.....	13050	Ditto	Ditto.
				129	Chelong Labho.	.....	14530.		

12	Zang la	...	13	...	137	.....	.....	.....	.....	S. F. T. scarce, G. W. plentiful.	Village on right bank Zanskar river.
13	Zozar	...	6	...	143	Leave main Zanskar road and continue up left bank of Doda river.	Up Doda valley on left bank.	Zanskar bridge.	11583	T. nil, S. F. G. W. procurable.	Village and bridge over Luna Sampu or Zanskar river.
14	Kursha	...	12	...	155	.....	.....	.....	.....	S. F. G. W. and T. moderate.	Village and monastery opposite junction of Doda and Luna Sampu rivers.
	<i>Tungring</i>	...	...	...	165	Here join road from Zanskar to Suru.	Cross to right bank.	Doda bridge.			
15	Ating	...	16	...	171	.....	Up Bardur valley	.....	12020	S. F. G. W. procurable, few coolies.	Village.
	<i>Sumchun Gonpa</i>	...	...	...	177						
16	Gowra	...	10	...	181	Continuous glacier and snow fields from Huttra to Bujwas.	.....	.....	13542	S. F. T. nil, G. W. procurable.	Halting place.
	<i>E.—</i>	...	...	...	187				16109.		
	<i>Huttra</i>	...	...	...	191	Steep ascent to pass, over glacier and snow fields, level plateau and steep descent.	Umasi La. Down Bhetna valley.	.....	17370	.....	Open 3 months June to August inclusive.
17	Bugjan Hiwan	...	13	...	194	.....	.....	.....	15500	Ditto.	Ditto.
	<i>E.—</i>	...	...	...	201	.....	.....	.....	11570	S. T. nil, F. G. W. procurable.	Ditto.
	<i>Sumjam</i>	...	...	...	205	Easy path from Sumjam through cultivated valley to Atholi, passable for laden animals.	.....	.....	11000	.....	Sapphire mine in vicinity.
19	Machail	...	8	4	209	4	.....	.....	9700	S. F. G. W. and T. moderate.	Village.
	<i>E.—</i>	...	...	...	220	4	.....	Bhetna bridge	7660	Ditto.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE		TOTAL.							
		m.	f.	m.	f.						
LXXII	<i>ROUTE—contd.</i> ...	...	...	220	4						
21	Atholi or Gulabgurbh. <i>E.—</i>	11	...	231	4	From Atholi difficult path, high above river, crossing numerous side gorges with considerable ascents and descents, practicable for unladen ponies to Bagni, whence easy road to Kishtwar.	Down Chandra Bhaga valley left bank.	Bhetna bridge and Chandra Bhaga rope bridge.	6360	S. F. G. W. and T. moderate.	Village and fort, chief place of Padar.
22	Siri ...	14	...	245	4		.....	.....	8700	S. and T. nil, F. G. W. available.	Hamlet.
23	Piyas ...	9	4	255	...		.....	.....	6320	Ditto.	Ditto.
24	Bagni ...	11	...	266	...		.....	.....	.....	S. scanty, F. G. W. plentiful, T. available.	Small village.
25	Kishtwar <i>P. O., E.—</i>	...	13	...	279	...	.....	.....	} 5400 } 5000	S. F. G. W. and T. ample.	Town, fort, bazar on elevated plateau head quarters of district.
26	Joshni <i>E.—</i>	...	15	...	294	...	.....	.....	.....	S. T. nil, F. G. W. procurable.	Village.
27	Janglwar <i>E.—</i>	...	6	...	300	...	.....	Ascend hill range.	3670	S. F. G. W. and T. available.	Ditto.
				306	...	.....	.....	Chira gully.			

28	Jaora <i>E.—</i>	...	8	...	308	...	Summer road rises to ridge of hill, along which it keeps to Chinta, then descends to Budrawar, winter or lower road by Jagud.	.....	.....	.....	S. F. G. W. plentiful, T. procurable.	Ditto.
	<i>Chinta</i>	...	...	...	322	...						
29	Budrawar <i>P. O., E.—</i>	...	17	...	325	...	Road good and passable for laden animals, crossing several small streams up cultivated valley.	.....	Neru bridge	5427	S. F. G. W. and T. ample.	Capital of Budrawar, Jagir of Raja Sir Amar Singh, K. C. S. I. Town, fort and bazar.
30	Thenala	...	8	...	333	..	.....	.....	.....	.....	S. and T. nil, F. G. W. plentiful.	Iron mines.
					335	...	Long ascent to pass and steep descent down stony bed of stream.	Padri pass. Down Kandi Marl valley.	.....	9000.		
31	Langera <i>E. on roof of huts,</i>	...	14	6	347	7	.....	Down Shoon valley.	.....	5982	Ditto	Hamlet.
32	Bhandal	...	12	...	359	6	Road rough, hilly and stony to Chamba.	.....	.....	5679	S. F. G. W. and T. available.	Large village.
	<i>Digi</i>	...	...	...	364	...		.....	Shoon ferry.	.....	.....	Ditto.
33	Manjeri <i>B. E.—</i>	...	14	...	373	6	.....	Across Sachi valley.	Sachi bridge	.....	Ditto	Ditto.
	<i>Rajnager</i>	...	...	...	380	...	.....	Cross Rajnager spur.				Capital of Chamba, residence of Raja.
34	Chamba <i>P. O., D. B., C., E.—</i>	...	16	...	389	6	.....	.....	Ravi bridge	3000	S. F. G. W. and T. abundant.	Large town and bazar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXXII	<i>ROUTE—contd.</i> ...	...	...	389	6						
35	Rareri ...	6	...	395	6	Road difficult but improved, with steep descent from pass for 5 miles.	.....	.....	.....	S. F. G. W. and T. procurable.	Village.
	<i>Mankot</i> ...	...	...	400	...		Mankot gully				
36	Chuari ...	12	...	407	6	.....	.....	.....	.....	Ditto	Customs post.
	<i>B. C., E.—</i>										
	<i>Jaji</i> ...	...	...	414	..	.....	.....	Chuki ford.			
37	Nurpur ...	16	...	423	6	Join cart-road from Kangra to Pathankot.	.....	Jubber Khud	2050	S. F. G. W. and T. ample.	Ancient fort and town. Large bazar and tehsil.
	<i>P. O., D. B., C, E.</i>			432	6	.....	.....	Lyall viaduct	1300		
38	Puthankot ...	16	..	439	6	.....	.....	.....	950	S. F. G. W. and T. plentiful.	Town and large bazar, terminus of branch railway.
	<i>P. O., T. O., hotel, C., E.</i>										
	Gurdaspur ...	23	2	463	...						
	Batala ...	20	...	483	...						
	Amritsar ...	24	...	507	...						
	<i>P. O., T. O., hotel, C.</i>										
						By Amritsar branch of North	Western	Railway.			

XXIIa ZOZAR to CHAMBA by POAT LA and SACHI PASSES—Map, Rose.—Distances approximate.

13	Z zar	...	...	...	143	...	This route though shorter is much more difficult and crosses much higher mountain passes.	Up Doda valley right bank.	.....	11583	S. F. G. W. procurable, T. nil.	Hamlet and bridge over Zanskar. or Luni Sampu river.
14	Thonde <i>E.—</i>	...	7	...	150	...		.....	.....	11460	Ditto	Small village.
15	Padam <i>E.—</i>	...	9	...	159	...	.....	Up Tsarap Lingti valley.	Tsarap Lingti bridge.	11373	S. F. G. W. and T. procurable.	Village and Fort, former Capital of Zanskar.
	<i>Burdun Goupa</i>	...	...	...	165	...	.....	.....	.....	.....	.....	Monastery.
16	Chemo Chekore...	...	10	...	169	...	...	Up Tema Tokpho valley.	.....	.....	S. and T. nil, F. G. W. available.	Hamlet.
	<i>Chimi Chenmo</i>	...	...	...	174	...						
17	Kanjoo	...	11	...	180	...	The glaciers and snow fields extend from Kanjoo to the Camp at head of the Kilar nala about 43 miles. The ascent and descent of Poat La are not difficult, but the ascent and descent of Shinkil pass are extremely rough, steep and difficult.	.....	.....	.....	Ditto	Halting place.
					187	...		Poat La	.....	18752.		
18	Danga	...	19	...	199	..		Across head of Danlong valley.	Danlong ford.	.....	Ditto	Ditto.
					211	...		Shinkil pass. Down Kilar valley.	.....	.....
19	Camp	...	24	...	223	...		.....	.....	.....	Ditto	Ditto.
20	Kilar <i>E.—</i>	...	9	...	232	...	.....	Cross Chandra Bhaga valley.	Chandra Bhaga bridge.	8411	S. F. G. W. and T. procurable.	Village in Pangi.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXXII^a	<i>ROUTE—contd.</i>	...	...	232	...	...	...	...	...
21	Halias	9	...	241	Steep ascent from Chandra Bha ga river and easy descent. Long and narrow glacier on summit.	.....	.....	S. and T. nil, F. G. W. available.	Halting place in Chamba.
				247		Sachi pass	14328.		
22	Alwas <i>E.—</i> <i>Baira</i>	15	...	256	.....	Down Sachi valley.	6997	Ditto	Hamlet.
		...	...	262	.....	Debri nala.			
23	Tisa <i>E.—</i> <i>Tikri</i>	12	...	268	Road fair and stony to Chamba down Sachi valley to Tikri, thence branching up Chanju valley to near Chanju,	.....	.....	S. F. G. W. and T. moderate.	Large village.
		...	...	275	crossing a low range of hills and down the Hul valley to the Ravi.	Up Chanju valley.			
24	Kalel	12	...	280	.....	Chanju bridge	5060	Ditto	Village.
				286	Banjah pass.				
25	Masrund	9	...	289	Down Hul valley right bank.	.....	6376	Ditto	Ditto.
26	Chamba <i>P. O., D. B., C., E.—</i>	12	...	301	.....	Ravi valley Ravi bridge	3033	S. F. G. W. and T. abundant.	Large town and bazar. Capital of Chamba State. Residence of Raja.

LXXIII LEH to JAMMU by **ZANSKAR and BUDRAWAR**—See *ROUTE XVII.*

LXXIV LEH to SRINAGAR by **DRAS and SINDH VALLEY**—See *ROUTE LI.*

Ditto by **SURU**— See *ROUTE LII.*

LXXV LEH to GILGIT by **INDUS VALLEY**— See *ROUTE LXVI.*

LXXVI LEH to SKARDU by **SHAYOK VALLEY.** *Drew, Neve, Knight, Wachtmeister.—Distances approximate.*

	Leh <i>P. O., D. B., C., E.—</i>	...	...	0	...	Follow ordinary road towards Srinagar as far as Khalsi, then instead of crossing bridge keep down Indus valley to the junction of the Hanu valley.	Down Indus valley right bank.	.....	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak. Palace of Gialpoor Raja.
	<i>Pitak</i>	...	...	4	2	.....	.....	.....	10500	.....	Village and Monastery.
1	Phayang Dokpo <i>B.—</i>	7	2	7	2	.....	.....	Lunachmofoo	.....	S. and T. nil, F. G. W. procurable.	Ditto.
	<i>Nimu B., E.</i>	...	...	18	2	.....	.....	Nimu Drokpo.			
2	Bazgo <i>B., E.—</i>	...	15	...	22	2	Bazgo „	11058	Ditto	Large village.
	<i>Tarutse</i>	...	...	29	2	.....	.....	Likir „	.....	.....	Likir Monastery, 2 miles up valley.
				32	...							
3	Hemis Shukpa	...	15	6	38	...	Road rough and in bad order to Nurla, crossing low hills and through a gorge to the Indus.	S. and T. scanty, F. G. W. available.	Village and Monastery on high plateau, grove of pencil cedars.
	<i>Timisgam</i>	...	...	...	45	...					

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXXVI	<i>ROUTE—contd.</i>	...	...	45	...				
4	Nurla <i>B., E.—</i>	11	...	49	.....	Phocha Drokpo.	.....	S. F. G. W. and T. moderate.	Village.
5	Khalsi <i>B.—</i>	6	...	55	Road fair along the Indus crosses many spurs and ravines.	Keep to right bank.	.....	S. and T. scanty, F. G. W. procurable.	Ditto.
	<i>Doomkhar</i>	...	...	57	.....	Indus bridge	10000	.....	Fort and bridge over Indus river.
		...	...	65	.....	Doom Khar Cho.			
6	Skirbichan	16	...	71	.....	Kirboo Chand bridge.	.....	S. nil, T. scanty, G. F. W. available.	Village, cultivation.
	<i>Achi natung</i>	...	...	79	.....	Broglow.			
	<i>Nubbi branskar</i>	...	...	84	.....	Up Hanu valley.			
7	Goma Hanu <i>E.—</i>	18	...	89	Long and easy ascent to and descent from pass.	.....	.....	S. F. G. W. and T. moderate.	Village.
				102		Chorbat pass. Down Chorbat Loongma.	16696.		
8	Cam'	21	...	110	.....	.....	.....	S and T. nil, F. scarce, G. W. plentiful.	Halting place in Baltistan.

9	Piun or Paxfain <i>E.—</i>	9	...	119	...	Road fair and stony, crossing many spurs and ravines.	Down Shayok valley left bank.	.....	.....	S. F. G. W. and T. procurable.	Picturesque village.
	<i>Kustang</i>	...	...	123	...		.....	Kustang Brok.			
	<i>Kubar</i>	...	...	126	...	.....	.....	Kubar Longna			
10	Dau	...	10	...	129	.....	.....	.. ..	.....	Ditto	Village on hill.
	<i>Lunkha</i>	...	...	133	..	.....	.....	Lunkha Brok.			
11	Sirmu	...	11	..	140	.....	.....	Sirmu Brok.	.....	S. and T. nil, F. G. W. moderate.	Small village.
12	Khapalu <i>E.—</i>	...	7	...	147 149	Road good and sandy.	Cross to right bank.	..... Shayok ferry or skin raft.	8400	S. F. G. W. and T. moderate.	Large village and Raja's palace.
13	Kerka <i>E.—</i>	...	10	...	157	Road fair along irrigated terraces	.....	Narul Loomba	8356	S. and T. nil, F. G. W. moderate.	Large village.
	<i>Dowanu</i>	...	..	...	161	.....	.....	Thulle "	.....	.....	Road branches by Tusserpo La to Shigar.
14	Kuru	...	16	...	173	Path over sand along the Shayok river.	.....	Kuru "	7992	Ditto	Village.
15	Kiris <i>E.—</i>	...	9	...	182	.....	.....	Kiris "	.....	S. W. and T. moderate, F. G. scarce.	Large village.
	<i>Ghoro</i>	...	...	...	185	Path over sandy hills high above the Indus, views very striking.	Down Indus valley right bank.	.. ..	7673	.....	Junction of Shayok and Indus rivers.
16	Narh <i>E.—</i>	...	14	...	196	.....	.....	Narh "	.....	S. and T. scarce, F. G. W. moderate.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
	LXXVI ROUTE—contd. ...	...	...	196	...				
				206	...				
				209	4	Join Shigar and Skardu road over sand, gravel and dust.			
17	Skardu ... <i>P. O., T O., C., E.—</i>	17	...	213	...	Cross to left bank.	Indus ferry.	7400	S. F. G. W. and T. abundant. Town and fort, capital of Baltistan.

Take supplies from Leh to Goma Hanu, hence to Piun, hence to Khapalu, and the same on the reverse way. Summer route open from June to October.

Winter route by Indus valley, crossing at Khurmang to the Dras and Skardu road.

Marches 11 and 12 of 18 miles can be shortened to 14 miles by avoiding Sirmu, though the short cut is rough and stony over an hill spur.

LXXVIa LEH to KHAPALU by SHAYOK VALLEY— *Map, Thomson.—Distances approximate.*

	Leh ... <i>P. O., D. B., C., E.—</i>	0	...	Ordinary road from Leh to Phayang Dokpo whence turn up a side valley to its source under the Lasirmou Peak over the Thanglasgo	11500	S. F. G. W. and T. abundant. Capital of Ladak. Town and fort. Palace of Gialpoor Raja.
1	Phayang Dokpo ... <i>E.—</i>	7	2	7	2	Up Lunachmo foo.	Lunachmo foo.	S. F. G. W. and T. procurable. Monastery.	

	<i>Choma</i>	14	...	La and down this and the Palzampin ravines to the Shayok valley.						
2	Lunachmo	...	12	6	20	.....	.....	.....	.....	S. and T. nil, G. F. W. scanty.	Halting place.
					25		Thanglasgo La. Down	.....	16960.		
3	Brok Guma	...	23	...	43	.....	Thanglasgo ravine.	.....	.....	Ditto	Ditto
	<i>Wachan</i>	...	...	...	46						
4	Hungar left bank <i>E.—</i>	...	13	...	56	Road fair to Umuaru, and rough to Koro, where it branches up aside valley crossing many spurs to Waris.	Down Shayok valley left bank.	Palzam piu Loongma.	10300	S. F. G. W. and T. moderate.	Large village and orchards.	
5	Thaise left bank	...	11	...	67		Cross to right bank.	Shayok ford	.....	S. and T. nil, F. G. W. available.	Village.
6	Umuaru right bank <i>E.—</i>	...	8	...	75	.....	.....	Unmari Loongma.	.....	S. F. G. W. and T. moderate.	Ditto.
7	Koro right bank	...	10	...	85	.....	Up Waris Loongma.	.....	10300	S. and T. nil, F. G. scanty, W. plentiful.	Halting place.
8	Waris	...	10	...	95	Hence it rises sharply over 2 main spurs and descends again to the Shayok river.	.....	Waris Loongma.	.....	Ditto	Hamlet.
	<i>Zdong polas</i>	...	...	...	98		.....	.....	12494.		
					100	Ascent and descent of passes very steep and abrupt.	Lagopo La	.....	13143.		
	<i>Shupa</i>	...	...	...	102		Down Biagdang Loongma.				
9	Biagdang right bank	...	10	...	105	Road fair and easy with many ups and downs.	Down Shayok valley.	Biagdang Loongma.	11700	S. and T. precarious, F. G. W. plentiful.	Village.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXXVI^a	<i>ROUTE—contd.</i> ...	...	...	105	...						
10	Chalunka right bank	10	..	115	...	.....	.....	Chalunka Loongna.	.. ..	S. and T. precarious, F. G. W. plentiful.	Village.
11	Turtuk left bank ...	9	...	124	...	.....	.....	{ Shayok bridge Turtuk " }	.....	Ditto	Ditto.
12	Prahnu right bank <i>E.—</i>	14	...	138	...	.....	.....	Shayok "	8740	S. F. G. W. and T. moderate.	Large village, well cultivated.
13	Piun left bank <i>E.—</i> ...	12	...	150	...	} Join summer route from Leh by Chorbat pass.	.....	... ..	.....	S. F. G. W. and T. procurable.	Village.
16	Khapalu left bank	28	...	178	...		} See Route LXXV I, marches 9 to 12.	8400.		

LXXVI^b KHAPALU to SHIGAR by THULLE LA or TUSSEPO LA.—Distances approximate.

12	Khapalu ...	...	...	147	...	Road good and sandy.	Cross Shayok river from left to right bank.	Shayok ferry or skin rafts.	.....	S. F. G. W. and T. plentiful.	Large village and Raja's palace.
13	Kerko ...	8	...	155	...	.....	Up Thulle valley.	.....	8356	S. F. G. W. and T. moderate.	Large village.

<i>Dowani</i>	...	...	...	...	...	...	...	...	S. F. G. W. and T. procurable.	Village.
14 Harangur	...	11	...	159	...	Road rough and stony, crossing many spurs and ravines.	.....	.....	.....	.....
15 Bukma	...	12	...	178	...	.....	.....	11323	Ditto	Ditto.
16 Dubla Khan	...	7	...	185	...	.....	.....	.....	S. and T. nil, G. F. W. available.	Halting place.
17 Tapsa	...	18	...	193	...	Very steep ascent and descent over pass, cross small glacier.	Tusserpo La down Thath lung.	16679.	Ditto	Ditto.
<i>Baumakarel</i>	...	..	...	203	...	.....	.....	.....	.....	.....
18 Shigar	...	12	...	205	...	On left bank Shigar river.	.....	7640	S. F. G. W. and T. plentiful.	Fort and large village, garden cultivation.

From Bukma 178 miles is a cross track up the Tunthul nala over the Luggo La 16,785 feet down the Kiris Loomba to Kiris about 24 miles in length.

From Dubla Khan 185 miles there is a shorter but steeper track over the Thulle La 192 miles, down the Yaltsa Loomba to Bauma Karel 202 miles in the Thath lung valley.

From Khapalu there is another track northwards up the Husbe valley along right bank to the glaciers at foot of the Masher Brun Peak in 3 short marches to Maden (opposite to Haldi 8,867 feet on left bank) 12 miles, Kande 13 miles, and Husbe 10 miles.

From Haldi at junction of Husbe and Saltoro rivers, another path goes eastwards up the Saltoro valley by Chino 9 miles, Dumsun at junction of kandus and Saltoro rivers 8 miles, Goomba Khan 11 miles, Ghyari up the Ghyari Loomba 13 miles, Ali Brausa 9 miles at foot of the Bilafun glacier and pass, an old route, now unused, over the Mustagh Karakoram range towards Yankand.

From Khapalu eastwards there is another track by Sirmu, which crosses the Shayok river by skin raft at 8 miles to Gourtse 13 miles; thence up left bank of the Saltoro river, past Dumsun 12 miles, Pild 9 miles, where it crosses a bridge over the Saltoro river to right bank and joins the previous route at Goomba Khan for the Bilafun pass.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

LXXVII LEH to YARKAND and KASHGAR by NUBRA VALLEY, KARA KORAM PASS and KILIAN PASS.

Tabistani or Summer route. Drew, Trotter, Bellew, Biddulph, Lansdell.—Distances approximate.

	Leh <i>P. O., D. B., C., E.—</i>	...	...	0 ...	Road rough and stony.	Up ravine north of Leh.	... ..	11500	S. F. G. W. and T. abundant. Take through supplies and transport to Yarkand.	Large town and fort. Capital of Ladakh. Palace of Gialpoor Raja. Residence of Wazir and British Joint Commissioner
	<i>Ganles</i>	...	...	5 ...						Halting place.
1	Camp	...	12 ...	12 ...	Ascent to pass by a very steep and stony zigzag, descent down a steep snow field over moraine banks and down a mountain torrent to the Shayok valley.	Khardong or Laochi La, down ravine, cross Shayok valley and up Nubra valley along left bank.	.....	15000 17800	S. and T. nil, F. G. W. scarce.	Yaks necessary over this pass.
2	Khardong <i>E.—</i>	...	15 ...	27 ...			.....	13500	S. and T. nil, F. G. W. available.	Village on plateau.
	<i>Khartsar</i>	...	...	38 ...						
3	Satti <i>E.—</i>	...	12 ..	39 ...	Road fair down Shayok valley and then up Nubra	.....	Shayok ferry	10430	Ditto.	Village in fertile and cultivated valley.

	<i>Tirit</i>	...	...	46	..	valley, passing several populous villages, well cultivated.						
4	Tagar	...	15	...	54	..	.....	Sumur	10030	S. and T. scarce, F. G. W. procurable.	Ditto, orchards and much cultivation.	
	<i>Chamsing</i>	...	...	...	59	..	.....	Loongma. Chamsing „				
	<i>Popchick</i>	...	...	...	61	..						
5	Panamik	...	13	...	67	.	.....	Hot Springs	10840	S. F. G. W. and T. moderate.	Ditto, complete supplies here for onward journey.	
	<i>E—</i>											
	<i>Pokachu</i>	...	...	...	69	...	.....	Poka chu				
					75	...	.....	Tutyalak „				
6	hunglung	...	11	..	78	...	Here leave Nubra valley.	Up Tutyalak ravine over	Hot Springs	10760	Ditto	Village last to be met in Ladakh.
	<i>E.—</i>											
					81	...	Steep zigzag ascent and descent over pass.	Karawal Dawan.	.....	17000.		
7	tutyalak or Pangdongsta.	11	...	...	89	..	Road most difficult and dangerous from snow avalanches, moraine slips and sudden floods.	.....	.....	13000	S. and T. nil, F. scarce, G. W. plentiful.	Halting place under glacier.
	<i>Sartang</i>	...	...	...	97	.		.....	.....	15500.		
					100	...	Cross 2 glaciers 10 miles long on watershed between Nubra and Shayok valleys.	Saser pass	.....	17500	.....	Yaks essential.
8	Brangsa Saser...	15	...	...	104	..	After crossing Shayok ford, turn eastwards up deep gully to Chung-tash and down	Cross Shayok valley.	...	15204	S. F. G. T. nil, W. plentiful.	Huts on right bank Shayok river.
	<i>E.—</i>				105	...			Shayok ford.			Winter route up and down latter. Lake.
	<i>Chungtash</i>	...	...	...	112	...		.....	.....	.....	.....
								Up Rout side valley.				

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.			
		INTER-MEDIATE.	TOTAL.									
		m.	f.	m.	f.							
LXXVII ROUTE—contd.												
9	Bulak-i-Murghai	10	...	114	...	stony gully to Murgai. Hence road narrow, difficult and risky from stone avalanches.	.....	.....	15100	S. F. G. T. nil, W. plentiful, springs.	Halting place.
	<i>Burtse</i> ...	...	...	127	...		.....	.....	16000.		
10	Kizil Langar ...	16	..	130	...	Ascend by steep and stony gorge to high plain, cross this barren plateau over spongy soil and descend by wide and deep gully.	.....	.....	16700	Ditto	Can.ping ground.
	<i>E.—</i>			136	}		Dipsang plateau, cross			17800.
				144	}		Chipchak valley.					
11	Daulat Beg Uldi	20	...	150	..	... ..	Chipchak ford.		16880	Ditto	Ditto. Winter route from Leh joins here.
	<i>Chajosh jilga</i> ...	...	...	158	...						
				163	...	.....	Karakoram pass.	.....	18300	.....	Practicable for laden horses.
12	Balti Brangsa ...	22	...	172	...	Gradual rise to pass over gravel and clay soil, then ascent sudden and steep, similar descent, then gradual down shingly gully.	Down Yarkand valley.	.....	17180	Ditto	Halting place.
	<i>E., Rock Shelter—</i>											
	<i>Wahab jilga</i> ...	...	...	186	...	Road good ...	.....	.....	16000.		

13	Aktagh or Malik Shah <i>E.—</i>	28	...	200	...	Road gradually rises over arid stony plateau to foot of pass.	Leave Yarkand valley.	.....	15590	Ditto, a little grass in summer.	Winter route diverges by Kugiar.	
14	Chibra	...	10	..	210	...	Road ascends gradually to the Suget pass, flat on top for 3 miles and descends steeply down ravine, over moraine banks and granite boulders.	.....	16480	S. F. G. T. nil, W. scarce.	Halting place.	
					216	...	Suget Dawan. Down Suget and Karakash valleys.	.....	17618	.....	Yaks necessary, air rarefied.	
15	Suget	...	21	...	231	...	Road follows course of Suget stream, then crosses Karakash river and along right bank of latter.	.....	Cross Suget stream several times.	12970	S. and T. nil, F. G. W. plentiful.	
					235	...		.....	Karakash ford.	.....	.....	Junction of Suget and Karakash rivers.
16	Shahidula	...	8	...	239	...	.....	.....	.....	11500	Ditto	Old fort erected by Maharaja of Kashmir. Kirghiz Camps around.
	<i>Aiduk</i>	...	...	...	244	...						
	<i>Toghra Su</i>	...	...	...	247	...	.....	.....	Toghra Su ford.			
17	Ali Nazar Kurgan	11	...	250	...	.....	Up Kilian or Dair manluk valley.	.....	.....	.....	Ditto	Kirghiz Camps and Fort.

Hence are 3 routes over the Kuenlun range to Kargalik and Yarkand.

I. By Toghra Su valley, Kilik pass and Tupa Diwan, path little known and closed by the Chinese authorities, grass and wood procurable at every stage, said to be the best for foot passengers.

II. By Kilian valley, Kilian pass and Kilian city, summer route as under.

III. By Karakash valley, Sanju or Grim pass and Sanju city, also summer route as in **LXXIX**.
The Chinese authorities sometimes block II, and at other times block III.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXXVII ROUTE—contd.		250					
18	Bostan ...	10	...	260	..	.....	S. T. nil, F. G. scanty, W. available.	Halting place.
19	Kara Chaglan Aiaghe.	18	...	278	..	.....	S. T. G. T. nil, W. available.	South foot of pass.
				284	...	17000	.. ..	Yaks necessary.
20	Tsch Kun Kilian.	16	.	294	..	.. ..	S. F. T. nil, G. scanty, W. available.	North foot of pass.
21	Basilik Aghse ...	12		306	...	.....	Ditto	Camping ground.
22	Chiguluk Aghse	15	...	321	..	.....	Ditto	Ditto.
23	Akshor ...	15	..	336	..	.....	Ditto	Hamlet.
	<i>Saryk Aryk</i> ...	...	...	346	...			
	<i>Yut Kuduk</i> ...	...	...	350	...	Tazgun ford.		
24	Kilian ...	20	..	356	...	.....	S. F. G. W. and T. moderate.	Large village of 150 houses, where renew supplies.

25	Bash Langar ...	14 ...	370 ...	... ..	dulating ground.	.....	.....	.....	S. F. T. nil, G. W. available.	Village, buy fruit.
	<i>Doghri Kuprik</i> ..	... ..	377 ...	...					
26	Bora, Oasis ...	14 ...	384 ...	... ..	Road gradually rises over undulating ground for 8 miles and then along a chul flat to Kargalik.	.....	... ..	.....	S. and T precarious, F. G. W. available.	Village in oasis, well cultivated, where join route from Sanju.
27	Besh Aryk ...	25 ...	409 ...	... ..		.....	.....	.....	S. and T. nil, F. G. W. moderate.	Village.
28	Kargalik ...	6 ..	415 ...	... ..	... ..	Across drainage of Tarim valley	.....	4500	S. F. G. W. and T. plentiful.	Large town and bazar, 1000 houses.
	<i>Kulchi</i> ...	... ..	422 ..	... ..	Road from Kargalik to Yarkand through cultivated and watered country.	.....	Tezab ford.			
29	Yak Shambeh ...	11	426 ...	... ..	... ..	... ..	... ..	.....	S. F. G. W. and T. moderate.	Village, 300 houses.
			431	... ..	... ..	... ..	Tiznaf ford.			
30	Posgam ...	13 ...	439 ..	... ..	... ..	.....	... ..	4200	Ditto	Large village, 600 houses.
	<i>C., E.—</i>									
31	Seh Shambeh ...	9 ..	448 ..	... ..	.....	.....	Yarkand or Zarafshan ferry.	.....	S. T. nil, F. G. W. plentiful.	Hamlet.
	<i>Longar Alim Akhoon</i> ...	... ..	454 ...	... ..	.....	.....	Zulchak river			
32	Yarkand ...	8 ...	456 ...	... ..	Good road through gardens and cultivation well shaded by trees for 9 miles from Yarkand, traversed by arbas.	.....	... ..	3950	S. F. G. W. and T. abundant.	Large and ancient city, Fortress, bazars. Residence of Governor, centre of trade.
	<i>P. O., B., C, E—</i>		460 ...	... ..	... ..	.....	Opah bridge.			
33	Kok, Robot, oasis	25 ..	481 ...	... ..	... ..	... ..	... ..	3830	S. and T. nil, F. G. W. plentiful.	Village, 400 houses.
34	Ak Robot ...	15 ..	496 ...	... ..	Road through chul or stony desert.	.....	.....	.....	Ditto, W. brackish.	
	<i>B.—</i>									

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.		
		INTER-MEDIATE.	TOTAL.								
		m.	f.	m.	f.						
LXXVII ROUTE—contd. ...		...	...	496	...						
35	Kizil, oasis <i>C., E.—</i>	15	...	511	...	Good road through oasis, then over a chul or stony desert.	.....	Kizil ford	3910	S. and T. nil, F. scanty, G. W. available.	Large village, 300 houses, iron works.
36	Topaluk	14	...	525	..	.. ..	.....	.....	.....	S. F. T. nil, G. W. available.	Small village, iron works.
37	Yangi Hissar <i>B., C., E.—</i>	16	..	541	...	Good carriage road 25 feet wide traversed by arbas. The road is lined by trees and runs through a well watered and cultivated country, 6 miles from Yangi Hissar, 10 miles round Yapchan, and 9 miles from Kashgar.	.....	Shahnaz Bridge.	4320	S. F. G. W. and T. plentiful.	Large town and fort, 600 houses.
	<i>Soghotuc</i>	..	...	556	..						
38	Yapchan	25		566	..		.. ..	Crossed several branches of the Gez river.	4210	S. F. G. W. and T. plentiful.	Large village, 250 houses.
	<i>Tazgun</i>	...	...	571	..		.. ..	Tazgun bridge			
	<i>Karasu</i>	...	...	575	..		.....	Karasu "			
39	Yangi Shahr	15	..	581	..	.....	.....	Kizil Su or Kashgar river.	4060	S. F. C W. and T. abundant.	New city and fortress.
40	Kashgar <i>P. O., B., C., E.—</i>	5	...	586	..	.....	.....	.. ..	4043	Ditto	Capital of Chinese Turkistan. Large and ancient city, bazars, centre of trade.

There are 3 improvements being made on the Kashmir side in this road from Leh.

A new road over the Khardong pass with an easier gradient to summit, avoids the glacier on further side and descends to Shayok valley with a fairly easy gradient.

Blasting of a road ($\frac{3}{4}$ mile through solid rock) up the month of the Tutyalak ravine to circumvent the Karawal Dawan, to avoid this high spur and shorten the distance.

New approaches on both sides to the great glaciers on the Saser pass.

From Yarkand, a road branches westwards to Tashkurgan in Sarikol by Yakarik 20 miles, over Shaitan kum desert to Kiziltagh 23 $\frac{1}{2}$ miles, Arpalik 15 $\frac{1}{2}$ miles, crossing two low passes, Kizil Diwan and Kara Diwan to Khaizak 21 miles, on the Charling river and up this valley by Tashkerim 14 $\frac{1}{2}$ miles, to Chehil Gombaz 19 miles, over Torat pass 13,400 feet, to Past Robot 9,370 feet 9 miles, Tarbashi 11,515 feet 8 miles, Shindi 17 miles, Tashkurgan 10,270 feet 19 miles—Total Yarkhand to Tashkurgan 188 miles.

From Yangi Hissar another road branches south-westwards and joins the foregoing at Chehil Gombaz 10,310 feet, by Ighizyar 19 miles, Aktala 17 miles, Sasak Taka 13 miles, Kaskasu 14 miles over Kaskasu pass 13,000 feet to Chehil Gombaz 8 $\frac{1}{2}$ miles—Total Yangi Hissar to Chehil Gombaz 71 $\frac{1}{2}$ miles and to Tashkurgan 124 $\frac{1}{2}$ miles.

From Tashkurgan 10,270 feet these roads continue in the same direction S. W. by Khanshabur 12,980 feet 17 miles, over Nesa Tash pass 15,000 feet, to Aktash 12,600 feet 18 miles, Ghazkul lake on Little Pamir 13,200 feet 46 miles, Langar 12,530 feet 25 miles, Sarhad 11,150 feet 24 miles, Kila Panja 55 miles—Total Tashkurgan to Kila Panja 185 miles.

LXXVIII LEH to YARKAND or KASHGAR by SHAYOK VALLEY, KARA KORAM and YANGI DAWAN PASSES.

Zamistani or winter route when Shayok river is frozen over with thick ice. Drew, Trotter, Bellec—Distances approximate.

	Leh <i>P. O., D. B., C., E.—</i>	..	..	...	..	...	Up ravine north-east of Leh.	.....	11500	S. F. G. W. and T. abundant. Take through supplies and transport to Yarkand.	Large town, fort-capital of Ladak. Palace of Gialpoor of Raja. Residence of Wazir and British Joint Commissioner.
	<i>Sobu</i> ...	...	...	5	...	Ascent to pass steep and rough, descend a long stony slope covered with snow, then over bogs and moorland. Road fair.					
1	Polu ..	...	10	...	10		..	.....	..	S. F. T. nil, G. W. scanty.	Huts.
					14	...	Digar or Laswan La, down Lungthung Loongma.	.....	17900	...	Yaks necessary.
2	Digar ... <i>E.—</i>	...	14	...	24	...		.....	13080	S. F. T. scanty, G. W. plentiful.	Village on plateau.

NUMBER OF MARCHES.	NAMES OF STAGES	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.		
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>								
	LXXXVIII ROUTE—contd....	...	...	24	...						
3	Agham, left bank ... <i>E.—</i>	8	...	32	...	Road fair eastwards to Chang jungle, whence it turns northwards and becomes rough, in places rugged.	Up Shayok valley	Cross Shayok river 24 times between this and Murghai.	10500	S. and T. nil, F. G. W. plentiful, spring.	Village on left bank of Shayok river. Complete supplies here.
4	Pakra, right bank ...	12	...	44	...	.....	.....	11000		Ditto	Camping ground.
5	Chimchak, right bank.	10	...	54	...	.....	.....	11600		Ditto	Ditto.
6	Lamakyent, right or Shayok, left bank.	8	..	62	...	The river bed where crossed is sandy or gravelly.	.....	Shayok river frozen over 4 months in winter above this, when people travel over the ice.	12200	S. and T. nil, F. G. scanty, W. plentiful.	Village on both banks.
7	Chang Jungle, <i>right bank.</i> <i>Changthang Jilga</i> ...	18	...	80	..	Between Agham and Maudarlik little snow falls, but above Maudarlik to Brangsa continual snow in winter though the road is never closed.	.....	.....	12800	S. and T. nil, F. G. W. plentiful.	Pasture ground.
	<i>Kubutar Khana</i> ..	...	..	89	...			.....		...	Junction of Chang Chenmo and Shayok road eastwards by Chumurti to Rudok.
8	Dong Aylak, left bank.	18	.	98			...	...	13000	Ditto	Halting place.
	<i>Yarghuluk Fort</i> ..	...	...	108	...						

9	Mundarlik , <i>right bank.</i>	20	...	118	...	.....	.. ..	.....	13300	Ditto	Camping ground.
	<i>Yartwi</i> ...	...	...	121	...	.....	.. ..	Kura Jilga.			
10	Kutaklik , <i>left bank E.—</i>	12	...	130	...	From Kutaklik up Rout valley to Bulak-i-Murgai about 14 miles, where join summer route	.. ..	Rout uala	13500	Ditto, spring	Ditto.
11	Sultan Chuskum , <i>left bank.</i>	15	...	145	...	over Dipsang plain, or continue up Shayok river on the ice through a narrow and winding strait between the glaciers on right bank and the cliff opposite on left bank to Gapshan.	.. ..	.. ..	14000	S. and T. nil, F. G. scanty, W. plentiful.	Ditto.
	<i>Brangsa Saser on right bank opposite.</i>	...	...	155	...		.. ..	.....	15000.		
12	Dan-i-Murghai or Kamdan , <i>left bank.</i>	18	...	163	...		.....	.....	.....	Ditto	Ditto.
13	Gapshan ...	9	..	172	...	Road rough, crossing many spurs and ravines.	.....	.....	...	S. and T. nil, F. G. scanty, W. plentiful.	Ditto.
14	Daulat Beg Uldi <i>E.—</i> <i>Chajosh Jilga</i> ...	15	...	187	...	Lower approaches gradual and upper approaches sudden and steep on both sides.	Up ravine northwards. Karakoram pass.	Chipehak ford.	16880	S. F. G. T. nil, W. available.	Join summer route.
		...	...	195	...			.....	18300	.....	Marble slab in memory of A. Dagleish.
		...	...	200	...						
15	Balti Brangsa ... <i>E., Rock shelter</i>	22	...	209	...	.....	Down Zarafshan or Yarkand valley to Kulan Uldi.	.....	17180	Ditto	Camping ground.
	<i>Wahab Jilga</i> ...	...	..	223	...	.....	.....	.....	16000.		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.		
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>								
LXXVII ROUTE—contd. 223 ...											
16	Aktagh or Malik shah. <i>E.--</i>	28	...	237	...	Road rough down Yarkand valley to Kulan Uldi, thence northwards across Kuenlun range, head of Tiznaf valley and intermediate range and down Kugiar valley to Kargalik, passable throughout for laden animals.	15590	S. F. G. T. nil, W. available, a little grass in summer.	Leave summer route here.
17	Khufe lung ...	20	...	257	...	.....	.....	.....	S. and T. nil, F. G. W. available.	Camping ground.
18	Kashmir Jilga ... <i>Khirghiz Jungal</i>	12	...	269	...	.....	.....	.....	Ditto	Ditto.
19	Kukat Aghzi ...	26	...	295	...	.....	Cross Yarkand river several times.	12870	Ditto	Ditto.
20	Kulan Uldi ...	15	...	310	...	Up narrow, tortuous and deep gorge with easy ascent and descent to pass. Along course of Tiznaf river.	Up ravine northwards. Yarkand ford	12650	Ditto	Ditto.	
21	Chiragh Saldi ... <i>Kirghiz Tam</i>	12	...	319 322	...	Down Tiznaf valley.	.....	15800 14200	S. and T. nil, F. G. W. procurable.	Ditto.
22	Gurunj Caldi ...	14	...	325 336	...	.....	Cross Tiznaf numerous times, in winter frozen over, in summer	..... 11900	S. and T. nil, F. G. scarce, W. procurable. S. F. G. T. nil, W. available.	Kirghiz Camps. Ditto.

23	Duba	..	9	..	345	..	.....	.....	.....	10000	.....	Pasture ground.
24	Khoja Mazar	..	6	..	351	..	.....	.....	S. T. nil, F. G. W. plentiful.	9250	S. T. nil, F. G. W. plentiful.	Pakhp camps.
25	Chighlic	..	18	..	369	..	3 miles up river at Kughda-su are copper mines and works.	Tupa Dawan	8250	10200.	S. F. T. nil, G. W. available.	Grassy flat with willows and poplars.
26	Ak Musjid <i>Posar</i>	..	12	..	381	..	Very steep rise between hills of loose dust and similar descent very dusty.	Down Kugiar valley.	8500	.....	S. F. G. T. nil, W. procurable.	camping ground.
27	Kugiar, oasis <i>C, E.</i>	..	24	..	405	..	Road fair over gravelly waste and sandy desert, traversed by sandy ridges to about 3 miles of Kargalik, where cultivation begins.	.....	6460	.....	S. and T. nil, F. G. W. available.	Village of 100 houses.
28	Yolaric, oasis	..	12	..	417	..	.....	River bed	.....	.....	Ditto	Hamlet.
29	Besht Aryk, oasis	..	12	..	429	..	.....	.....	.....	.....	Ditto	Ditto.
30	Kargalik <i>B, C, E.</i>	..	20	..	449	..	Road good, 20 feet wide through well watered and cultivated country.	Across drainage of Farin valley.	4370	.....	S. F. G. W. and T. plentiful.	Town, 1,000 houses.
31	Yakshamba bazar <i>B.</i>	..	16	..	465	..	Over cultivated plain with farms, meadows and marshes.	.....	.....	.....	S. F. G. W. and T. moderate.	Village, 300 houses, bazar.
32	Yangichak <i>B.</i>	..	18	..	483	..	.....	.....	4200	.....	S. F. G. W. and T. plentiful.	Large village, 600 houses, and bazar.
		..		..	484	..	Over cultivated plain, well stocked with trees.	.....	.....	.....	.....	Settlement.
		..		..		..		Yarkand or Zaratshau river.				

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
LXXVIII ROUTE—contd....		...	...	484	...					
	<i>Langar Ali Akhoon ...</i>	...	...	490	.....				
33	Yarkand <i>P. O., B., C., E.—</i>	12	...	495	...	Road good, 20 to 25 feet wide, lined with trees near the towns passing through a well watered and cultivated country. Road traversed by arbas.	.....	3923	S. F. G. W. and T. abundant.	Large town and fortress. Centre of trade, numerous bazars. Residence of Amban.
				499	...		.....	Opah bridge.		
34	Kok Robot, oasis <i>C., E.—</i>	25	...	520	...		.....	3530	S. and T. nil, F. G. W. plentiful.	Village, 400 houses.
35	Ak Robot	...	15	...	535	..	.....	.....	S. F. T. nil, G. W. procurable.	Halting post.
36	Kizil, oasis	...	15	...	550	..	.....	3910	S. G. W. T. moderate, F. scanty.	Village, 300 houses and a few shops. Iron mines and works.
37	Topaluk	...	14	...	564	...	.....	.....	S. F. T. nil, G. W. scanty.	Iron works
				575	...		.....	.....
38	Yangi Hissar	...	16	...	580	..	.....	4320	S. F. G. W. and T. plentiful.	Fort and bazar. Town of 600 houses.
	<i>Silla</i>	...	..	...	590	...				
	<i>Khanka</i>	...	...	...	594	...				
						Road good through cultivation with 10 miles of pasture ground in middle of stage.	.....		
										Crossed several branches of the Gez river on both

39	Yapchan ...	25	...	605	...	Road good through irrigated country watered by canals.	...	sides of Yapchan	4210	S. and T. nil, F. G. W. plentiful.	Village, 250 houses.
	<i>Tazgun</i> ...	...	...	610	...	Garden cultivation commences 3 miles from Yangi Shahr.	.....	Tazgun ford. Karasu bridge.	.....	.....	New fortress and city.
40	Yangi Shahr ...	..	..	620	...	.....	.....	Kizil su or Kashgar river.	4063	.....	.....
	Kashgar ...	20	...	625	...	.....	.....	.....	.....	S. F. G. W. and T. abundant.	Capital of Turkistan. Large town and bazars. Residence of Taotai. Centre of trade.
	<i>P. O., B., C., E.—</i>										

LXXIX LEH to YARKAND and KASHGAR by CHANG CHENMO, AKTAGH and SANJU PASS.

Drew, Biddulph, Trotter, Bellew, Henderson.—Distances approximate.

	Leh ...	...	...	0	..	Road good	...	Up Indus valley on right bank.	.....	11500	S. F. G. W. and T. abundant. Take through supplies and transport to Yarkand.	Large town and fort. Capital of Ladak. Palace of Gialpoor Raja. Residence of Wazir and British Joint Commissioner.
1	<i>P. O., D. B., C., E.—</i>											
	Tikze ...	12	...	12	..	Road fair, for 12 miles, leave Indus and path turns up Sakti valley well cultivated.	.....	Sabufoo	.....	.....	S. F. G. W. and T. plentiful.	Large village and Monastery, much cultivation.
	<i>Tunglasha</i> ...	...	...	16	4	.....	.....	Nang "	.....	.....	.....	.....
				24	..	.....	.....	Sakti "	.....	.....	.....	.....
2	Chimre ...	17	...	29	..	.....	.....	Up Sakti valley.	.....	11890	S. F. G. W. and T. moderate.	Ditto.
	<i>E. bad</i>											

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXXIX ROUTE—contd.		...	...	29	...					
3	<i>Sakti</i>	33	4	Gradual ascent and descent over pass, winding through rocks and boulders.	15780	S. and T. nil, F. G. W. available.	Halting place.
	Zingral E.— ...	8	...	37	...		Chang La Down Changl ravine.	17600	Kailas range.
4	Tsultak ...	8	...	45	...	...	.....	15950	Ditto	Lake, ditto.
	<i>Durgu</i> ...	...	...	53	...	Road along both banks of river to Tankse.	Up Sushal valley.	Sushal bridge.		
5	Tankse ...	...	...	57	4	.....	.....	Sushal ford.		
		14	...	59	...	.....	.....	12900	S. F. G. W. and T. plentiful.	Large village and store house.

From Chimré 29 miles, there is a route northwards up the Mungri branch of the Sakti nala, to Tagnuk 10 miles, cross Waris La 17,300 feet, an easy pass of the Kailas range dividing the Indus and Shayok valleys, to Tayar 20 miles, where a cross road is joined starting from Satti on the Shayok river opposite Khar char eastwards and up valley to Agham 20 miles, Tayar 13 miles, cross Nobbok La to Durgu 24 miles, and Tankse 6 miles.

From Durgu there is also a branch road northwards 10 miles long to Shayok on the left bank of the Shayok river.

From Zingral 37 miles, there is another shorter route to Tankse 57 miles by the Kay La, 17,900 feet and Kay Tso down the Kay Loomba, but the pass is more difficult for laden animals.

From Tankse are paths southwards over high passes leading to Ugu and Shera on the Indus.

	<i>Muglib</i>	...	...	67	...	Road from Tankse through gorge for 6 miles, then in open valley.	.....	.....	.....	.....	Hamlet.	
6	Chakar Talao	...	14	...	73	...	Road fair	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Tank dry in summer.
7	Lukong	...	7	4	80	4	Road over pasture ground.	.....	.....	14130	Ditto	Two miles distant from N. W. end of Pangong Lake.
8	Chagra	..	8	...	88	4	Road over undulating ground.	.....	.....	15090	S. F. T. nil, G. W. plentiful.	Stone huts.
9	Rimdi	...	13	...	101	4	Gradual ascent and descent over pass.	Lunkar La or Marsimik pass. Down Rimdi valley. Across Chang chenmo valley and up Kugrang branch valley.	.....	18400.	Ditto, F. scarce.	Camping ground.
					111	...	Road becomes very stony.		Chang			
10	Pamzal	...	13	..	114	4	Road good	.....	.....	14790	S. and T. nil, F. G. W. plentiful	Ditto, road westwards down Chang chenmo valley, left bank to Shayok river about 40 miles.
11	Gogra	...	12	4	127	..	Road good, with several steep ascents and descents over tributary streams.	.. ..	.. ..	15570	S. G. T. nil, F. W. plentiful.	Ditto.
					133	...		.....	.....	.....	.....	Road branches northwards over Chang lung Burma La.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXIX	<i>ROUTE—contd.</i>	...	133 ..						
12	Kota Jilga	8 ...	135 ...	Road gentle ascent through a broad stony ravine for 4 miles and then steeper	....	... ..	16730	S. and T. nil, F. G. W. procurable.	Camping ground.
13	Pangtong	7 4	142 4	Gentle ascent to pass, high table land one mile, and bad road along ravine.	.....	.....	17250	Ditto	Ditto.
			147 ...		Chang lung pass.	... ..	18910.		
14	Sumzungling	15 ...	157 4	Gentle ascent to high table land, road fair	... ..	.....	17310	S. F. T. nil, G. scanty, W. available.	Ditto.
			162 4		Cross west end of Lingzi thang plain.				
15	Dehra Compas	19 ...	176 4	... ..	Dehra pass	Branch Karakash ford	17890	S. F. G. T. nil, W. scanty by digging.	Ditto.
			178 ...	Road good but stony.	.....	Karakash ford.	18160.		
			182 ...	.....	Down Karakash valley.				
			185 4						
16	Shinlung or Dang lung	18 ...	194 4	Road bad and stony across ice beds, slippery and difficult for laden animals.	.....	...	17030	S. G. T. nil, F. W. plentiful.	Ditto.

17	Kizil Jilga	...	14	4	239	.....	.....	Karakash river.	16360	S. and T. nil, F. G. W. procurable down valley.	Ditto.
	<i>Khushk Maidan</i>	...	...	...	257	...	.....	.....	.....	F. G. W. available.	
18	Chung Tash	...	23	4	262	4	.....	.....	15740	S. F. G. T. nil, W. available.	Ditto.
	<i>Rock shelter</i>	...	...	...	264	4	Road leaves Karakash river, and ascends tributary, bad for 3 miles, and then across plain.	Up ravine	Cross stream several times.		
19	Shor Jilga	...	14	..	276	4	Road up ravine rough to pass with short sharp descent into open plain.	.....	.....	.....	Ditto.
					281	..	Road over a rid stony plateau.	Karatagh pass.	.....	17710.	
20	Karatagh	...	9	...	285	4	Road good over level plain.	.....	.....	16890	S. G. T. nil, F. W. procurable.
	<i>Tamba</i>	...	...	...	296	6	On right bank Yarkand river.	Yarkand valley.	.....	15590	S. F. G. T. nil, W. available.
21	Aktagh or Malik-shah	...	22	4	308	...	Road over a rid stony plateau.	Up ravine.	.....	16480	S. F. G. T. nil, W. scanty.
	<i>E.—</i>				318	...	.....	.....	.....	17600	Few stone enclosures.
22	Chibra	...	10	...	318	...	.....	.....	16480	S. F. G. T. nil, W. scanty.	
					324	...	Gradual ascent to pass, steep descent into ravine, crossing high moraines of granite boulders on right bank Suget stream.	Suget Dawan. Down Suget valley.	.....	17600	
	<i>Kutas Jilga</i>	...	...	...	330	...	.....	.....	.....	12970	S. T. nil, F. G. W. plentiful.
23	Suget	..	21	...	339	...	.....	.....	Cross Suget stream several times.	.....	Camping ground.
	<i>E.—</i>				343	...	.....	Down Karakash valley.	Cross Karakash river	.....	Junction of Suget and Karakash rivers.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXXIX	<i>ROUTE—condt.</i> ...	...	...	343	...						
24	Shahidula Khoja	8	...	347	..	On left bank Karakash river, continues down this winding valley by a rough road.	.....	twice. Ditto, three times. Toghra ford.	11780	S. T. nil, F. G. W. available.	Old fort erected by Maharaja of Kashmir. Kirghiz Camps around.
	<i>Toghra su</i> ...	...	...	352	...		.....	
	<i>Ali Nazar Kurgan</i> ...	...	...	356	...						
	<i>Kilian su</i> ...	...	...	357	...	.....	.....	Kilian ford	.....	.....	Junction of valley, up which road diverges to Kilian pass.
25	Pillata gach ...	14	...	361	..	.....	.....	Forded Karakash river twice.	.....	Ditto	Pasture flat.
	<i>Mazar Mirza Abubakar</i> ...	...	...	367	...	Left Karakash valley turning up narrow glen to left, ascending a tortuous gully by a steep, narrow and rough path.	Up ravine.				
26	Kichik Kara Koram.	10	...	371	...		.....	Crossed torrent several times.	12050	S. F. G. T. nil, W. melted ice.	Halting place in gorge.
	<i>Zukongra</i> ...	...	...	374	...	Falling stones, dangerous ascent up a narrow, wind-					
	<i>Koramlik jilga</i> ...	...	...	378	..		Sanju Dawan or Grim pass.	.....	16300	.....	Yaks necessary.
		...	...	382	...						

27	Gachaka	...	18	...	389	...	ing, rocky gully over landslips and great rocks. Ice field on top, then sudden drop down steep slope liable to avalanches of snow and along rapidly falling defile.	Down Sari-ghyar valley.	Crossed Sari-ghyar river by numerous fords.	10100	S. F, T. nil, G. W. available.	On Sarighyar river, Kirghiz camps in vicinity.
28	Tam <i>E.—</i>	...	10	...	399	...		.....	.....	8750	S. T. nil, F. G. W. available.	Hamlet, cultivation on Sari-ghyar river.
	<i>Chuchu glen</i>	...	...	...	404	...	Road down narrow and winding defile.	.....	.....	.....	.....	Road to Chuchu pass 11,850 ft. on right and down Arpalik valley to Sanju.
29	Kiwaz	...	16	...	415	...	Road down an expanding valley for 4 miles and through fields and gardens to Sanju.	.....	Sarighyar ford.	.....	Ditto	Detached huts in flat sandy basin.
30	Sanju <i>C., E.—</i>	...	12	...	427	...	Cultivation extends for 12 miles up and down river.	.....	Sarighyar ford.	6070	S. F. G. W. and T. ample.	Town of 1,200 houses on Sari-ghyar river. Country well cultivated, orchards and gardens.
	<i>Langar</i>	...	...	...	443	...	Road chiefly through desert over sand and gravel to Besh Aryk.	.....	Kilian ford	.....	S. T. nil F. G. W. moderate.	Village on Kilian river.
31	Kush tak	...	25	...	452	...		.....	
32	Oi Tograk, oasis	...	20	...	472	...	.....	.....	.....	5760	S. and T. nil, F. G. scanty, W. plentiful.	Settlement.
33	Bora, oasis	...	12	...	484	...	.....	Across Tiznaf valley.	.....	5340	Ditto	Centre of farms along course of stream.
	<i>Besh aryk, oasis</i>	...	...	...	499	...	Road good through irrigated fields.					

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXIX ROUTE—contd.									
34	Kargalik <i>B., C., E.—</i> <i>Yak shamba bazar</i> <i>C.—</i>	22	506	Road through populous and highly cultivated tract with occasional strips of marsh, tamarisk jungle and waste.	.....	.....	4370	S. F. G. W. and T. plentiful.	Market town of 1,000 houses. 300 houses.
			523		.....	Tiznaf ford.			
35	Posgam <i>E.—</i> <i>Langar Zilchak</i>	25	531	.....	Across Yarkand valley.	.....	4200	S. F. G. W. and T. moderate.	Large village and bazar of 600 houses.
			543	Road good fit for arbas.	.....	Yarkand or Zarafsham river.	.. ...	.....	Aygachi boat ferry few miles below ford.
36	Yarkand <i>P. O., B., C., E.—</i> <i>Sughu chak</i> <i>Rabat chi</i>	17	548	Extensive garden cultivation.	.....	.....	3958	S. F. G. W. and T. abundant.	Large city and fortress, centre of trade, residence of Amban.
			552	.....	.....	Opah bridge.			
			558	.....	.....	.....	.....	.....	Post stage.
			563	Road over sandy waste interspersed with green patches or oases of cultivation.	... ..	.....		....	Village of 200 houses.
	Kok Robot, oasis... <i>B., C., E.—</i>	25	573		... ..	.....	3830	....

	<i>Ak Robat</i>	...	...	589	..	Road over gravelly desert.	.....	.....	.. ...	2 Wells, W. brackish	Post stage.
38	Kizil <i>B., C., E.—</i>	...	30	603	...	Road over 10 miles of thin pasture, and then over waste and desert to Shahnaz.	.....	Kizil ford	3910	S. and T. nil, F. G. W. available.	Large village of 500 houses, iron works, brought from hills, 2 marches west.
	<i>Topaluk</i>	...	...	617	..		.....	.....	.....	.....	Village.
	<i>Sugat Bulak</i>	...	...	623	...		.....	.....	.....	.....
	<i>Shahnaz</i>	...	...	628	...		.....	Kayragh ridge. Shahnaz bridge.	.....	.....	Post stage.
39	Yangi Hissar <i>B., C., E.—</i>	...	30	633	..	Road over thinly cultivated country and saline plain or sandy wastes, with isolated scattered homesteads.	.....	Crossed two canal bridges.	4320	S. F. G. W. and T. moderate.	Small town of 4,000 houses and fort.
	<i>Sogholuc</i>	...	...	648	...		.....	
				652	...		.....	Khan Aryk bridge.	.....	.....	Garden.
				655	...		.....	Kusan "			
40	Yap chan <i>B., C., E.—</i>	...	25	658	..	Road over plain of sandy waste, and marsh to the Karasu river, and then through high cultivated tract with orchards and gardens.	Across Tazgun valley.	Three canal bridges.	4210	Ditto	Large village.
	<i>Tazgun</i>	...	...	663	...		.....	Tazgun "			
	<i>Karasu</i>	...	...	667	..		.....	Karasu "			
	<i>Yangi Shahr</i>	...	..	673	...		.....	.. ...	4043	.. ...	New fortress and city.
41	Kashgar	...	20	678	...		.....	.....	.....	S. F. G. W. and T. abundant.	Large city, capital of Turkistan; residence of Taotai or Governor.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

LXXIX^a GOGRA to SHAHIDULA by LINGZITHANG PLAINS, CENTRAL CHANG CHENMO ROUTE—*Hayward, Drew.*—
Distances approximate.

	Gogra	...	...	..	127	..	Road good and passable throughout for laden animals from Chang Chenmo valley up the Kugrang valley, then branching up the Chung lung valley to the north-east, steep ascent and gradual descent, winding track along hill side, crossing many spurs and ravines.	Up Kughang and Chang lung valleys.	.....	15570	S. T. nil, G. scarce, F. W. plentiful.	Camping ground.
					133	...		.....	Hot springs.			
					136	...		.....	.....	.....	.. ..	Path up eastern ravine to Chann lung Yokma La.
12	Shamal Lungpa	12	...	139	...	...		.....	.....	17020	Ditto	Ditto.
					146	...		Chang lung Burma or Cayley's pass.	.....	19300.		
13	Nischu	...	14	2	153	...		.....	.....	18630	S. F. G. T. nil, W. available.	Ditto.
	<i>Kala Pahar</i>	..	...	...	159	4		.....	.....	19300	.. ..	Sunshal plain.
14	Lingzi thang	...	16	4	169	4	Road good	...	Across the Lingzi thang plain.	17680	S. G. T. nil, F scarce, W. by digging.	Halting place.
15	Jangal	...	17	...	186	4	Ditto	...	.....	.....	S. F. G. T. nil, W. precarious.	Small ford.

				202	4	Gentle ascent and descent.	Kizil Diwan. Down Kizil Gilga ravine.	.....	17290		
16	Sumna	...	21	4	208	...	Road good	.....	17150	S. T. nil, F. G. W. procurable three miles down.	Camping ground.
17	Kizil Gilga	...	9	...	217	...	Road excellent	Down Karakash valley.	16360	S. T. nil, F. G. W. plentiful.	Two huge red rocks on Karakash river.	
					222	...	Water disappears from ground for 11 miles.					
18	Khushk Maidan	...	17	...	234	...	Road good	.....	.....	S. T. nil, G. scarce, F. W. plentiful.	Numerous springs.
19	Chungtash	...	7	...	241	...	Road through narrow gorge in parts stony and bad.	.....	15740	S. F. G. T. nil, W. plentiful.	Camping ground.
					247	..		.....	Hot springs	.....	On right bank of Karakash river.
20	Sumnal	...	13	...	254	.	Valley opens out for 3 miles, then narrows and road is obstructed by huge boulders and masses of debris.	Cross Karakash river often.	15540	S. T. nil, F. G. W. plentiful.	Junction of Nala.
	<i>E. good—</i>				257	...						
	<i>Zinchin</i>	...	...	...					
21	Tak Marpo	...	11	...	265	...	Valley opens out and road good.	15000	S. T. nil, F. scarce, G. W. plentiful.	Yellow rock on left bank.
	<i>E. good—</i>											
22	Pulong Karpo	...	21	...	286	14600	S. T. nil, F. G. W. abundant.	Huge rock on left of valley.
	<i>E. good—</i>				294	...	Road branches up broad valley over the K n e n l u n range by Ilchi or Yangi Diwan pass to Khotan 160 miles distant.	14000	Ditto	Natural salt pans.
23	Sora	...	15	..	301	...		.....	.....
	<i>E. good—</i>											

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXXIX^a ROUTE—contd. ...		...	...	301	...				
24	Kara Jilga ...	17	...	318	...	Kara Jilga	.....	S. T. nil, F. G. W. abundant.	Mouth of small ravine.
25	Sumgal <i>E.—</i> ...	25	4	343	4	.....	.....	Ditto	Camping ground on right bank Shayok
				348	4	.....		
	<i>Fotash F. left bank</i> ...	...	...	350	4				
26	Gul bashem ...	17	...	360	4	.....	12390	Ditto	Kirghiz ditto on right bank of Karakash river.
27	Bulakchi ...	10	...	370	4	.....	.....	Ditto	Ditto.
				376	4				
28	Shahidula <i>E.—</i> ...	13	..	383	4	.....	11780	Ditto	Old fort on left bank of Karakash river.

LXXX LEH to KHOTAN by ILCHI or YANGI DEWAN PASS—*Johnson.—Distances approximate.*

	Leh	...	...	...	...	Road good and passable for laden animals.	Up Indus valley.	.....	11350	S. F. G. W. and T. abundant.	Capital of Ladak, large town and fort. Palace of Gialpoor Raja.
1	Tikze	...	13	...	13	.....	.....	...	.....	S. F. G. W. and T. plentiful.	Village and Monastery.
					24	.....	Up Sakti valley.				
2	Chimre	...	16	...	29	.....	.....	.....	.....	S. F. G. W. and T. moderate.	Ditto.
	<i>Sakti</i>	..	...	...	35	Very steep ascent from Sakti to Zingral.	.....	.....	.....	.....	Large village, well cultivated.
3	Zingral	...	11	...	40	.....	.....	.....	.....	S. T. nil, F. G. W. available.	Halting place.
					44	Ascent to, and descent from, pass easy.	Chang La. Down Chang ravine, up Durgul valley.				
4	Durgu	..	15	...	55	Road on both banks of Durgul river.	.....	.....	.....	S. T. nil, F. G. W. procurable.	Small village, well cultivated.
5	Tankse	...	7	...	62	.....	.....	Cross Durgul river several times.	.....	S. F. G. W. and T. plentiful.	Small village, central store depôt.
	<i>Muglib</i>	...	...	...	69	.....	.....	.....	.....	.....	Hamlet.
6	Sowar or Chiri	..	13	..	75	.....	.....	.....	.....	S. T. nil, F. G. W. available.	Small lake, no houses.
	<i>Lukum</i>	...	...	...	85	.....	Up Loonkur valley.	.....	.....	.....	Pangong Lake western end.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXXX	<i>ROUTE—contd.</i> ...	...	...	85 ...					
7	Chagra ...	15 ...	90 ...	Road good ...	.....	.....	14917	S. T. nil, F. G. W. available.	Shepherds' Camp.
			97 ...	Descent boggy from snow.	Marsimik La	.....	18990	.....	Pang lung range.
8	Rimdi ..	11 ...	101 ...	.....	Across Chang Chenmo valley	.. .	.....	Ditto, F. scarce.	Grazing ground.
9	Pamchalam ...	14 ...	115 ...	.....	.....	.. .	.....	S. T. nil, F. G. W. plentiful.	Ditto.
10	Kiam ...	12 ...	127 ...	On left bank of Chang Chenmo river. Road level ...	.....	Hot spring 179°, Sulphur and Soda. Cross Chang Chenmo river several times. Chang Chen- mo ford.	17045	Ditto	Ditto.
11	Lumkang ...	18 ...	145 ...	On right bank of Chang Chenmo river.	Up ravine	Chang Chen- mo ford.	17501	S. T. nil, F. G. scarce, W. plentiful.	Halting place.
			153 ...	Road good and ascent gradual.	Lum kang La	.....	19501.		
12	Nischu ...	20 ...	165 ...	Road good ..	.....	.....	17680	Ditto, G. nil.	Ditto
13	Burcha thang ...	18 ...	183 ...	Ditto ...	Lingzi thang plains.	.....	17425	S. F. G. T. nil, W. available.	Ditto

14	Tso thang	...	20	...	203	...	Soil covered with 6 inches saltpetre.	.....	.....	17024	Ditto	Small lake, salt.
15	Huzak har	...	15	...	218	...	Road fair	.....	.....	16684	Ditto	Small lake, fresh spring.
16	Mapothang	...	16	...	234	...	.....	.....	.....	15959	S. F. G. T. nil, W. brackish.	Small lake, water brackish.
17	Yangpa	...	25	...	259	...	Ditto soil covered with 9 inches saltpetre.	Up ravine ...	.....	15279	Ditto, W. brackish.	.....
					267	...		Khatai Diwan. Across Karakash valley.	.....	17500		
18	Kara Kash river...	...	18	...	277	...	Road hence along left bank of Karakash river to Shahidula.	Karakash ford	.....	15491	S. T. nil, F. W. plentiful, G. scarce.	Stone huts.
					286	...			.....	19092	.....	Kuenlun range.
19	Tash	...	19	...	296	...	Ascent to pass steep and difficult, much ice, descent rugged, road steep and bad, passable in June, July and August.	Yangi Diwan. Across Yangpa valley.	.....	15583	Ditto	Stone huts.
								Yangpa ford.	.....	15048	S. F. G. T. nil, W. available.	Ditto.
20	Kush lash langar	...	13	...	309	...			.....	18660		
21	Brinnga	...	22	...	331	...	..... Road bad, ascent to pass steep over large glacier, descent abrupt over glacier through granite rocks; road rocky and dangerous.	Naija Khan pass.	.....	11755	S. T. nil, F. scarce, G. W. plentiful.	Grazing ground. Wild senna plant.
22	Kapas	...	10	...	341	...		Down Yurung Kash or Khotan valley.	.....	10650	S. T. nil, worse grass and reeds, W. plentiful.	Stone hut.
23	Karangotak	...	16	...	357	...		Cross spur	.....	8735	S. T. nil, F. G. W. moderate.	Village of 500 houses, trees and cultivation.
					364	...	.....	.....	Khotan ford.			

NUMBER OF MARCHES	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXXX	<i>ROUTE—contd.</i> ...	...	364 ...						
24	Pisha ...	15 ...	372 ...	.....	.....	.....	8643	S. T. nil, F. G. scarce, W. available.	Village, 20 houses.
25	Buia ..	10 ...	382 ...	Ascent and descent of spur very steep, road bad, down rocky bed. Road good ...	Up ravine Bisha Diwan. Down Sirisu ravine.	.....	7692 10400	S. T. nil, F. scarce, G. W. plentiful.	Village, 100 houses.
26	Yangi langar ...	29 ...	411 ...	.....	.....	.....	5930	Ditto	Village, 30 houses.
27	Kumat langar ...	5 ...	416 ...	On right bank Sirisu.	.....	.....	5790	Ditto	Village, 150 houses.
28	Bezilia ...	10 ...	426 ...	Road sandy through well cultivated plain.	.....	.....	4678	S. F. G. W. and T. plentiful.	Village and bazar. 1,000 houses.
29	Ichi <i>B., C., E.—</i>	11 ...	437 ..	Town on left bank of Khotan river.	.....	Khotan ford difficult.	4320	S. F. G. W. and T. abundant.	Capital of Khotan, population 40,000. Town, fort, large bazar, country well cultivated.

Mr. Drew gives from Tso thang 17,100 feet, to Lokzhung 17,200 feet 16 miles, Thaldat 16,300 feet 15 miles, Yangpa 16,200 feet 30 miles, E. Karakash valley 15,000 feet 24 miles, Shnhidula 11,500 feet 81 miles, as taken by Adolphe Schlagiutweit. Also a diversion as taken by Dr. Cayley from Thaldat 16,300 feet, to Patsalung 16,400 feet 20 miles, Camp 15,900 feet 21 miles, E. Karakash valley 15,000 feet 12 miles.

LXXX^a KARGALIK to KIRIA in KHOTAN by ILCHI—*Johnson, Lansdell.—Distances approximate.*

	Kargalik	...	...	...	0	...	Carriage road over cultivated ground to Khush Langar, and thence over alternate chul and sandy desert, stony and arid to near Guma.	.....	.....	4370	S. F. G. W. and T. plentiful.	Large town of 1,000 houses.
	<i>Lob</i>	...	...	...	8	...						
	<i>Yakin Langar</i>	...	...	...	13	...						
1	Khush Langar	...	17	...	17	...		.....	...	.....	S. F. G. T. nil, W. scanty.	Picket station.
	<i>B.—</i>											
2	Chulak Langar	...	16	...	33	...	.....	.....	.....	.....	Ditto	Walled garden.
	<i>B.—</i>											
	<i>Silak Langar</i>	...	...	...	42	...						
3	Hajif Langar	...	14	...	47	...	.....	.....	.....	.....	Ditto	Garden.
	<i>B., E.—</i>											
4	Guma	...	9	...	56	...	Traversed about three miles cultivation and plunged into sandy desert and chul to Janghnia.	.....	Kilian ford	4340	S. F. G. W. and T. moderate.	Large town and bazar.
	<i>B., C., E.—</i>				59	...		.....	Branch of Kilian ford.			
	<i>Cholo</i>	...	...	...	66	...		.....	.....	.....	.....	Village of 60 houses.
	<i>Mukhi La Langar</i>	...	...	...	68	...						
	<i>Chuda, oasis</i>	...	...	...	76	...	.....	.....	.....	.....	.....	Large village.
5	Moji, oasis	...	25	...	81	...	Hence road fifteen miles to Sanju.	.....	.....	4290	S. T. nil, F. G. W. available.	Ditto and bazar.
	<i>Kosha Langar</i>	...	...	...	83	4						
	<i>Kondla Langer</i>	...	...	...	91	4						

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXXX^a	<i>ROUTE—contd.</i>	...	...	91	4					
6	Janghnia ...	14	...	95	...	Hence road to Sanju. traversed some cultivation and then all sandy desert.	.....	.....	.....	S. F. G. W and T. moderate. Village, fort and bazar.
7	Pialma ... <i>C., E.—</i>	22	...	117	...	Cultivation for two miles then region of sand hills for three miles.	.....	.....	4342	S. T. nil, F. G. W. available. Small village and bazar.
8	Ak Robot ...	15	...	132	...		.....	.....	.....	Ditto, deep well. Mazar or tomb of Inam Mohamud Shah.
	<i>Tabuzhas Langar B. ...</i>	...	...	142	...					
9	Zawa Kurghan ... <i>C., E., oasis.</i>	13	...	145	...	Road fair through cultivated country.	.....	Bridge	4430	S. F. G. W. and T. moderate. Small town walled, customs post.
	<i>Ak Serai B. ...</i>	...	...	159	...	.....	.....	Karakash ford.		
	<i>Do Shambeh ...</i>	...	...	174	...	Road through irrigated fields, orchards and gardens.	.....	.....	.....	..... Bazar.
10	Ilchi ... <i>B., C., E.—</i>	20	...	165	...	Road good through cultivation to Dol Langer, then	.....	.....	4320	S. F. G. W. and T. abundant. Capital of Khotan, large town and fort. 40,000 population.

	<i>Yurung Kash</i>	...	...	168	4	sandy plain covered with jungle.	.....	Yurung Kash ford.	4121	.....	Bazar of 500 shops.
	<i>Lob</i>	...	...	179	..						
11	Dol Langar	...	17	...	182	.....	.....	.....	4420	S. T. nil, F. G. W. available.	Village, 150 houses.
12	Besh toghrak Langar.	...	15	...	197	.....	.....	.....	.....	Ditto	Halting place.
13	Chira <i>B., C., E.—</i>	...	20	...	217	Takla Maklan desert three miles north.	.....	.....	4220	S. F. G. W. T. plentiful.	Town of 600 houses.
14	Karakia	...	25	...	237 242	..... .....	.....	Chira ford. .....	... .....	S. T. nil, F. G. W. available.	Village, 10 houses.
15	Kiria <i>B., C., E.—</i>	...	28	...	270	Road sandy until Kiria river, then through cultivations and gardens.	...	Kiria bridge.	4580	S. F. G. W. and T. ample.	Large town of 7,000 houses on right bank of Kiria river.

The Sorghak goldfields 7,060 feet, are distant 64 miles from Kiria eastwards in 3 marches.

From Kiria there is a frequented track southwards by Polu, 8,430 feet 55 miles, over the Kuenlun range by the Diwan pass to Ghubolik 16,960 feet, Lake with sulphur mines 43 miles, and across the Chantang and Chang Chenmo plains by the Yeshil kul 16,160 feet, the Tashliak kul 16,620 feet, and the Mangtza lakes to Noh 245 miles, and Rudok 20 miles—Total distance from Kiria by Noh and Tankse to Leh 550 miles.

LXXXI LEH to RUDOK by PANGONG LAKE—Map, Johnson.—Distances approximate.

	Leh	} See Route LXXX towards Chang Chemno valley and Khotan.
5	Tankse	62	

Hence there are two routes to Rudok, one north and one south of the Pangong Lake.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
	LXXXI ROUTE—contd. ...	...	...	62	...						
	<i>Muglib</i> ...	...	...	70	...	From Tankse, road up valley, which narrows to a gorge and then opens out by Muglib, crosses grassy swamp and ascends two miles among rocky boulders.	Up Pazar valley.				
6	Chakar Talao ...	14	...	76	...		.....	.....	S. T. nil, F. G. W. scanty.	Shallow pond, dry in summer.	
7	Lukong ...	7	2	83	2	From Chakar Talao road continues up valley to the plain at end of Pangong Lake.	Up Loonkur valley.	.....	14130	Ditto	Two miles, N. W. end of Pangong Lake. W. salt.
8	Chagra ...	8	...	91	2	Road good all the way to foot of pass.	.....	.....	15090	S. T. nil, F. scanty, G. W. plentiful.	Pasture ground.
9	Charkang ...	8	...	99	2	Gradual ascent to summit, whence road turns eastwards over elevated ground called the Kieu La into the head	.. ..	.....	.....	S. T. nil, F. G. W. procurable.	Southern foot of pass.
				100	...		Marsimik La	.....	18420.		
				104	...		Kieu La. Down Kieu valley.				

10	Pangur Gongma	10	6	110	...	of the Kieu valley which drains down into the Pangong Lake.	.....	Kim Stream is difficult to cross in summer.	17670	S. T. nil, F. G. W. scanty.	Eastern foot of pass.	
	<i>Ningri</i>	...	...	...	...		.....		16250			
11	Niagzu	...	13	...	123	.....	Up Tso Kiok valley.	.....	15390	S. T. nil, F. G. W. available.	Junction of three valleys.	
12	Kaisarpo	...	12	...	135	...	Good road up this branch valley to the head, where it crosses two passes and descends into the Tal valley.	.....	.. ..	16000	Ditto	Halting place.
					143	...		Tso Kiok La	.....	17300		
					144	...	.. ..	Demjor La	.....	17700		
13	Gonu	...	12	...	147	...	Road along river bed and then crosses Sala m spur.	Down Tal valley.	.....	.....	S. T. nil, F. G. W. scanty.	Frontier post.
14	Chuzan	...	13	...	160	...	Road fair over the pass and down the ravine.	Up ravine	Springs	15840	S. T. nil, F. G. available, W. springs.	Grassy plain.
					166	..		Dingo La.				
15	Pal	...	20	...	180	...	Stony road along northern shore of two fresh water lakes, Tso Rum and Tso Nyak.	Down Toba Ruberg ravine.	,	.....	Ditto	On northern shore of Pangong Lake.
16	Dobo Nakpo	...	8	...	188	...	.....	.....	.....	14020	S. T. nil, F. G. W. scanty.	On northern bank of Tso Rum.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS,				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXXXI ROUTE—contd. ...		...	...	188	...						
17	Noh ...	9	...	207	...	.....	.....	Naichu Loomba.	.....	S. T. nil, F. G. W. scanty.	On northern bank of Tso Nyak, small village of 25 houses.
18	Rudok ...	20	...	227	...	.....	.....	... ..	... ..	Ditto	Village and chief place in Rudok.

Or along southern shore of Pangong Lake, 40 miles long by 2 to 4 miles broad 13,936 feet. W. salt.

7	Lukong ...	...	...	83	2	Fair road, but stony along the southern margin of the Pangong Lake, which is here quite open to Thakung.	.....	.. ..	14130	S. T. nil, F. G. scanty	Two miles from N. W. end Pangong Lake. W. salt.
	<i>Spang mik.—</i>			90	...							
8	Mang south bank ...	13	6	97	...		.....	.....	13940	S. T. nil, F. G. W. available.	Hamlet.
	<i>Mirak—</i>			104	...	.....	.....	.....	.....		Small village.
9	Kark pet south bank	10	...	107	...	.....	.....	14000	S. T. nil, F. G. W. scanty.	Hamlet.	
10	Thakung south bank	7	...	114	...	Hence the mountain spurs come	.....	Saka Loongma	.....	S. T. nil, F. G. plentiful.	Halting place.

11	Yula south bank ...	15	...	129	...	down close to the Lake and the road along the shore is winding and rough.	.....	Yula ravine	.....	S. T. nil, F. G. W. precarious.	Ditto.
12	Aot south bank ...	15	..	144	..	At east end of Pangong Lake, which is connected with the Nyak Tso by a long narrow channel fordable at Aot.	.....	Pangong ford	.....	S. T. nil, F. G. W. plentiful.	Pasture ground. About 3 miles, N. W., is the ruined fort of Kharnak. Camping ground.
13	Dal north bank ...	12	...	156	...	Hence good but stony road continues along northern shore of Nyak Tso to Pal, and thence along northern shore of 2 small lakes, Run Tso and Nyak Tso, to Noh. Rudok is on the southern side of the latter lake.	.....	Dal Loomba	.....	Ditto	Ditto
14	Pal north bank ...	21	...	177	...		.....	Pal "	.....	Ditto	Ditto.
15	Noh ...	20	...	197	...		.....	Naichu "	.....	S. T. nil, F. G. W. scanty.	Small village of 25 houses.
16	Rudok ...	20	...	217	...		.....	.....	.....	Ditto	Village, chief place of Rudok.

From Noh, there is route northwards up the Naichu valley over the Kiang La, by the Mang Tza lake, 16,600 feet, over an extensive elevated plateau 16,880 feet, and the Diwan pass by the Ghubolik lake and sulphur mine 16,960 feet to Polu 8,430 feet and Kiria in Khotan 4,580 feet in length. Colonel Trotter, L. E., writes that, according to Mr. Moorcroft, this was part of an ancient highway from Rohicund northwards to Turkistan starting from Nujibabad (whence a branch railway has just been made 15 miles to Kotduara at foot of the hills), 210 miles long to the Niti pass 16,676 feet, thence crossing the Sutlej river at Toling 12,200 feet, where there is an ancient iron suspension bridge, and crossing the Bogo La 19,210 feet into the Indus valley at Gartok 14,240 feet, it follows this river to Demchok and crosses the Jara pass northwards to Rudok and Noh about 275 miles.

From Noh to Kiria in Khotan is 343 miles, from Kiria to Kargalik 270 miles and from Kargalik to Yarkand 42 miles - Total 1,140 miles.

NUMBER OF MARCHES	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL <i>m. f.</i>						

LXXXII.—LEH to GAR—*Map, Montgomerie, Drew.—Distances approximate.*

	Leh <i>P. O., D. B., C., E.—</i>			... ..	} See Route LXXX towards Chang Chenmo valley and Khotan.					
5	Tankse	62 ...		} Ascend S. E. valley, road rough and stony, passable for laden animals.	Up Harong valley.	12900	S. F. G. W. and T. plentiful.	Junction of 5 valleys.
				65 ...			.....	Chumik Loongma.		
6	Erad	...	9 ...	71 ...	.....	.....	.....	.....	S. T. nil, F. G. scanty, W. plentiful.	Hnts. Neck over spur projecting into valley.
				76 ...	.....	Harong La. Up Harong or Kailung valley	.....	.....
7	Bulchen	...	10 ...	81 ...	} Road easy along wide plain extending to the head at Kangta La, the approaches of which are easy on both sides. The road thence descends down the Yara ravine to the Shushal plateau.	.....	Bulchen Loongma. Kailung do.	.....	Ditto	Tartar camp.
				87 ...		.....	.....	.....
8	Loi yugma	...	12 ..	93 ...		.....	.....	.....	S. T. nil, F. G. W. available.	Pasture ground.
9	Burma	...	9 ...	102 ...		.....	.....	.....	Ditto	Ditto.
				109 ...		Kangta La. Down Yara	.....	.....

10	Shushal <i>Thinn—</i>	...	16	...	118 126	.. 4	..... .....	ravine, up Shushal valley. .....	..... Spring and Bobsang nala.	14200	S. F. G. W. and T. moderate.	Village and store house. Road branches W. to Mirpa Tso 13 m. Halting place.
11	Dachung	...	16	...	134 140	...	Ascent and descent over pass easy.	..... Tsaka La. Down Tsaka valley.	..... .....	..... 15200.	S. T. nil, F. G. W. available.	Halting place.
12	Ralmang	...	11	...	145	...	.....	.....	.....	.....	Ditto	Hamlet, Gonpa Lama Serai 1 m. distant.
13	Dungti	...	12	...	157	..	Road on both sides of the Indus river.	Up Indus valley.	Indus ford	.....	S. T. nil, F. G. scanty, W. plentiful.	Bend of Indus river where it turns from S. W. to W. course.
14	hang	...	12	...	169	...	Hence road ascends left bank of the Indus in a broad valley and through low hills between Tashi- gong and Dem- chok.	Ditto left bank	Indus ..	.. ..	Ditto	Halting place.
15	Khangra	...	12	...	181	..		.....	.....	.....	Ditto	Ditto.
16	Tashigong	..	10	...	191	...		.....	Koyul Lungpo	.....	Ditto	Kashmir territory.
17	Demchok	...	26	...	217	...	Hence upper valley narrows with a lofty range of mountains on the western side.	.....	.....	.....	.....	Chinese, Tibet whence road northwards over Jara La to Rudok.
18	Tashingong	...	20	...	227	...		.....	.....	13020	.. ..	Chinese Tibet.
19	Junction of Singh- Gi-Chu.	...	8	...	235	...	Road up the left bank of the more western branch,	.. ..	.....	.....	.. ..	Eastern branch of Upper Indus.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXXXII	<i>ROUTE—contd. ...</i>	...	...	235	...						
20	Gar Gunsä ...	26	...	261	...	general course downwards from south to north.	.....	.....	14140	.....	Chinese Thibet, centre of trade in winter.
21	Longong ...	20	...	281	...	.....	.....	.....	.....	.....	Chinese Thibet.
22	Gartok ...	30	...	311	...	.....	.....	.....	14240	.....	Chinese Thibet, centre of trade in summer.

From Gartok there is a road south-westwards over the Bogo La 19,920 feet 25 miles, to Totling 12,190 feet 22 miles, in the Sutlej river, across which there is an ancient iron suspension bridge, thence southwards by Daba 25 miles, to the Niti pass 16,570 feet 23 miles, on the British Frontier—Total distance from Gartok 95 miles.

Firstly.—**LXXXIII LEH to HANLE**—*Maps, Montgomerie, Drew.—Distances approximate.*

There are 3 routes from Leh to Hanle :—

- I by Tankse and Shushal.
- II by Indus valley.
- III by Rupshu and Puga.

	Leh	...	...	...	...		
5	Tankse	...	...	62	...	See Routes LXXX and LXXXII.					
10	Shushal	...	...	118	..	Hence there are two routes to the Indus at Mahiye and Nowi.					
12	Ralmang	...	...	145	...	Hence there are two routes to the Indus at Nowi and Nima Mud.					
13	Nowi right bank	16	...	161	...	Road fair and passable for laden animals.	Up Hanle valley left bank.	Indus ford waist deep.	13900	S. T. nil, F. G. scanty, W. plentiful.	Huts.
	<i>Rhongo</i>	167	...						
14	Shol fo	...	8	...	169	.....	...	...	.....	Ditto	Halting place.
15	Chibra or Mankhang.	12	...	181	...	.....	..	.....	.....	Ditto	Ditto.
	<i>Sangoisang plain</i>	...	...	187	...	.....	.....	Sangoisang nala.			
16	Hanle	...	19	...	200	.....	.....	.....	14276	Ditto	Village and Monastery.

From Shushal there is a road northwards down the Shushal valley to Thakung on the Pangong Lake about 10 miles long.
 From Shushal there is a track direct eastwards along the Pangoor Tso by Langmar and Zhungpa to Rudok about 70 miles in length.
 From Shushal another track goes southwards over the Thato La to Mahiye on the Indus, the stages are Mirpa Tso, fresh water lake, 13 miles, cross Thato La 16,950 feet 3 miles; by a very stony road to Ghale 8 miles, and passing two small lakes, Khan Tso and Yahe Tso, to Mahiye 13,800 feet 12 miles—Total 36 miles.
 From Ralmang there is a path southwards over the Belung La and down the Gachang ravine to Nima Mud on the Indus about 18 miles in length.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

Secondly.—**LEH to HANLE by INDUS VALLEY.**—*This is the shortest route of the three—*

8	Leh ...	...	...	...	} See Route LXVI, Road fair along right bank of Indus valley to Nima Mud, where it crosses the Indus by the most convenient ford, thence up a defile joins the road up the Hanle valley to Hanle.	stages 29 to Up Indus valley.	37. Mahiye foo	13800	S. F. T. nil, G. W. available.	Pasture on left bank.	
	Mahiye on right bank ...	...	108	4			Polalung „				
			116	4			Nima „				
			121	4							
9	Nima Mud ditto ...	...	...	...	} See Route LXVI, Road fair along right bank of Indus valley to Nima Mud, where it crosses the Indus by the most convenient ford, thence up a defile joins the road up the Hanle valley to Hanle.	.....	Gachang „	14000	S. T. nil, F. G. W. plentiful.	Two small villages.	
			124	4			.. ..	Indus ford.			
			132	...							
			137	...			Sangthung La.				
10	Shol foo ...	13	4	138	.....	Up Hanle valley left bank.	.....	.....	S. T. nil, F. G. W. procurable	Halting place.	
11	Mankhang ...	12	...	150	.....	.....	.....	.....	Ditto	Ditto.	
12	Hanle ...	19	...	169	.....	.....	... ..	14276	S. F. G. T. W. moderate.	Village, large Monastery and Thana.	

Thirdly.—LEH to HANLE by RUPSHU and PUGA—

5	Leh Debring in <i>Rupshu</i>	...	...	...	...	...	...	...	...	Debring ford. Tso Kar Chumo.	14900	S. T. nil, F. G. W. plentiful.	Camping ground north of Tso Kar Chumo, Tartar Camp.
6	Pongo Nagu <i>Thaugji</i>	...	13	...	...	77	85	89	...	Up Pola Konka ravine.	.....	.....	.....
7	Zukti	...	16	...	101	...	103	114	...	.....	.....	Ditto	Halting place.
8	Puga <i>Kaldang</i>	...	13	...	114	...	119	127	...	Pola Konka La, down Rulang Chu valley.	Hot springs	15200	S. T. nil, F. plentiful, G. W. scanty.	Sulphur and borax fields.
9	Mahiye on right bank <i>E. on left bank.</i>	...	13	...	127	...	...	...	.....	.....	13800	S. F. T. nil, G. W. available.	Pasture on left bank.

See Route LXIX,
Road good and
sandy down an
opening valley
to an extensive
plain, where it
passes round
north and east of
the Lake and as-
cends a ravine to
the pass.
Ascent and descent
over pass very
gradual for three
miles down a
narrow rugged
valley with mas-
ses of boulders to
an undulating
plain, encrusted
with salts, thence
through a narrow
winding gorge
with rocky cliffs
on both sides to
the Indus.
Road along left
bank of Indus
very rough and
stony, crossing
many spurs which
project down to
river.

NUMBER OF MARCLES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE		TOTAL.							
		m.	f.	m.	f.						
LXXXIII ROUTE—contd.		...	...	127	...						
10	Nidar on left bank...	12	...	139	...	Crosses road which leads southwards to Ooti and Chumar.	.....	Nidar foo	.....	S. F. T. nil, G. W. available.	Opposite Nimu.
11	Takalung on left bank.	10	...	149	...	Road fair, leaves Indus river and goes southwards through a rocky gorge and up a stony valley over a low ridge and down a ravine to the Hanle valley, then ascending latter over long gravelly plain and turfy saline meadows.	Up ravine	Takalung "	.....	S. T. nil, F. G. W. available.	Halting place.
12	Chumik	...	12	...	161	...	Sangpoche La. Down ravine up Hanle valley left bank.	Chumik "	.....	S. T. nil, F. G. W. scanty.	Spring 4 miles up ravine.
13	Sangoisang	...	13	...	174	...	.....	Sangoisang "	.....	Ditto	Halting place.
14	Hanle E.—	...	13	...	187	...	.....	.....	14276	S. F. G. and T. moderate.	Village, large Monastery and Thana.

APPENDIX A.

The tables of routes leading to Turkistan in Central Asia may be of interest in considering the question of the best route for trade. Taking Delhi and Amritsar in India and Yarkand in Turkistan as the termini, the length of the chief route, so far as known at present, may be thus shown approximately.

ROUTE.		BY RAIL.	BY ROAD.
Foot Notes of LXXXI Ditto and LXXXa	Delhi to Kotduara	187	
	Kotduara by Gartok to Keria in Khotan ... ..	.....	811
	Keria by Kargalik to Yarkand ... ..	.....	322
	Total ...	187	1133
This route is at present barred by the Chinese, though according to W. Moorcroft it was formerly the highway for trade.			
LXX LXXVII	Delhi to Kalka	162	
	Kalka by Simla, Kulu and Lahoul to Leh ... ..	.....	473
	Leh to Yarkand ... ..	.....	456
	Total ...	162	929
If a railway be made from Kalka to Simla, 60 miles, the rail distance will be increased and the road distance decreased by this length.			
LXXI LXXVII	Amritsar to Jalandhar	52	
	Jalandhar by Palampur, Kulu and Lahoul to Leh ... ..	.....	512
	Leh to Yarkand, summer route ... ..	.....	456
	Total ...	52	968
If a railway be made from Jalandhar to Hosiarpur, 25 miles, the rail and roads distance will be lengthened and shortened accordingly.			

ROUTE.		BY RAIL.	BY ROAD.
LXXII LXXVII	Amritsar to Pathankot	67	
	Pathankot by Chamba and Kirshetwar to Leh ... ..	....	440
	Leh to Yarkand, summer route ... ..	....	456
	Total ...	67	896
If a railway be made from Pathankot by Kangua to Palampur, 90 miles, the rail distance will become 175 miles and the road distance from 858 miles.			
LXXI and LXXVII XLII and LI LXXVII	Palampur by Kulu, Lahoul, Zanskar and Leh to Yarkand.		
	Amritsar to Rawul Pindi	211	
	Rawul Pindi by Srinagar to Leh ... ..	..	441
	Leh to Yarkand, summer route ... ..	....	456
Total ...	211	897	
LXI LXIV and Foot Note to LXXVII	Amritsar to Kala Serai	231	
	Kala Serai by Abbottabad and Chilas to Gilgit ... ..	.....	293
	Gilgit by Hunsa and Sarikal to Yarkand ... ..	.....	426
	Total ...	231	719
If a railway be made from Kala Serai by Abbottabad to Balakot in the Khagan Valley, 90 miles, the rail and road distances will be increased and decreased accordingly.			

To every route there are variations, which are adopted according to season, the state of the passes, the river floods and ice, and the condition of the water, fuel and grazing at the stages.

The routes by Srinagar and Leh are at present resorted to, as Srinagar and Leh are entrepots of the trade, where the goods can, if required, change hands, and both supplies and transport are abundant.

The Abbottabad, Gilgit and Sarikal route is now being opened out and the road distance being the shortest, is likely to be favoured, especially

if Gilgit were to become an entrepot of trade.

It is probable that all the routes, except the first, by Simla, Kangra, Chamba, Srinagar and Gilgit will continue to be used, as wood, fuel and grass for pack animals on each is limited and would be exhausted in time, if one route only were adopted.

In time a railway from Kala Serai, Haripur, for Kela Derband and up the Indus valley to Bunji and Gilgit would form the best approach to command the trade of Central Asia. The distance by railway would then be roughly, Amritsar to Kala Serai 231 miles, Kala Serai to Derband in Indus valley 50 miles, Derband up the Indus valley to Bunji 4,631 feet 250 miles, Bunji up the Gilgit valley to Gilgit 4,890 feet 40 miles—Total by rail 511 miles, and by road 426 miles.

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