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Con. No. 25

STRATEGICAL EPITOME OF ROUTES

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ON AND BEYOND

THE NORTH-WEST FRONTIER OF INDIA.

GENERAL STAFF, INDIA.

1912.



SIMLA:

PRINTED AT THE GOVERNMENT MONOTYPE PRESS.

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INDIA AND ADJACENT COUNTRIES.

PUNJAB, NORTH WEST FRONTIER PROVINCE,
BALUCHISTAN AND AFGHANISTAN.

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BOUNDARY SYMBOLS.	
	External Boundary of India
	Province or State Boundary
	District Boundary
	Undemarcated Boundary

Index to Provinces.	
	N.W.F. PROVINCE
	AFGHANISTAN
	BALUCHISTAN

Section A.

ROUTE No. 1.

FROM BUSHIRE TO SHIRAZ *via* POST ROAD.

[Reference P. 40-Con.—Routes in Persia, Volume III.—Route No. 53.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Chaghadak	14	14	Camels*, Mules.	<i>Road.</i> —Dead level over mud flats, impassable for camels after rain. <i>Camp.</i> — $\frac{1}{2}$ mile south-east of fort.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Scanty. <i>Fodder.</i> —Grass in spring and autumn. <i>Fuel.</i> —Scarce.	Crosses the Ma-hileh, a swamp which is practically impassable after heavy rain.
2. Ahmadi ..	7	21	Mules, Camels.	<i>Road.</i> —Dead level, mostly over mud flats quite impassable for camels after rain. <i>Camp.</i> —For a brigade.	<i>Water.</i> —From about 60 shallow wells, brackish. For two battalions possibly. <i>Supplies.</i> —Abundant for animals—scanty for men. <i>Grass.</i> —For mules in spring and autumn. <i>Fuel.</i> —Very scarce.	Water practically nil in the hot weather.
3. Borazjun	18	29	Mules, Camels.	<i>Road.</i> —Over flat open country which becomes heavy after rain and sometimes quite impassable. <i>Camp.</i> —Stony and uneven, space for a brigade.	<i>Water.</i> —Brackish, but healthy, sufficient for 5,000 animals: and drinking water for two battalions. <i>Supplies.</i> —Available for two Indian battalions. <i>Fodder.</i> —For transport of one battalion. <i>Fuel.</i> —Very scarce. <i>Grazing.</i> —For mules in spring and autumn.	
4. Dalaki ..	15	54	Mules, Camels.	<i>Road.</i> —Easy over sandy and clayey soil. <i>Camp.</i> —Suitable for one brigade.	<i>Water.</i> —Fairly good from river, and ample supply from a spring, for two battalions. <i>Supplies.</i> —With difficulty for one Indian battalion with transport. <i>Fuel.</i> —Obtainable.	
5. Kunar Takhteh.	15	69	Mules,	<i>Road.</i> —Crosses the Kutal-i-Malu, a very steep ascent of 1,100 feet by a narrow broken track. Men and horses would often have to move in single file. <i>Camp.</i> —Sufficient ground for a brigade.	<i>Water.</i> —For drinking is brought from a small spring three miles distant. The wells at Kunar Takhteh are foul. <i>Supplies.</i> —For a battalion of Infantry. <i>Grazing.</i> —For mules in spring and autumn. <i>Fuel.</i> —In small quantities.	Water practically nil in the hot weather.
6. Kamarij ..	11	80	Mules.	<i>Road.</i> —Crosses the Kutal-i-Kumarij, a very steep ascent of 1,200 feet in about 2 miles. Path too narrow in places for laden mules to pass each other. <i>Camp.</i> —For a brigade.	<i>Water.</i> —Scarce, though obtainable in quantity from Shapur river, but this is rather brackish. <i>Supplies.</i> —With difficulty for one Indian battalion with transport. <i>Fuel and grass.</i> —Obtainable in small quantities. <i>Grazing.</i> —For mules in spring and autumn.	Good drinking water for men is scarce in the hot weather.

*NOTE—There is an alternative route from Bushire to Borazjun (stage 2) *via* Shif which is much used as the boggy ground in first two stages is avoided by going from Bushire to Shif by boat,

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Section A.

ROUTE No. 1—contd.

Stage.	Mileage.		Road suitable for	Camp.	Supplies.	REMARKS.
7. Rahdar ..	10	90	Mules.	<i>Road.</i> —Traverses the Tang-i-Turkhan defile, very rough and confined between rugged boulders. <i>Camp.</i> —No details ..	<i>Water.</i> —Good from a stream. <i>Supplies.</i> —Some obtainable. <i>Fodder.</i> —Good grazing and some cultivation. <i>Fuel.</i> —Probably obtainable.	It is estimated that a pioneer battalion, in one week, would make the road from Daliki to Rahdar fit for camels.
8. Kazarun ..	11	101	Camels.	<i>Road.</i> —Very good .. <i>Camp.</i> —No details. Kazarun lies in a valley 30 miles long.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Grain and meat plentiful. <i>Fodder.</i> —Plentiful. <i>Fuel.</i> —Rather scarce.	
9. Pul-i-Ab-gineh.	8	109	Camels.	<i>Road.</i> —No special difficulties. <i>Camp.</i> —No details.	<i>Water.</i> —From Shapur river. <i>Supplies</i> } <i>Fodder</i> } No information. <i>Fuel.</i> }	
10. Mian Kutal	13	122	Mules.	<i>Road.</i> —Very difficult over the Kutal-i-Dukhtar, steep and rough ascent even for unladen mules. <i>Camp</i> —Restricted.	<i>Water.</i> —For 3,000 men and animals, daily, except in autumn when it is only sufficient for 1,000 men and animals. <i>Supplies.</i> —Very scanty. <i>Fodder.</i> —Grass in spring and autumn. <i>Fuel.</i> —Abundant.	
11. Dasht-i-Arjan.	12	134	Mules.	<i>Road.</i> —A distressing stage with its steep and rough ascent to and descent from the Kutal-i-Pir Zan. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant and good from springs. <i>Intermediate water</i> from small stream at 4½ miles. <i>Supplies.</i> —Difficult to obtain. <i>Fuel.</i> —Abundant. <i>Grass.</i> —In spring and autumn.	
12. Khan-i-Zinian.	11	145	Mules.	<i>Road.</i> —At first rough and stony with steep gradients, then easy. <i>Camp.</i> —Ground for a brigade.	<i>Water.</i> —Good from small stream. <i>Intermediate.</i> —Good water at 4½ miles. <i>Supplies.</i> —Sufficient for Indian battalion with transport for one day. <i>Fodder.</i> —Abundant in neighbouring villages. <i>Fuel.</i> —Abundant.	
13. Chinarada	20	165	Mules.	<i>Road.</i> —Requires improvement, stony and narrow in places, crosses several bridges in bad repair and a bad ford. <i>Camp.</i> —No details.	<i>Water.</i> —Slightly brackish but drinkable and plentiful. <i>Supplies.</i> —Abundant. <i>Fuel.</i> —Abundant. <i>Grass.</i> —In spring and autumn.	
14. Shiraz ..	8	173	Mules.	<i>Road.</i> —Rough and stony between 2 and 5 miles, otherwise easy. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all sorts abundant.	

Section A.

ROUTE No. 2.

FROM BUSHIRE TO SHIRAZ *via* FIRUZABAD.

[Reference P. 49-Con.—Routes in Persia, Volume III.—Route No. 33.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Ali Changi	13	13	Camels, Carts.	<i>Road.</i> —Almost dead level and could probably be used by carts. Crosses the Muhleh swamp, which is practically impassable after heavy rain. Country practicable for all arms. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Procurable. <i>Forage.</i> —Procurable. <i>Dates.</i> —Obtainable. A few cattle, sheep and donkeys.	<i>Road.</i> —In 1856 the Persians brought 18-pr. guns from Shiraz by this road, <i>via</i> Firuzabad. <i>Water.</i> —Is said to be good and plentiful from Firuzabad (stage 9) on. <i>Supplies.</i> —Are said to be generally plentiful from Tang-i-Zard (stage 4) onwards. <i>Grazing.</i> —Is said to be good on the major portion of this route. <i>Fuel.</i> —Is said to be fairly plentiful after the first two stages.
2. Ahram ..	12½	25½	Camels, Carts.	<i>Road.</i> —Dead level most of the way and easy, crosses the Ahram river at 11 miles, difficult if in flood. Should be passable for carts with but little improvement. <i>Camping ground.</i> —Good, on south side of river, 1,250 feet south-south-west of village.	<i>Water.</i> —Abundant, but slightly brackish; in dry weather almost undrinkable. <i>Supplies.</i> —Scarce. Cows, sheep and goats. <i>Fuel.</i> —Scanty. <i>Grazing.</i> —Good.	
3. Malakun ..	12	37½	Camels.	<i>Road.</i> —Crosses river twenty times; traverses defiles between 6¼ and 7¾ miles, and between 11½ and 11¾ miles. Rocky. <i>Camp.</i> —Perhaps limited.	<i>Water.</i> —Fresh water from stream; brackish water fit for animals from river. <i>Supplies.</i> —Nil. <i>Fodder.</i> —No information. <i>Fuel.</i> —No information.	Position and description of this halting place are based on native information only.
4. Tang-i-Zard.*	8	45½	Camels.	<i>Road.</i> —Intersected with <i>nalas</i> . Stony and very distressing to man and beast, very difficult for Artillery. <i>Camping.</i> —Good camping ground by spring. Alternative halting place at Kalimeh.	<i>Water.</i> —Abundant and fairly good. <i>Supplies.</i> —Plentiful. <i>Grazing.</i> —Good. <i>Fuel.</i> —Obtainable.	* Note here three routes from Bushire converge and an alternative route runs hence to Shiraz <i>via</i> Jireh.
5. Bushkan ..	16½	62	Camels.	<i>Road.</i> —Much intersected with <i>nalas</i> , but no great difficulty. <i>Camp.</i> —Good.	<i>Water.</i> —Good but limited, probably sufficient for one battalion. <i>Supplies.</i> —Plentiful. Cattle sheep and goats. <i>Fuel.</i> —Abundant. <i>Grazing.</i> —Procurable.	
6. Du Shakh.	14½	76½	Camels.	<i>Road.</i> —Crosses Du Chang river at 7¾ and another river at 14½ miles, might be troublesome after rain. <i>Camp.</i> —No details.	<i>Water.</i> —Possibly none. <i>Supplies.</i> —Nil. <i>Fodder.</i> —No information. <i>Fuel.</i> —No information.	Exact position and description of this halting place are doubtful.
7. Farrashband.	15	91½	Camels.	<i>Road.</i> —No special difficulties. <i>Camp.</i> —Good ground for camp.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —In considerable quantities. Cattle and sheep in large numbers. <i>Grazing.</i> —Good and plentiful. <i>Fuel.</i> —Obtainable.	

Section A.

ROUTE No. 2—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
8. Daahatak-i-Siah (o. Pasiah Zar).	21	122½	Camels.	<i>Road.</i> —Stony after 8½ miles, ascent from 8½ to 19 miles. <i>Camp.</i> —Probably ample.	<i>Water.</i> —Well of fresh water and reservoir for rain water, quantity doubtful. <i>Intermediate water.</i> —Well at 2½, cistern at 8½, spring at 18½ miles. <i>Supplies.</i> —Nil. <i>Fodder.</i> —Nil. <i>Fuel.</i> —From scrub.	
9. Firuzabad.	17	129½	Camels.	<i>Road.</i> —Easy. <i>Camp.</i> —Excellent, for a very large force.	<i>Water.</i> —Abundant. <i>Intermediate water.</i> —Plentiful fresh water from springs at 4 miles. After 7½ miles numerous streams are crossed. <i>Supplies.</i> —Of all kinds abundant for a brigade. <i>Fodder.</i> — <i>Cf.</i> supplies. <i>Fuel.</i> —Obtainable.	
10. Ibrahimbabad.	18½	148	Camels.	<i>Road.</i> —Difficult through the Tang Ab Pass with frequent crossing of the torrent. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Fair quantity can be collected on notice. Cattle, sheep and goats. <i>Fuel.</i> —Obtainable. <i>Grass.</i> —Good in spring and autumn.	At Ismailabad, 1 mile further on, there are better camping grounds.
11. Zanjir ..	8	156	Camels.	<i>Road.</i> —Easy. <i>Camp.</i> —No details.	<i>Water.</i> —Stream and two springs, 1 and 1½ miles short of Zanjir. <i>Supplies.</i> —No information. <i>Fodder.</i> —No information. <i>Fuel.</i> —No information.	
12. Kavar Serai	13½	169½	Camels.	<i>Road.</i> —No difficulty except the short steep ascent over the Muk pass. <i>Camp.</i> —No details. The serai will hold about 100 men and horses.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Nil, can be collected on notice from neighbouring villages in fair quantity. <i>Fuel.</i> —Obtainable. <i>Grazing.</i> —In spring and autumn.	
13. Baba Haji.	16	185½	Camels.	<i>Road.</i> —Easy, country open and practicable for all arms. <i>Camp.</i> —No details. The serai accommodates about 100 men and horses.	<i>Water.</i> —A fertile and well-watered valley. <i>Supplies.</i> —Nil, can be collected on notice from surrounding villages in limited quantity. <i>Grazing.</i> —Good.	
14. Shiraz ..	19½	204½	Camels.	<i>Road.</i> —Easy, country practicable for all arms. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all sorts abundant.	

Section A.

ROUTE No. 3.

FROM BUSHIRE TO SHIRAZ *via* JIREH.

[Reference P. 49-Con.—Routes in Persia, Volume III.—Route No. 34.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
4. Kalimeh* ..	..	49	Camels.	For first four stages of Route II. <i>Alternative route to Kalimeh from Bushire.</i>		<i>N. B.</i> —Route Book shows 9 stages to Shiraz, but troops would probably have to divide the distance into 14 stages.
1. Chahgadak.	15	15	Camels.	<i>Road.</i> —On flat open country which becomes impassable in rain. <i>Camp.</i> — $\frac{1}{2}$ mile southeast of Fort.	<i>Water</i> good and plentiful from wells. <i>Supplies.</i> —Scarce.	
2. Nanizak ..	19	34	Camels.	<i>Road.</i> —Good across plain. Ahram river at mile 4 might be difficult after rain. <i>Camp.</i> —No details.	<i>Water.</i> —No details .. <i>Supplies.</i> —Scarce.	It might be necessary to make two stages of this march.
3. Kalimeh ..	25	59	Camels.	<i>Road.</i> —Crosses the Haft Mulla pass which is always difficult, especially after rain. Very narrow at 10 miles. <i>Camp.</i> —No details.	<i>Water.</i> —Probably plentiful. <i>Supplies.</i> —Nil, except dates. <i>Forage.</i> —Abundant in spring.	It would probably be necessary to make two stages of this march.
4. Dehrud ..	20†	79	Camels.	<i>Road.</i> —Difficult, but with labour might perhaps be made fit for light carts. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —No details. <i>Fuel.</i> —Obtainable. <i>Grass.</i> —Obtainable.	†On map this distance is only 12 miles.
5. Husainabad	24	103	Camels.	<i>Road.</i> —Crosses a short steep and very bad Kutal at 6 miles, difficult for laden animals and impassable for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —Good supply from qanats. <i>Supplies.</i> —Scanty. <i>Fuel.</i> —Probably plentiful.	There is a stream of good water at 10 miles, and a force might perhaps camp there, so as to do the 24 miles in 2 stages.
6. Jireh (2,730')	12	115	Camels.	<i>Road.</i> —Good throughout. <i>Camp.</i> —No details.	<i>Water.</i> —From streams, one good, one salt. <i>Supplies.</i> —Scarce — a good deal of rice cultivated. <i>Fuel.</i> —Probably plentiful.	
7. Kaleh Musku	18	133	Camels.	<i>Road.</i> —No difficulty except over the Dar-i-Daria Kutal, very steep zigzag climb for 500 feet, then a bad and stony path to summit. <i>Camp.</i> —No details.	<i>Water.</i> —No information <i>Supplies.</i> —Rice cultivated in some quantity; other supplies doubtful. <i>Fuel.</i> —Probably plentiful.	
8. Chinar Far-iab (5,530')	26	159	Camels.	<i>Road.</i> —No great difficulty for pack transport except perhaps loose boulders and stones. <i>Camp.</i> —No details	<i>Water.</i> —From stream <i>Supplies.</i> —Not to be relied on.	There is a stream of good water at 12 miles, and a force might perhaps camp there so as to do the 26 miles in 2 stages.
9. Shiraz (5,200')	28	187	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details. ..	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all sorts abundant.	At 16 miles road strikes the post road, 12 miles from Shiraz, water brackish, but drinkable and plentiful; camp for an extra stage might perhaps be placed there.

*NOTE.—Kalimeh is an important strategical point in an advance from Bushire. Three roads converge here from Bushire and two run hence to Shiraz.
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Section A.

ROUTE No. 4 (A).

FROM BANDAR ABBAS TO KIRMAN (WINTER ROUTE).
 [Referencoe P. 48. Con.—Routes in Persia, Volume IV.—Route No. 144].

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Chah Chakur	11	11	Camels.	<p><i>Road.</i>—Fit for pack transport. Could be made passable for guns by one company Pioneers in two days.</p> <p><i>Camp.</i>—No details .. <i>Alternative camp</i> at Hurmudar which place is recommended.</p>	<p><i>Water.</i>—Good from a <i>qanat</i>, but limited.</p> <p><i>Supplies.</i>—Practically nil except dates.</p> <p><i>Fuel.</i>—Very scarce.</p> <p><i>Grazing.</i>—Scarce except during the rains.</p>	<p><i>Note.</i>—This route is open all the year round. The chief difficulty is lack of good drinking water. The stages given are probably not the best for troops. Necessary enquiries would have to be made each day as to next day's march so as to fit in the stages with the water available at the moment.</p>
2. Ginau ..	12	23	Camels.	<p><i>Road.</i>—No difficulty ..</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—From a tank, impregnated with sulphuretted hydrogen. Between April and first fall of rain in November, troops would have to carry their own water for this stage from last camp.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Scarce.</p> <p><i>Grazing.</i>—Scanty.</p>	
3. Sarzeh ..	16	39	Camels.	<p><i>Road.</i>—No difficulty ..</p> <p><i>Camp.</i>—No details ..</p>	<p><i>Water.</i>—Good and abundant from stream.</p> <p><i>Supplies.</i>—Very scarce.</p> <p><i>Fuel.</i>—Scarce.</p> <p><i>Grazing.</i>—Scarce.</p>	
4. Zuratu ..	18	57	Camels.	<p><i>Road.</i>—No difficulty ..</p> <p><i>Camp.</i>—No details ..</p>	<p><i>Water.</i>—Good and plentiful from springs.</p> <p><i>Supplies.</i>—Very scarce.</p> <p><i>Fuel.</i>—Scarce.</p> <p><i>Grazing.</i>—Scarce.</p>	
5. Ab Mar camp.	16½	73½	Camels.	<p><i>Road.</i>—Stony in places.</p> <p><i>Camp.</i>—No details. It might be better to go on another 4½ miles where there is a little water in a <i>nālā</i>.</p>	<p><i>Water.</i>—Good but very limited from spring.</p> <p><i>Supplies.</i>—Scarce.</p> <p><i>Fuel and grazing.</i>—Scarce.</p>	
6. Camp ..	15	88½	Mules.*	<p><i>Road.</i>—Bad. From 9 to 14 miles traverses Tang-i-Zagh gorge, often narrow, and in wet weather probably impassable. Bad for pack animals, serious operations would have to be undertaken to make even a moderate path.</p> <p><i>Camp.</i>—On stony plain.</p>	<p><i>Water.</i>—There is a <i>qanat</i>, quantity and quality uncertain.</p> <p><i>Supplies.</i>—Probably nil.</p> <p><i>Fodder and fuel.</i>—Plain is covered with scrub and bushes.</p>	
7. Sa'adatabad	9	97½	Camels.	<p><i>Road.</i>—Traverses Tang-i-Lambi, a winding ravine with precipitous sides.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—Good, from a well; there is also a water-course which at times contains good water.</p> <p><i>Supplies.</i>—Few.</p> <p><i>Fodder and fuel.</i>—There is much cultivation.</p>	

Section A.

ROUTE No. 4 (A)—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
8. Gakum ..	12	109½	Camels.	<i>Road.</i> —Good .. <i>Camp.</i> —Best site for camp is ½ mile north of village.	<i>Water.</i> —Good and ample from well. <i>Supplies.</i> —Very small quantities. <i>Fuel and grazing.</i> —Scarce.	
9. Hajiabad ..	14	123½	Camels.	<i>Road.</i> —Crosses and re-crosses river, some of the fords are bad, not deep, but rocky and slippery. <i>Camp.</i> —On an undulating plain, north of village.	<i>Water.</i> —Good and abundant from spring. <i>Supplies.</i> —A few obtainable locally. <i>Fuel and grazing.</i> —Scanty.	
10. Camp ..	13	136	Camels.	<i>Road.</i> —Fair, stony in places. <i>Camp.</i> —No details.	<i>Water.</i> —Probably obtainable from riverbed ; quantity doubtful. <i>Supplies.</i> —No information. <i>Fuel and fodder.</i> —No information.	
11. Kukan ..	15	151½	Camels.	<i>Road.</i> —Fair, stony in places. <i>Camp.</i> —No details.	<i>Water.</i> —Excellent from a spring but supply limited. <i>Supplies.</i> —Limited. <i>Fuel and grazing.</i> —Scarce.	
12. Chāh Kisūr	11½	163	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —No details.	<i>Water.</i> —A well of sweet water. <i>Supplies.</i> —Nil. <i>Fuel and Fodder.</i> —There are "well wooded mountain slopes" in the vicinity.	
13. Chah Gab- ristan or Puzeh Luk.	9½	172½	Camels.	<i>Road.</i> —No difficulty <i>Camp.</i> —No details.	<i>Water.</i> —From a well, good but limited. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scarce. <i>Grazing.</i> —Plentiful.	
14. Camp ..	?	?	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —No details.	<i>Water.</i> —Well at 3½ miles, no further information. <i>Supplies Fuel, and Fodder.</i> —From 5 to 10 miles nil, but elsewhere fuel and camel grazing are probably obtainable.	
15. Malikabad.	?	195½	Camels.	<i>Road.</i> —No difficulty <i>Camp.</i> —Best spot is ½ mile south of the fort in the gardens.	<i>Water.</i> —From well in fort and well by camp—good. <i>Supplies.</i> —A few obtainable. <i>Fuel and grazing.</i> —Scanty.	

Section A.

ROUTE No. 4 (A)—*con'd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
16. Saidabad.	15	210½	Camels, Carts.	<i>Road.</i> —Good going throughout, probably fit for carts. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from <i>qanat</i> . <i>Supplies.</i> —Obtainable in bazar and from villages round. <i>Fuel.</i> —Scarce. <i>Grazing.</i> —Scarce, none in the winter.	
17. Sa'adat-abad.	16½	227	Camels.	<i>Road.</i> —Excellent track over sandy plain. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from stream and wells. <i>Supplies.</i> —In small quantities. <i>Fuel and grazing.</i> —Scarce.	
18. Bid-i-Khab	11	238	Camels.	<i>Road.</i> —No special difficulties. <i>Camp.</i> —No information.	<i>Water.</i> —Stream and irrigation channels; no other information. <i>Supplies, Fodder and Fuel.</i> —Some cultivation; trees in river bed ½ to 1 mile further on.	
19. Khan-i-Surkh.	16	254	Camels.	<i>Road.</i> —Fair; no difficulty. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from stream and wells. <i>Supplies.</i> —Nil. <i>Fuel and grazing.</i> —Nil. <i>Camel grazing.</i> —Plentiful.	
20. Camp ..	18½	272½	Camels.	<i>Road.</i> —No difficulties. <i>Camp.</i> —No details.	<i>Water.</i> —Stream of good water. <i>Supplies, Fodder, and Fuel.</i> —There is a little cultivation, and some thorn scrub.	
21. Mashiz ..	11½	283½	Camels.	<i>Road.</i> —No difficulties. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from <i>qanats</i> . <i>Intermediate water.</i> —At 3 and 9½ miles. <i>Supplies.</i> —Small quantities only. <i>Camel-grazing.</i> —Plentiful. <i>Fuel and grass.</i> —Scarce.	
22. Camp ..	17½	301½	Camels.	<i>Road.</i> —From about 9 to 11½ miles rocky, with steep ascent and descent; otherwise fair. <i>Camp.</i> —Unlimited.	<i>Water.</i> —Long line of <i>qanat</i> wells. <i>Supplies, Fodder and Fuel.</i> —Probably nil, but 2 miles further on are thorns and tufts.	
23. Akbarabad	8½	309½	Camels.	<i>Road.</i> —Fair. Stony and steep descent from the first crest of the Gudar-i-Dukhtar; would have to be widened and cleared for wheeled transport. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from <i>qanats</i> . <i>Supplies.</i> —Scarce in village but could be collected from the neighbourhood. <i>Fuel.</i> —Scarce. <i>Camel grazing.</i> —Plentiful. <i>Fodder.</i> —Scarce.	
24. Kirman ..	14½	324	Camels.	<i>Road.</i> —Over sandy plain where going is heavy. <i>Camp.</i> —No details .. There is a well and rest-house at 9½ miles.	<i>Water.</i> —Plentiful, but not very good. <i>Supplies.</i> —Could be collected in large quantities on notice.	

Section A.

ROUTE No. 4 (B).
FROM BANDAR ABBAS TO KIRMAN (SUMMER ROUTE).
 [Reference P. 48-Con.—Routes in Persia, Volume IV.—Route No. 143.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Baghu ..	14	14	Camels.	<i>Road.</i> —The whole of this stage is liable to become a regular swamp in times of rain. <i>Camp.</i> —No details.	<i>Water.</i> —From wells, brackish. <i>Supplies.</i> —Nil. <i>Grazing.</i> —Abundant. <i>Fuel.</i> —Plentiful.	This road is used almost entirely for donkey transport. Only a few camels travel over it. Passes liable to be closed by snow in winter.
2. Kaleb-i-Kazi	13	27	Camels.	<i>Road.</i> —No difficulty to pack transport, impracticable for wheels. Baghu river dangerous when in flood. <i>Camp.</i> —No details. At Duzu 3½ miles further on there is space for large camp and good running water.	<i>Water.</i> —From numerous wells. <i>Supplies.</i> —Corn available. <i>Grazing.</i> —Generally good, but not in the autumn. <i>Fuel.</i> —One day's supply for a regiment.	
3. Kushku ..	16	43	Camels.	<i>Road.</i> —First half of the stage is heavy going, sandy in places. Last half over stony plain, very trying to horses. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from canals. <i>Supplies.</i> —Fair quantity. <i>Forage.</i> —A little. <i>Fuel.</i> —Abundant. <i>Grazing.</i> —For camels abundant.	
4. Dehaneh-i-Tang.	12	55	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —At Ab-i-Mal near the mouth of the Mian-i-Tang defile.	<i>Water.</i> —Scanty from a spring. The river water is undrinkable. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —In small quantities. <i>Grazing.</i> —A little for camels and mules.	
5. Ab-i-Shikar	6	61	Camels.	<i>Road.</i> —Crosses stream several times. <i>Camp.</i> —Perhaps limited.	<i>Water.</i> —Perennial spring of good water; quantity doubtful. <i>Supplies</i> } No information. <i>Fodder</i> } <i>Fuel</i> }	
6. Sar-i-Sikh	15½	76½	Camels.	<i>Road.</i> —Long and tedious march difficult even for pack transport. Particularly bad bits of road at 11½ and 12½ miles. Tang-i-Zindan in this stage is very dangerous in floods or rains, whole caravans are liable to be swept away. <i>Camp.</i> —No details.	<i>Water.</i> —Scarce. <i>Supplies.</i> —Nil. <i>Grazing.</i> —Nil.	
7. Camp ..	8?	84½?	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —No details.	<i>Water.</i> —Probably ample; quality doubtful. <i>Supplies</i> } <i>Fodder</i> } No information. <i>Fuel.</i> }	
8. Ahmadi ..	9?	93½	Camels.	<i>Road.</i> —No difficulty for pack transport.	<i>Water.</i> —Good <i>Supplies.</i> —Small quantities only. <i>Camel-grazing.</i> —Good. No other grazing. <i>Fuel.</i> —A fair amount.	

Section A.

ROUTE No. 4 (B)—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
9. Camp ..	?	?	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —No information.	<i>Water.</i> —Possibly none. <i>Supplies.</i> } <i>Fodder</i> } Probably none. <i>Fuel.</i> }	
10. Chah-i-Ganda.	?	112½	Camels.	<i>Road.</i> —No difficulty for pack transport up to Tang-i-Gilak, thence stony and rough descent from Kutal. <i>Camp.</i> —Ground available for camping is not very large.	<i>Water.</i> —Good, from a well. <i>Supplies.</i> —Nil.	
11. Daulatabad	12½	125	Camels.	<i>Road.</i> —Good for 11½ miles, then over ground which is difficult in wet weather. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from river. <i>Supplies.</i> —Of all sorts, including forage, are obtainable and could be collected in large quantities from surrounding villages on notice. <i>Camel-grazing.</i> —Good.	These "large quantities" are not to be depended on.
12. Camp ..	16	141	Camels.	<i>Road.</i> —Crosses the Rudkhaneh-i-Gashk at 6 miles, a difficult ford in wet weather. <i>Camp.</i> —No details ..	<i>Water.</i> —A spring of good water, quantity doubtful. <i>Supplies, Fodder and fuel.</i> —No information, but there are two villages one mile further on.	
13. Kaleh-i-Kazi	5	140	Camels	<i>Road.</i> —Shingly .. <i>Camp.</i> —No details ..	<i>Water.</i> —Abundant and good. <i>Supplies.</i> —Small quantities only. <i>Fodder.</i> —Camel-grazing good. <i>Fuel.</i> —No information.	
14. Saichu ..	11½	157½	Camels.	<i>Road.</i> —No difficulty to pack transport. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from <i>kariz</i> . <i>Fuel.</i> —Plentiful. <i>Supplies.</i> —Nil. <i>Camel-grazing.</i> —Good.	
15. Kash Kuh	15	172½	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —No details.	<i>Water.</i> —Good from <i>qanats</i> . <i>Supplies.</i> —Small quantities only. <i>Camel grazing.</i> —Plentiful.	
16. Baft ..	15	187½	Camels.	<i>Road.</i> —Crosses the Rudkhaneh-i-Khara at 2½ miles. The ford is difficult and impassable in rains and after the melting of the snows. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Fuel.</i> —Plentiful. <i>Supplies.</i> —Plentiful. A good number of cattle, sheep and goats. <i>Grazing.</i> —Good.	

Section A.

ROUTE No. 4 (B)—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
17. Kiz Kuh	11	198½	Camels.	<i>Road.</i> —Crosses the river at 4½ miles, difficult for, impassable during rains and after the melting of the snows. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant from streams. <i>Supplies.</i> —Scanty. <i>Camel-grazing.</i> —Good; and a small amount of grazing for horses and mules.	
18. Kaleh-i-Asgar.	8	206½	Camels.	<i>Road.</i> —No difficulty for pack transport. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Fuel.</i> —Abundant. <i>Supplies.</i> —In fair quantity. Cattle, sheep and goats. <i>Camel-grazing.</i> —Abundant.	
19. Camp ..	?	?	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No information	<i>Water.</i> —Probably ample. <i>Supplies, Fodder and Fuel.</i> —No information, camel grazing is probably obtainable.	
20. Surkh Khan.	?	225½	Camels.	<i>Road.</i> —No difficulty for pack transport. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from streams. <i>Supplies.</i> —Scanty. <i>Camel grazing.</i> —Plentiful, no other grazing.	
21. Nigar (6,820 feet).	10	235½	Camels.	<i>Road.</i> —Across a plain which in wet weather is slippery and bad for camels. <i>Camp.</i> —Ample camping ground for large body of troops.	<i>Water.</i> —Good and abundant from <i>ganats</i> . <i>Supplies.</i> —In moderate quantities. Cattle, sheep, and goats. <i>Camel-grazing</i> —Abundant.	
22. Camp ..	?	?	Camels.	<i>Road.</i> —No difficulty except from snow in winter. <i>Camp.</i> —No information.	<i>Water.</i> —Possibly very limited. <i>Supplies—Fodder and Fuel.</i> —Camel grazing and fuel should be obtainable.	
23. Chari (6,900 feet).	?	255	Camels.	<i>Road.</i> —Crosses the Gudar-i-Khansurkh Pass, difficult in winter owing to snow; otherwise easy. <i>Camp.</i> —Ample camping ground for troops.	<i>Water.</i> —Good from the stream near. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scanty. <i>Camel-grazing.</i> —Good.	
24. Kirman	15	270	Camels.	<i>Road.</i> —Crosses the Rud-i-Chari, difficult to ford and impassable after rains or melting of the snows. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful, but not good. <i>Supplies.</i> —Could be collected in large quantities on notice.	

Section A.

ROUTE No. 4 (C).

BANDAR ABBAS TO KIRMAN *viâ* KHANU AND RAYIN.

[Reference P. 48 Con.—Routes in Persia, Volume IV—Route No. 141.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Baghu ..	15	15	Camels.	} See route 4 (b).	..	This road is liable to be blocked by snow in winter. Water probably insufficient in very dry weather. Some water-courses in earlier stages liable to sudden flood.
2. Koleh-i-Kazi	13	28	Camels.		..	
3. Kushku	16	44	Camels.		..	
4. Shamil ..	10	54	Camels.*	Road.—Used by camels, but very rough*, said to be impassable in wet weather, but very little information available. Camp.—No details.	Water.—Abundant. Supplies.—Small quantities: 100 cattle, 300 sheep and goats. Fodder.— } See under Fuel.— } Remarks.	Severe cold in higher parts, December to March; great heat in first five stages, April to September. Camel-grazing and fuel are said to be usually available at halting places.
5. Pariab ..	19	73	Camels.*	Road.—Very fatiguing day's march, track stony, very narrow in places constant ascents and descents.* Very difficult for any kind of laden animal. Mules have been known to take five hours to do six miles. Camp.—No details.	Water.—Good. Supplies.—Nil. Fodder.—Good grazing. Fuel.—Abundant.	
6. Rudkhaneh-i-Duzdi.	23	96	Camels.*	Road traverses very steep and difficult Gudar-i-Shuran Pass. Camp.—No details.	Water.— } No definite Supplies.— } information. Fodder.— } village of 5 Fuel.— } huts sur- rounded by date planta- tion. Cross small river at 12 miles.	Owing to the length of stages 6 and 7, it would probably be found necessary to make each of them into two stages, thus increasing the number of stages to Kirman; information at present available is insufficient for a definite selection of extra camps.
7. Ispid ..	22	118	Probably camels.	No information. Perhaps the same as Chah Murad; if so, water brackish.	....
8. Khanu ..	12	130	Camels.*	Road.—Over fertile plain, little other information*. Camp.—No details.	Water.—Good and plentiful from <i>qanat</i> 's. Supplies.—Neighbourhood fertile, good dates. Fodder.—Grass and grazing abundant. Fuel.—Abundant.	
9. Suran ..	16	146	Probably camels.	No information, but track runs over a fertile plain.	..	
10. Sang-i-Safid.	10	156	Camels.*	Road.—Crosses Halil river at 4 miles, remainder over a plain, no other information*. Camp.—No details.	Water.—From a <i>qanat</i> . Supplies.—Nil. Fodder.— } No informa- Fuel.— } tion.	
11. Gaz Sala	12	168	Camels.	Road.—Undulating plain to 5 miles, cultivation thence to 10 miles, tamarisk thence to 12 miles. Crosses Halil Rud at 8½ miles. No other information. Camp.—No details.	Water.—Abundant. Supplies.—Plentiful. Fodder.—Villago stands in cultivation. Good camel grazing. Fuel.—Plentiful.	

Section A.

ROUTE No. 4 (C)—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
12. Bagh-i-Babu.	11½	179½	Camels.	<i>Road.</i> —2½ miles through tamarisk, thence to 5½ miles through cultivation, thence sandy and gravelly, a little cultivation. <i>Camp.</i> —No details.	<i>Water.</i> — } Good for small camps. <i>Supplies.</i> — } <i>Fodder.</i> — } No information. <i>Fuel.</i> — }	
13. Sabzavaran.	9	188½	Camels.	<i>Road.</i> —Crosses 3 water-courses. Second at 4½ miles has muddy bottom. Third at 7½ miles impassable for several days when in flood. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Plentiful. <i>Fodder.</i> — } No information, but much cultivation about village. <i>Fuel.</i> — }	
14. Camp ..	11	199½	Camels.	<i>Road.</i> —No special difficulties. <i>Camp.</i> —No details.	<i>Water.</i> —From the Rudkhaneh-i-Shur, distant from camp. <i>Supplies.</i> — } <i>Fodder.</i> — } No information. <i>Fuel.</i> — }	
15. Saqdir ..	10	209½	Camels.	<i>Road.</i> —Rough and stony. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Nil. <i>Fodder.</i> —Camel-grazing obtainable. <i>Fuel.</i> —Obtainable.	
16. Murghak (5,700').	22	231½	Camels.	<i>Road.</i> —Good, crosses Gudar-i-deh Bakri pass (7,000'). Liable to be blocked by snow. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Supplies.</i> —Scanty. <i>Fodder.</i> — } Low thick jungle <i>Fuel.</i> — } along road.	Troops would probably have to do stage 16 in two marches.
17. Sarvistan (3,300').	15	246½	Camels.	<i>Road.</i> —Good. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Supplies.</i> —Fairly plentiful. <i>Fodder.</i> — } Village is surrounded <i>Fuel.</i> — } by cultivation.	Central Persian Telegraph line is met at Sarvistan.
18. Pabaneh..	12	258½	Camels.	<i>Road.</i> —Good, crosses a stream at 8 miles, and Tehrud river by a good ford at 12 miles. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> — } Pabaneh is a small hamlet. No other information. <i>Fodder.</i> — } <i>Fuel.</i> — }	
19. Rayin ..	23	281½	[Camels.	<i>Road.</i> —Good, through cultivation to 14 miles, then gravel slopes. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Abundant. <i>Fodder.</i> — } Large plantation of fruit trees, village surrounded by cultivation. <i>Fuel.</i> — }	Troops would probably have to do stage 19 in two marches.

Section A.

ROUTE No. 4 (C)—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
20. Hanaka ..	24	305½	Camels.	<i>Road.</i> —Good. Hanaka pass is liable to be blocked with snow. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Supplies.</i> — } Limited quantities. <i>Fodder.</i> — } <i>Fuel.</i> —No information.	Troops would probably have to do stage 20 in two marches.
21. Mabun .. (6,350').	12½	317½	Camels.	<i>Road.</i> —No great difficulties. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Plentiful. <i>Fodder.</i> —No information: camel-grazing obtainable. <i>Fuel.</i> —Good.	
22. Kirman .. (5,680').	21	338¾	Camels.	<i>Road.</i> —Through cultivation to 11 miles: thence mostly shifting sand hills to the outskirts of Kirman. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful but not very good. <i>Supplies.</i> —Could be collected in large quantities on notice.	Troops would probably have to do stage 22 in two marches.

Troops would probably reach Kirman in 28 stages by this route.

Section A.

ROUTE No. 4 (D).

BANDAR ABBAS TO KIRMAN *via* PUR, MARGHAK AND BAM.

[Reference P. 48 Con.—Routes in Persia, Volume IV.—Route No. 142].

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Baghu ..	15	15	Camels, Carts.*	} See Route 4 (b).		Route Book shows 22 stages: see notes to stages 7 and 17 below. * First 4 stages passable for carts with a little trouble.
2. Kaleb-i-Kazi	13	28	Camels, Carts.*			
3. Kushku ..	16	44	Camels, Carts.*			
4. Dehaneh-i-Tang.	12	56	Camels.			
5. Ab-i-Shikar	6	61	Camels.			
6. Sar-i-Sikh	15½	77½	Camels.			
7. Pur ..	17	94½	Camels.	Road.—Steep, rocky descent through narrow gorge soon after starting: generally stony. Camp.—No details.	Water.—Abundant and good: good water along route up to 11½ miles. Supplies.—In small quantities. Fodder.—No information. Fuel.—Plentiful.	Owing to the length of stages 9, 10, 11, 16, 17, 19, 20, 21 and 23 it would probably be necessary to increase the number of stages, but the information at present available is insufficient to admit of selecting definite camps for extra stages.
8. Chah Mazan-garan.	16	110½	Camels.	Road.—Steep ascent 7½ to 9 miles, and steep descent 9 to 10½ miles. Camp.—No details.	Water.—From irrigation channel. Supplies.—Nil. Fodder.—No information. Fuel.—There is a palm grove.	
9. Pariab ..	23	133½	Camels.	Road.—Crosses a number of dry water-courses. Camp.—No details.	Water.—From dirty irrigation channels. Intermediate water.—Running stream at 11½ miles. Supplies.—Scarce. Fodder.—Grazing abundant. Fuel.—No information.	
10. Kahn-i-Pan-char.	23½	157	Camels.	Road.—Mostly through jungle. Camp.—No details.	Water.—Quantity doubtful. Supplies.—Scarce. Fodder.—Cultivation and grazing plentiful. Fuel.—No information.	
11. Kugu ..	19	176	Camels.	Road.—Passes a good deal of cultivation up to 14 miles. Camp.—No details.	Water.—Passes running water at 13½ and 16½ miles. Supplies.—Scarce. Fodder.— } There is some Fuel.— } jungle.	
12. Bagh-i-Babu.	15	191	Camels.	Road.—From 3½ miles identical with stage 12, Route III	S. e Route 4 (c).	

Section A.

ROUTE No. 4 (D)—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
13. Sabzavaran.	9	200	Camels.	} See Route 4 (c) stages 13, 14, 15 and 16.		
14. Camp ..	11	211	Camels.			
15. Saqdir ..	10	221	Camels.			
16. Marghak	22	243	Camels.			
17. Khwaja-i-Askar.	24½	267½	Camels.	Road.—From about 5 to 7 miles is difficult when covered with snow: strikes telegraph line to Kirman at 19½ miles. Camp.—No details.	Water.—Presumably obtainable. Supplies.—Procurable. Fodder.— } Extensive village. Fuel.— }	Route Book gives Bam as 16th stage, and 17th stage as beginning by going back 4 miles to Khwaja-i-Askar.
Bam (from Khwaja-i-Askar 4 miles good road).	..	..	..	..	Water.—Good and abundant. Supplies.—Abundant. Fodder.—Great quantities; camel grazing scarce. Fuel.—Obtainable but quantity may be limited.	
18. Darzin ..	11	278½	Camels.	Road.—Partly through cultivation. Camp.—No details.	Water.—Good. Supplies.—Scarce. Fodder.—Grazing plentiful. Fuel.—Procurable.	
19. Tehrud ..	22½	301	Camels.	Road.—Mostly over bare stony plain: defile at 18½ miles: passes cultivation at 14½ miles, and from 20½ to 22½ miles. Camp.—No details.	Water.—Plentiful. Intermediate water.— Good stream at 17 miles. Supplies.—Procurable. Fodder.— } Cultivation and gardens. Fuel.— }	
20. Rayin ..	29	330	Camels.	Road: 1½ miles through cultivation: thence over gravel, stones, and clay to 17 miles, thence soft ground impassable in rains to 20 miles, but alternative track available. Then cultivation. Camp.—No details.	Water.— } Supplies.— } See Route 4 (c) stage 19. Fodder.— } Fuel.— }	
21. Hanaka ..	24	354	Camels.	} See Route 4 (c) stages 20 to 22.		
22. Mahun ..	12½	366½	Camels.			
23. Kirman ..	21	387½	Camels.			

Troops would probably reach Kirman in 32 stages by this route.

Section A.

ROUTE No. 4 (E).

FROM BANDAR ABBAS TO KIRMAN *via* MINAB, RIGAN AND BAM.

[Reference P.-48-Con.—Routes in Persia, Vol. IV.—Routes Nos. 139, 114, 141 and 142.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Baghu ..	15	15	Camels and carts.	<p><i>Road.</i>—The whole of this stage is liable to become a regular swamp in times of rain.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—From wells, brackish.</p> <p><i>Supplies.</i>—Nil</p> <p><i>Grazing.</i>—Abundant.</p> <p><i>Fuel.</i>—Plentiful.</p>	Owing to the length of stages 6, 8, 9, 11, 13, 21, 23, 24, 25 and 27 it would probably be necessary to increase the number of stages; but the information at present available is insufficient to admit the definite selection of extra camps.
2. Jallabi ..	16	31	Camels and carts.	<p><i>Road.</i>—Is good and practicable for wheels throughout in dry weather.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—Good from wells</p> <p><i>Supplies.</i>—All sorts are obtainable except in July, August and September.</p> <p><i>Fuel.</i>—Obtainable.</p> <p><i>Camel-grazing.</i>—Good.</p>	
3. Hasan Langi	12½	43½	Camels and carts.	<p><i>Road.</i>—Over level sandy plain. From 5½ to 7 miles road is rough and would require pick and shovel work to make it passable for wheels.</p> <p><i>Camp.</i>—Just off main road south of village.</p>	<p><i>Water.</i>—Good and abundant from stream.</p> <p><i>Supplies.</i>—Large supplies of barley available, sheep, goats and cattle.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Camel-grazing.</i>—Plentiful.</p>	
4. Garvaband	9½	53½	Camels.	<p><i>Road.</i>—No difficulty for camel transport.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—Good and abundant from wells.</p> <p><i>Supplies.</i>—Large stores of dates, some barley, no other supplies. Sheep, cattle and camels.</p> <p><i>Fuel.</i>—Abundant.</p> <p><i>Camel-grazing.</i>—Abundant.</p>	
5. Minab ..	13	66½	Camels.	<p><i>Road.</i>—Easy.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—Good and plentiful from stream.</p> <p><i>Supplies.</i>—All sorts abundant.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Camel-grazing.</i>—Abundant.</p>	
6. Birinti ..	19½	85½	Camels.	<p><i>Road.</i>—Difficult and stony in places.</p> <p><i>Camp.</i>—Good camping ground.</p>	<p><i>Water.</i>—Good from stream.</p> <p><i>Supplies.</i>—Not to be relied on. Small quantities of <i>bhusa</i> obtainable.</p> <p><i>Fuel.</i>—Ample.</p> <p><i>Camel-grazing.</i>—Abundant.</p>	

Section A.

ROUTE No. 4 (E)—*contd.*

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
7. Jaghin ..	13½	99½	Camels.	<i>Road.</i> —Fair, crosses a number of small <i>nalas</i> . <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from the river. <i>Supplies.</i> —Not to be relied on. Small quantities of barley and millet. A little <i>bh'usa</i> obtainable. <i>Ditts.</i> —Abundant. <i>Fuel.</i> —Abundant. <i>Camel-graz ng.</i> —Abundant. Good grazing for mules.	
8. Manujan ..	19½	119	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —This would be a good centre for troops, roads diverge from here in many directions.	<i>Water.</i> —Good and abundant from the river. <i>Supplies.</i> —Cattle, sheep and goats. Millet plentiful. Barley in small quantities. <i>Fuel.</i> —Abundant. <i>Grazing.</i> —Abundant.	
9. Ginau ..	25½	144½	Camels.	<i>Road.</i> —Crosses the Ginau Pass, 1,645 feet. It would take one Pioneer battalion at least a week to make the crossing of the pass fit for artillery. At 25½ miles road runs into broad dry watercourse; (2 days' work by Pioneer battalion to make this portion fit for wheels). <i>Camp.</i> —Ginau is simply a camping-ground with no inhabitants. <i>Intermediate camp</i> at Kahr-i-Shan (16½ miles), no supplies, little water.	<i>Water.</i> —From a small stream of running water. <i>Supplies.</i> — <i>Nil</i> . <i>Fuel.</i> —Abundant. <i>Camel-grazing.</i> —Abundant.	
10. Kahn-i-Ali	11½	156	Camels.	<i>Road.</i> —Easy, passable throughout for all arms. <i>Camp.</i> —No details. Intermediate halting place at Kahn Mirza, (5½ miles) with <i>kariz</i> of good water.	<i>Water.</i> —Good and abundant from stream. <i>Supplies.</i> —Millet and barley in considerable quantity, other supplies scarce. <i>Fuel.</i> —Abundant. <i>Camel-grazing.</i> —Abundant.	
11. Chah-i-Rigmati.	19½	175½	Camels.	<i>Road.</i> —Good, passable for all arms, but often no marked track and a guide is indispensable. <i>Camp.</i> —No details.	<i>Water.</i> —Fair water from wells. <i>Intermediate water.</i> —At 5½ miles and 18½ miles. <i>Supplies.</i> — <i>Nil</i> . <i>Fuel.</i> —Abundant. <i>Grazing.</i> —Abundant.	
12. Takkul	13½	189½	Camels.	<i>Road.</i> —Good, passable for all arms throughout. <i>Camp.</i> —No details.	<i>Water.</i> —Good from wells. <i>Supplies.</i> — <i>Nil</i> . <i>Fuel.</i> —Abundant. <i>Camel-grazing.</i> —Abundant.	

Section A.

ROUTE No. 4 (E)—*contd.*

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
13. Masitabad	19½	208½	Camels.	<i>Road.</i> —Good, passable for all arms. <i>Camp.</i> —No details.	<i>Water.</i> —Good and ample from wells and irrigation channels. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Grazing.</i> —Abundant.	
14. Deh-i-Ashraf.	11½	220	Camels.	<i>Road.</i> —No difficulty. Passable for all arms. <i>Camp.</i> —No details. No houses here.	<i>Water.</i> —Good. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Obtainable. <i>Camel-grazing.</i> —Obtainable.	
15. Mil-i-Farhad.	17½	237½	Camels.	<i>Road.</i> —Said to be passable for all arms, but would require improvement at 13½ miles where there are two very steep descents. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from stream. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Plentiful. <i>Camel grazing.</i> —Plentiful.	
16. Dehan-i-Abbas-Ali.	12½	250½	Camels.	<i>Road</i> —Crosses the Gishu Pass at 7½ miles (3,160'). Quite impassable for guns and wheeled transport. Would require at least one month's work by a battalion of Pioneers. <i>Camp.</i> —No details.	<i>Water.</i> —From the stream, unreliable: should be brought from springs in water course below the Pass. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scarce. <i>Camel-grazing.</i> —Good, though there is none during March.	
17. Gal Kahur	18	268½	Camels.	<i>Road.</i> —Fair. Improvement required for artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Good water, but unreliable from pools in river bed. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Camel-grazing.</i> —Abundant.	
18. Rigan ..	18½	286½	Camels, Carts.*	<i>Road.</i> —Bad going for 3½ miles. Said to be passable, however, for all arms. <i>Camp.</i> —On an open space south of fort.	<i>Water.</i> —Good and plentiful from <i>ganats</i> . <i>Supplies.</i> —All sorts available in large quantities from surrounding villages. <i>Fuel.</i> —Abundant. <i>Camel-grazing.</i> —Very good and abundant.	
19. Burj-i-Agha Muhammad Khan.	16	302½	Camels, Carts.*	<i>Road.</i> —Very good to 14 miles; then loose sand. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Scanty. <i>Fodder.</i> —Grass and camel-grazing plentiful. <i>Fuel.</i> —Plentiful.	* Road Rigan to Bam could easily be made practicable for carts.
20. Rustamabad.	14	316½	Camels, Carts.*	<i>Road.</i> —Eight miles over bare plain, then through cultivation. <i>Camp.</i> —For 2 divisions.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —In fair quantities. <i>Fodder.</i> —Grass and camel-grazing fairly plentiful. <i>Fuel.</i> —Fairly plentiful.	Telegraph line south of village.
21. Bam ..	27½	344½	Camels, Carts.*	<i>Road.</i> —Over plain. <i>Camp.</i> —Unlimited.	See Route 4 (d), stage 17.	There are 13,000 inhabitants in Bam.
22. Darzin ..	15	359½	Camels.	} See Route 4(d), stages 18 and 19.		
23. Tehrud ..	22½	381½	Camels.			

Section A.

ROUTE No. 4 (E)—concl'd.

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
24. Rayin ..	29	410½	Camels.	} See Route 4 (c), stage 19 to 22.		
25. Hanaka ..	24	434½	Camels.			
26. Mahun ..	12½	447½	Camels.			
27. Kirman ..	21	468½	Camels.			

Troops would probably reach Kirman in 37 stages by this route.

Section A.

ROUTE No. 5.

FROM BANDAR ABBAS TO NASRATABAD.

[Reference P.-48-Con.—Routes in Persia, Volume IV.—Routes No. 139, 70].

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Baghu ..	15	15	Camels.	<i>Road.</i> —The whole of this stage is liable to become a regular swamp in times of rain. <i>Camp.</i> —No details.	<i>Water.</i> —From wells brackish. <i>Supplies.</i> —Nil. <i>Grazing.</i> —Abundant. <i>Fuel.</i> —Plentiful.	
2. Jallabi ..	16	31	Camels and carts.	<i>Road.</i> —Is good and practicable for wheels throughout in dry weather. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from wells. <i>Supplies.</i> —All sorts are obtainable except in July, August and September. <i>Fuel.</i> —Obtainable. <i>Camel grazing.</i> —Good.	
3. Hasan Langi	12½	43½	Camels and carts.	<i>Road.</i> —Over level sandy plain. From 5½ to 7 miles road is rough and would require pick and shovel work to make it passable for wheels. <i>Camp.</i> —Just off main road south of village.	<i>Water.</i> —Good and abundant from stream. <i>Supplies.</i> —Large supplies of barley available, sheep, goats and cattle. <i>Fuel.</i> —Plentiful. <i>Camel grazing.</i> —Plentiful.	
4. Gurband ..	9½	53½	Camels.	<i>Road.</i> —No difficulty for camel transport. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from wells. <i>Supplies.</i> —Large stores of dates, some barley, no other supplies. Sheep, cattle and camels. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Abundant.	
5. Minab ..	13	66½	Camels.	<i>Road.</i> —Easy. <i>Camp.</i> —No details.	<i>Water.</i> —Good and plentiful from stream. <i>Supplies.</i> —All sorts abundant. <i>Fuel.</i> —Plentiful. <i>Camel grazing.</i> —Abundant.	
6. Birintu ..	19½	85½	Camels.	<i>Road.</i> —Difficult and stony in places. <i>Camp.</i> —Good camping ground.	<i>Water.</i> —Good and abundant from stream. <i>Supplies.</i> —Not to be relied on. Small quantities of <i>bhusa</i> obtainable. <i>Fuel.</i> —Ample. <i>Camel grazing.</i> —Abundant.	

Section A.

ROUTE No. 5—*contd.*

Stage.	Mileage.		Road suitable for	Camp.	Supplies.	REMARKS.
7. Jaghin ..	13½	99½	Camels.	<i>Road.</i> —Fair, crosses a number of small <i>nalas</i> . <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from the river. <i>Supplies.</i> —Not to be relied on. Small quantities of barley and millet. A little <i>bhusa</i> obtainable. <i>Dates.</i> —Abundant. <i>Fuel.</i> —Abundant. <i>Camel-grazing.</i> —Abundant. Good grazing for mules.	
8. Manujan ..	19½	119	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —This would be a good centre for troops: roads diverge from here in many directions.	<i>Water.</i> —Good and abundant from the river. <i>Supplies.</i> —Cattle, sheep and goats. Millet plentiful. Barley in small quantities. <i>Fuel.</i> —Abundant. <i>Grazing.</i> —Abundant.	
9. Ginau ..	25½	144½	Camels.	<i>Road.</i> —Crosses the Ginau Pass, 1,645 feet. It would take one Pioneer battalion at least a week to make the crossing of the pass fit for artillery. At 25½ miles road runs into broad dry watercourse (2 days' work by Pioneer battalion to make this portion fit for wheels). <i>Camp.</i> —Ginau is simply a camping-ground with no inhabitants. <i>Intermediate camp</i> at Kahr-i-Shan (16½ miles); no supplies, little water.	<i>Water.</i> —From a small stream of running water. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Abundant.	
10. Khan-i-Ali	11½	156	Camels.	<i>Road.</i> —Easy, passable throughout for all arms. <i>Camp.</i> —No details. Intermediate halting place at Kahn Mirza, (5½ miles) with <i>kariz</i> of good water.	<i>Water.</i> —Good and abundant from stream. <i>Supplies.</i> —Millet and barley in considerable quantity, other supplies scarce. <i>Fuel.</i> —Abundant. <i>Camel-grazing.</i> —Abundant.	
11. Chah-i-Rigmati.	19½	175½	Camels.	<i>Road.</i> —Good, passable for all arms, but often no marked track and a guide is indispensable. <i>Camp.</i> —No details.	<i>Water.</i> —Fair water from wells. <i>Intermediate water</i> at 5½ miles and 18½ miles. <i>Supplies.</i> —Nil <i>Fuel.</i> —Abundant. <i>Grazing.</i> —Abundant.	

Section A.

ROUTE NO. 5—contd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
12. Takkul ..	13½	189½	Camels.	<i>Road.</i> —Good, passable for all arms throughout. <i>Camp.</i> —No details.	<i>Water.</i> —Good from wells. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Camel-grazing.</i> —Abundant.	
13. Masitabad	19½	208½	Camels.	<i>Road.</i> —Good, passable for all arms. <i>Camp.</i> —No details.	<i>Water.</i> —Good and ample from wells and irrigation channels. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Grazing.</i> —Abundant.	
14. Deh-i-Ashraf.	11½	220	Camels.	<i>Road.</i> —No difficulty. Passable for all arms. <i>Camp.</i> —No details. No houses here.	<i>Water.</i> —Good. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Obtainable. <i>Camel grazing.</i> —Obtainable.	
15. Mil-i-Farhad.	17½	237½	Camels.	<i>Road.</i> —Said to be passable for all arms but would require improvement at 13½ miles where there are two very steep descents. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from stream. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Plentiful. <i>Camel-grazing.</i> —Plentiful.	
16. Dehan-i-Abbas-Ali.	12½	250½	Camels.	<i>Road.</i> —Crosses the Gishu Pass at 7½ miles (3,160 feet). Quite impassable for guns and wheeled transport. Would require at least one month's work by a battalion of Pioneers. <i>Camp.</i> —No details.	<i>Water.</i> —From the stream unreliable, should be brought from springs in water-course below the pass. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scarce. <i>Camel-grazing.</i> —Good though there is none during March.	
17. Gal Kahur	18	268½	Camels.	<i>Road.</i> —Fair. Improvement required for artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Good water but unreliable from pools in river bed. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Abundant.	
18. Rigan* ..	18½	286½	Camels.	<i>Road.</i> —Bad going for 3½ miles. Said to be passable, however, for all arms. <i>Camp.</i> —On an open space south of Fort.	<i>Water.</i> —Good and plentiful from <i>qanats</i> . <i>Supplies.</i> —All sorts available in large quantities from surrounding villages. <i>Fuel.</i> —Abundant. <i>Camel-grazing.</i> —Very good and abundant.	
19. Chah-i-Rigan.	18	304½	Camels.	<i>Road.</i> —Easy. <i>Camp.</i> —No details.	<i>Water.</i> —Scarce and brackish. <i>Supplies.</i> —Nil. <i>Fodder.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Camel-grazing.</i> —Plentiful.	At Chah-i-Rigan the Lut desert commences.

* *Note.*—From here the road with little labour could be converted into an excellent cart road.

Section A.

ROUTE No. 5—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
20. Shurgaz ..	31	335½	Camels.	<i>Road.</i> —Excellent going over hard barren ground. <i>Camp.</i> —No details.	<i>Water.</i> —Limited and brackish. <i>Supplies.</i> —Nil. <i>Fodder.</i> —Nil. <i>Fuel.</i> —Limited quantity. <i>Camel grazing.</i> —Limited.	
21. Gurg ..	32	367½	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details. ..	<i>Water.</i> —Brackish from well, limited. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Unlimited. <i>Camel grazing.</i> —Abundant. <i>Fodder.</i> —Nil.	
22. Nasratabad Sipi.	35	402½	Camels.	<i>Road.</i> —No difficulty for camel transport. <i>Camp.</i> —No details. ..	<i>Water.</i> —Abundant but said to contain guinea worm eggs. <i>Supplies.</i> —Nil. <i>Fodder.</i> —Nil. <i>Fuel.</i> —Unlimited. <i>Camel grazing.</i> —Unlimited.	At Nasratabad Sipi the Lut desert ends.
23. Garagheh.	21	423½	Camels.	<i>Road.</i> —Easy throughout. <i>Camp.</i> —No details ..	<i>Water.</i> —From well, slightly brackish and limited in quantity. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Abundant. <i>Fuel.</i> —Abundant. <i>Fodder.</i> —Nil.	
24. Turshab ..	30	453½	Camels.	<i>Road.</i> —Gradients easy and track well defined. <i>Camp.</i> —No details. ..	<i>Water.</i> —From stream is abundant but brackish. Also one good, sweet, well. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Abundant. <i>Fuel.</i> —Abundant. <i>Fodder.</i> —Nil.	
25. Rigavak ..	36	489½	Camels.	<i>Road.</i> —No difficulty for camel transport. <i>Camp.</i> —No details ..	<i>Water.</i> —From Kariz abundant but brackish. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Abundant. <i>Fodder.</i> —Nil.	
26. Varmel ..	22	511½	Camels.	<i>Road.</i> —No difficulty for camel transport. <i>Camp.</i> —No details ..	<i>Water.</i> —From wells, sweet and abundant. <i>Fuel.</i> —Plentiful. <i>Camel grazing.</i> —Plentiful. <i>Fodder.</i> —Plentiful. <i>Supplies.</i> —Nil; but could be collected in large quantities from surrounding villages.	

Section A.

ROUTE NO. 5—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
27. Chiling ..	11	522½	Camels.	<p><i>Road.</i>—Easy for camel transport.</p> <p><i>Camp.</i>—No details. Chiling is a large village.</p>	<p><i>Water.</i>—Sweet and abundant from the irrigation channels.</p> <p><i>Supplies.</i>—All sorts are obtainable.</p> <p><i>Camel grazing.</i>—Abundant.</p> <p><i>Fuel.</i>—Abundant.</p>	
28. Nasratabad.	10	532½	Camels.	<p><i>Road.</i>—Over level ground crossing many irrigation channels.</p> <p><i>Camp.</i>—No details ..</p>	<p><i>Water.</i>—Unlimited from irrigation channels.</p> <p><i>Supplies.</i>—All sorts obtainable.</p> <p><i>Camel grazing.</i>—Abundant.</p> <p><i>Fuel.</i>—Has to be brought in from a distance.</p>	

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Section A.

ROUTE No. 6.

FROM BANDAR ABBAS TO YAZD.

[Reference, P. 49.—Routes in Persia. Volume III.—Routes Nos. 1, 14, 19.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Chah Chakur	11	11				<p>For details of these 16 stages <i>Cf.</i>, Route Bandar Abbas to Kirman. No. 4 (a) (Winter Route).</p> <p><i>Note.</i>—Many of the stages after stage 17 are long marches for troops.</p>
2. Ginau ..	12	23				
3. Sarzeh ..	16	39				
4. Zuratu ..	18	57				
5. Ab-Mar ..	16½	73½				
6. Camp ..	15	88½				
7. Sa'adatabad	9	97½				
8. Gakum ..	12	109½				
9. Hajiabad	14	123½				
10. Camp ..	13	136½				
11. Kukan ..	15	151½				
12. Chah Kisur	11½	163				
13. Chah Gab-ristan.	9½	172½				
14. Camp ..	?	?				
15. Malikabad	?	195½				
16. Saidabad	15	210½				
17. Zaidabad	16	226½	Camels.	<i>Road.</i> —Good over rolling country. <i>Camp.</i> —No details .. Large caravanserai ..	<i>Water.</i> —Good and sweet from qanat. <i>Supplies.</i> —Procurable. <i>Fuel and fodder.</i> —Abundant.	
18. Pariz ..	25	251½	Camels.	<i>Road.</i> —Good going .. <i>Camp.</i> —No details	<i>Water.</i> —Plentiful and good. <i>Supplies.</i> —Fair. <i>Fuel and grazing.</i> —Good.	
19. Gaud-i-Ahmar	24	275½	Camels,	<i>Road.</i> —Steep and difficult; crosses three streams which are liable to flood. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Procurable. <i>Grazing.</i> —Fair.	
20. Uraf ..	16	291½	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details	<i>Water.</i> —Good and plentiful from stream. <i>Supplies.</i> —Nil. <i>Grazing.</i> —For camels. <i>Fuel.</i> —Scarce.	

Note.—This route is fit for camels and pack animals but would require the expenditure of much time and labour to make it fit for the passage of wheeled artillery throughout. Water is frequently brackish and often scarce throughout this route.

Section A.

ROUTE No. 6—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
21. Bahramabad.	16	307½	Camels.	<i>Road.</i> —Rather stony .. <i>Camp.</i> —No details.	<i>Water.</i> —Good and plentiful from qanâts. <i>Supplies.</i> —Of all kinds in abundance. <i>Transport.</i> —Camels and donkeys obtainable in district.	
22. Kushku ..	23½	331	Carts.	<i>Road.</i> —Level, but in parts liable to inundation and in parts sandy and heavy. Impassable for wheels in wet weather. <i>Camp.</i> —No details ..	<i>Water.</i> —From qanât, sweet. <i>Supplies.</i> —Plentiful. Wheat and barley in considerable quantity. <i>Fuel.</i> —Obtainable from a distance. <i>Camel grazing.</i> —Fair.	
23. Baiaz ..	16½	347½	Carts.	<i>Road.</i> —Passable all arms, level and fair going. <i>Camp.</i> —No details. ..	<i>Water.</i> —From streams, sweet and plentiful. <i>Supplies.</i> —Fair quantity <i>Water and supplies.</i> —Throughout the stage are plentiful.	
24. Anar ..	16¼	363¼	Carts.	<i>Road.</i> —Open to wheeled traffic throughout. <i>Camp.</i> —No details	<i>Water.</i> —Plentiful and sweet. <i>Supplies.</i> —Of all sorts plentiful. <i>Fuel.</i> —Plentiful.	
25. Shams ..	19¾	383½	Carts.	<i>Road.</i> —Stony but fit for wheels. <i>Camp.</i> —No details ..	<i>Water.</i> —Scarce and brackish. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Nil.	
26. Kirman-shâhan.	16¾	399¾	Carts.	<i>Road.</i> —Stony but fit for wheels. <i>Camp.</i> —No details ..	<i>Water.</i> —Indifferent. <i>Supplies.</i> —Not to be relied on.	
27. Zain-uddin.	14½	414½	Carts.	<i>Road.</i> —Good and level but stony in places. <i>Camp.</i> —No details ..	<i>Water.</i> —Scarce and salt. No water <i>en route</i> . <i>Fuel.</i> —Scarce. <i>Supplies.</i> —Nil.	
28. Sar-i-Yazd	17	431½	Carts.	<i>Road.</i> —Stony but fit for wheels. <i>Camp.</i> —No details ..	<i>Water.</i> —Scarce; no water <i>en route</i> . <i>Supplies.</i> —Of all kinds plentiful. <i>Fuel.</i> —Scarce. <i>Transport.</i> —Procurable.	
29. Yazd ..	22½	453¾	Carts.	<i>Road.</i> —Excellent .. <i>Camp.</i> —No details ..	<i>Water.</i> —Plentiful and sweet; plentiful throughout stage. <i>Supplies.</i> —Of all kinds abundant.	

Section A.

ROUTE No. 7.

FROM KIRMAN TO NASRATABAD.

[Reference P-48.—Routes in Persia, Volume IV.—Routes No. 142, 114, 61, 70.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1 to 7. Kirman to Rustamabad.	..	151½	Camels.	} See Route No. 4 (c), Stages 20 to 27.	....
8. Fehraj ..	12	163½	Carts.		<i>Road.</i> —Passable all arms in present condition. Easily made fit for carts. <i>Camp.</i> —No details.	<i>Water.</i> —From qanats, slightly brackish. <i>Supplies.</i> —In fair quantity.
9. Shurgaz ..	35	198½	Carts.	<i>Road.</i> —As before .. <i>Camp.</i> —No details.	<i>Water.</i> —Brackish and limited. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Limited. <i>Fuel.</i> —Obtainable in small quantities.	
10 to 17. Shurgaz to Nasratabad.	197½	396½	Camels.	} See Route No. 5, .. Stages 20 to 28.	....	Stages 10, 11, and 12 are long marches across the Lut Desert.

Section A.

ROUTE No. 8.

FROM KUH-I-MALIK SIAH TO NASRATABAD-SIPI.

[Reference No. P-48,—Route: in Persia, Volume IV.—Route: Nos. 61-70.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Hurmuk ..	17	17	Camels.	<i>Road.</i> —Fit for all arms, but hilly and stony in places. <i>Camp.</i> —No details.	<i>Water.</i> —Good from 3 springs, but sufficient in 1910 only for $\frac{1}{2}$ battalion and 350 camels during course of the day. <i>Supplies.</i> —Practically nil. <i>Fuel and grazing.</i> —For camels abundant. <i>Grass.</i> —Nil.	
2. Lavarab ..	9 $\frac{1}{2}$	26 $\frac{1}{2}$	Camels. Carts.	<i>Road.</i> —Is reported as difficult for laden camels but has been traversed by carts. <i>Camp.</i> —No details ..	<i>Water.</i> —Sweet from stream with flow of about 300 gallons per hour. <i>Supplies.</i> —Nil. <i>Fuel and Camel grazing.</i> —Abundant.	
3. Garandabi	21 $\frac{1}{2}$	48	Camels. Carts.	<i>Road.</i> —Has been traversed by carts. <i>Camp.</i> —No details ..	<i>Water.</i> —Limited. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Plentiful. <i>Fuel.</i> —Fairly plentiful.	
4. Garagheh..	18 $\frac{1}{2}$	66 $\frac{1}{2}$	Camels. Carts.	<i>Road.</i> —Could be made passable for carts, with little difficulty. <i>Camp.</i> —No details.	<i>Water.</i> —Limited and brackish. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Abundant.	
5. Nasratabad Sipi.	21	87 $\frac{1}{2}$	Camels. Carts.	<i>Road.</i> —Passable all arms and with little improvement could be made into an excellent cart road. <i>Camp.</i> —No details ..	<i>Water.</i> —Abundant, but said to contain guinea-worm eggs. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Unlimited.	

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Section A.

ROUTE No. 9.

FROM MESHED TO ASKHABAD *via* RUSSIAN CART ROAD.

[Reference P.-49.—Routes in Persia, Volume I.—Route No. 44.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Qasimabad	12	12	Carts.	<i>Road.</i> —Flat and fairly good for traffic in dry weather; heavy and difficult for carts after rain. <i>Camp.</i> —For an Army Corps.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all kinds plentiful.	
2. Gunabad .. (3,700').	14	26	Carts.	<i>Road.</i> —Good in dry weather, heavy going after rain. <i>Camp.</i> —For an Army Corps.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Ample. <i>Grazing and grass.</i> —Obtainable.	
3. Chinaran ..	12	38	Carts.	<i>Road.</i> —Unmetalled and out of repair. In wet weather impassable and carts make a detour off road. <i>Camp.</i> —For an Army Corps.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all sorts plentiful.	
4. Saiyidabad	16½	54½	Carts.	<i>Road.</i> —Good in dry weather, heavy going after rain. <i>Camp.</i> —For an Army Corps.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Abundant. <i>Grazing.</i> —For cattle and camels.	
5. Mihrabad	17½	72	Carts.	<i>Road.</i> —Good in dry weather, heavy going after rain. <i>Camp.</i> —For an Army Corps.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all sorts plentiful. <i>Grazing.</i> —Obtainable.	
6. Sarkhan ..	15	87	Carts.	<i>Road.</i> —Slightly better than in previous stage <i>Camp.</i> —For an Army Corps.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Abundant. <i>Camel grazing.</i> —Good, very little forage for horses.	
7. Kuchan*— (4,183').	11	98	Carts.	<i>Road.</i> —Good in dry weather, heavy going after rain. <i>Camp.</i> —For an Army Corps.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Abundant. Camel transport procurable.	
8. Zuharan .. (5,400').	9	107	Camels. Carts.	<i>Road.</i> —Now becomes bad and stony from long neglect, would require improvement in places for wheeled transport. <i>Camp.</i> —Poor.	<i>Water.</i> —500 gallons per hour at least. <i>Supplies.</i> —Scanty. <i>Grazing.</i> —Nil.	

* Note.—There is mention of a road running from 3 to 7 miles north of main road which could probably be made fit for wheels and could at any rate be used as an alternative route for a large force.

Section A.

ROUTE No. 9—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
9. Imam Quli (5,800').	16	123	Camels. Carts.	<i>Road.</i> —Hilly as before, passable for guns. <i>Camp.</i> —No details.	<i>Water.</i> —Good from small stream and fairly plentiful. <i>Supplies.</i> —Scanty.	
10. Durb Adam (5,200').	10	133	Camels. Carts.	<i>Road.</i> —In fair repair and passable for carts except in a few places where it has been washed away. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Supplies.</i> —Scarce.	
11. Bajgirau (5,500')	14	147	Camels. Carts.	<i>Road.</i> —Passable for carts. <i>Camp.</i> —No details. Excellent camping ground for large force at Gandan, 2 miles further on.	<i>Water.</i> —Scarce. <i>Supplies.</i> —Scarce.	
12. Postal stage	16	163	Camels. Carts.	<i>Road.</i> —About 25' wide but heavy and bad going. <i>Camp.</i> —No details.	<i>Water.</i> —Scarce. <i>Supplies.</i> —Nil <i>Grazing.</i> —Nil.	
13. Askhabad	14	177	Camels. Carts.	<i>Road.</i> —Heavy up to last 7 miles when it is good and metalled. <i>Camp.</i> —Unlimited.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Abundant.	Askhabad is on the Russian Trans-Caspian railway.

Section A.

ROUTE No. 10.

FROM MESHED TO DUSHAKH.

[Reference P-49.—Routes in Persia, Volume I.—Route No. 65.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kaneh Gushsh.	11½	11½	Carts.	<i>Road.</i> —Passable for wheeled traffic. <i>Camp.</i> —No details ..	<i>Water.</i> —Good. <i>Supplies.</i> —Plentiful. <i>Grazing.</i> —Good. <i>Fuel.</i> —Very scarce.	
2. Ahmadabad	10	21½	Carts.	<i>Road.</i> —Passable for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —Good, but not plentiful, from small streams. <i>Fuel.</i> —Nil. <i>Supply.</i> —Scanty. <i>Forage.</i> —Nil.	
3. *Amirabad	24	45½	Camels. Carts.	<i>Road.</i> —Passable for guns would require improvement to make it a good cart road. <i>Camp.</i> —No details. ..	<i>Water.</i> —Good. <i>Supplies.</i> —Scanty. <i>Grazing.</i> —Scarce. <i>Fuel.</i> —Nil.	*From here a direct route now runs <i>via</i> Chehech to Dushakh.
4. Qaratigan	23¼	68¾	Camels. Carts.	<i>Road.</i> —As in last stage. <i>Camp.</i> —No details. ..	<i>Water.</i> —Scanty. <i>Supplies.</i> —Scarce. <i>Grazing.</i> —Scarce. <i>Fuel.</i> —Nil.	
5. Darband-i-Haji Buland	13	81¾	Camels. Carts.	<i>Road.</i> —As before and requires widening in places. <i>Camp.</i> —No details.	<i>Water.</i> —Scarce. <i>Supplies.</i> —Nil. <i>Grazing.</i> —Nil. <i>Fuel.</i> —Obtainable.	
6. Dushakh ..	20¼	102	Camels. Carts.	<i>Road.</i> —As before .. <i>Camp.</i> —No details. This is a station on the Trans-Caspian railway.	<i>Water.</i> —Good and abundant. No water <i>en route</i> in this stage; no grazing <i>en route</i> . <i>Supplies.</i> —Plentiful.	

Section A.

ROUTE NO. 10 (A).

FROM DUSHAKH TO SARAKHS, *via* MEEANA.

[Reference—Military Report on Russian Turkistan, page 106—Route (ix), Herat Line of Advance.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
No details ..	90½	..	Camels. Carts.	<i>Road.</i> —Passable for Field Artillery. <i>Camps.</i> —No details.	<i>Supplies.</i> —Scanty. <i>Water.</i> —No details. <i>Grazing.</i> —For camels. <i>Fuel.</i> —Available.	

Section A.

ROUTE No. 11.

FROM CHAHBAR TO BAMPUR, *viâ* QASRQAND.

[Reference No. P-48,—Route in Persia, Volume IV.—Route No. 45.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Vajnan ..	19½	19½	Camels.	<i>Road.</i> —Passable a 11 arms, with slight work could be made passable for carts. <i>Camp.</i> —No details ..	<i>Water.</i> —Excellent and abundant. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Camel grazing and bhusa.</i> —Abundant. <i>Grass.</i> —Plentiful.	
2. Daj ..	15½	35½	Camels.	<i>Road.</i> —Easy for camels, would require widening in places for carts, but soil is easy and work would not be heavy. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant. <i>Fuel.</i> —Plentiful. <i>Camel grazing, bhusa and grass.</i> —Abundant.	
3. Gازه Manzil.	17½	53½	Camels.	<i>Road.</i> —Passable throughout for all arms. <i>Camp.</i> —No details.	<i>Water.</i> —From stream abundant and sweet but muddy. <i>Camel grazing, grass and Fuel.</i> —Abundant here and throughout the stage.	
4. Balui Sik	23½	76½	Camels.	<i>Road.</i> —Hour's work by 100 men with pick and shovel would be enough to render this stage fit for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from pools. <i>Camel grazing, grass and fuel.</i> —Abundant throughout this stage.	
5. Tallarah .. (1,710')	13½	90	Camels.	<i>Road.</i> —The going is rather rough and stony, but all gradients are easy. <i>Camp.</i> —No details.	<i>Water.</i> —Sweet and abundant from pools in river bed. <i>Supplies Nil.</i> <i>Camel grazing, grass and fuel.</i> —Plentiful.	
6. Qasrqand (1,770')	13½	103½	Camels.	<i>Road.</i> —Would require clearing away of boulders to fit it for wheels, otherwise it is passable for all arms. <i>Camp.</i> —No details.	<i>Water.</i> —Sweet and unlimited from river. <i>Supplies.</i> —All ordinary supplies are plentiful. <i>Grazing and fuel.</i> —Abundant.	
7. Gardak .. (2,020').	10½	114½	Camels.	<i>Road.</i> —Very rough and would require clearing as the boulders are very trying to men and animals and would cause constant breakdowns to wheels. Approximately 100 men per mile in ½ hour could clear a fair track for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —Good and plentiful from river. <i>Grazing, forage and Fuel.</i> —Abundant throughout stage.	

Section A.

ROUTE NO. 11—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
8. Dinarmulk	8	122½	Camels.	<p><i>Road.</i>—Up the bed of the Kaju stream, rough, and full of boulders.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—From the river.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Grazing and fuel.</i>—Abundant.</p> <p><i>Bhusa.</i>—In considerable quantity could be collected from villages <i>en route</i>.</p>	
9. Putak ..	13	135½	Camels.	<p><i>Road.</i>—Up the bed of the Kaju river, rough and full of boulders. Some patches of cultivation, and several villages.</p> <p><i>Camp.</i>—No details ..</p>	<p><i>Water.</i>—Good and abundant from river.</p> <p><i>Camel grazing, and fuel.</i>—Limited.</p> <p><i>Fodder.</i>—Scarce.</p> <p><i>Bhusa and Fuel.</i>—Could be collected from villages <i>en route</i>.</p>	
10. Kunari Dap	12½	147¾	Camels.	<p><i>Road.</i>—Up the bed of the Kaju river, rough and full of boulders. Some patches of cultivation, and several villages.</p> <p><i>Camp.</i>—No details ..</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Camel grazing.</i>—Abundant.</p> <p><i>Fuel.</i>—Abundant.</p>	
11. Champ ..	16½	164	Camels.	<p><i>Road.</i>—Through the difficult Tang-i-Hunzuk gorge would require considerable labour and extensive blasting to make into good military road.</p> <p><i>Camp.</i>—No details. There is a good site for camp on opposite bank of river to Champ and on more direct route to Bampur.</p>	<p><i>Water.</i>—Sweet and abundant from kariz.</p> <p><i>Supplies and sheep.</i>—Can be obtained in fair quantities probably sufficient for one Brigade.</p> <p><i>Camel grazing and fuel.</i>—Scarce at halting place but plentiful along the stage.</p>	
12. Surmich	16	180	Camels.	<p><i>Road.</i>—Passable for all arms except at 7¼—8½ miles and at beginning of descent into Rud-i-Aspajan where improvement is needed to fit the road for wheeled transport.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—From 4 karizes, good and plentiful.</p> <p><i>Supplies.</i>—Small quantities only,</p> <p><i>Fuel and Forage.</i>—Scarce at the halting place but plentiful during march.</p> <p><i>Grazing.</i>—For camels plentiful.</p>	

Section A.

ROUTE NO. 11—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
13. Shurd ..	14½	194½	Camels.	<p><i>Road.</i>—From 4½ to 7 miles is very difficult, being rough and narrow; it would require 7 days' work by 100 men to render this position practicable for wheels,</p> <p><i>Camp.</i>—No details ..</p>	<p><i>Water.</i>—Good, but limited from spring.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel and camel grazing.</i>—Plentiful.</p>	
14. Gwarpusht	18½	213½	Camels.	<p><i>Road.</i>—Passable for all arms, but heavy going for wheels owing to deep sand.</p> <p><i>Camp.</i>—No details. ..</p>	<p><i>Water.</i>—Sweet and abundant from <i>qanat</i>.</p> <p><i>Fuel and grazing.</i>—Unlimited.</p> <p><i>Bhusa.</i>—Obtainable.</p>	
15. Bampur	7½	220½	Camels.	<p><i>Road.</i>—Passable for all arms throughout.</p> <p><i>Camp.</i>—Ample. Camping grounds for large bodies of troops.</p>	<p><i>Water.</i>—Abundant from irrigation channels, but impure near town.</p> <p><i>Supplies.</i>—Of all sorts probably sufficient for one Brigade.</p> <p><i>Camel grazing and fuel.</i>—Abundant.</p>	

There is an alternative route from Chahbar to Bampur, *viâ* Geh, (*See Routes in Persia, Volume IV, Route No. 96*) which is reported (1912) to be easier than the route *viâ* Qasrqand.

Section A.

ROUTE No. 12.

FROM BAMPUR TO BAM, *via* RIGAN.

[Reference—No. P-48, Route Book No. 195—Route No. 114.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Chah-i-Dab-gazan.	15	15	Camels. Carts.	<i>Road.</i> —Passable for all arms but on rocky and stony ground which might be troublesome in places for guns. The construction of a good cart road would not present any great difficulties. <i>Camp.</i> —No details.	<i>Water.</i> —From 2 wells, abundant and good. <i>Supplies.</i> —Nil. <i>Camel grazing and fuel.</i> —Plentiful. <i>Grass.</i> —Obtainable.	In 1901 the Governor-General of Kirman travelled from Kirman to Bampur in a four-wheeled phaeton without much difficulty.
2. Kahtr ..	26	41	Camels. Carts.	<i>Road.</i> —Stony, but passable for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant, but slightly brackish. <i>Supplies.</i> —Nil. <i>Grazing, grass and fuel.</i> —Abundant.	
3. Bazman ..	6	47	Camels. Carts.	<i>Road.</i> —Stony, but passable for wheels. <i>Camp.</i> —To north of village in date grove.	<i>Water.</i> —Good and abundant from spring. <i>Supplies.</i> —Very small quantities only. <i>Fuel and grazing.</i> —Plentiful.	
4. Pansaroh ..	14	61	Camels. Carts.	<i>Road.</i> —Passable for wheels with a little preparation. <i>Camp.</i> —Somewhat limited near the springs.	<i>Water.</i> —Good but full of leeches. <i>Supplies.</i> —Nil. <i>Grass.</i> —Scarce. <i>Camel grazing and fuel.</i> —Plentiful.	
5. Hanjira ..	28	89	Camels. Carts.	<i>Road.</i> —Passable for all arms. <i>Camp.</i> —Limited and rocky.	<i>Water.</i> —Good, but very limited. <i>Supplies.</i> —Nil. <i>Fuel and camel grazing.</i> —Plentiful.	
6. Chah Gaz	9	98	Camels. Carts.	<i>Road.</i> —Passable for all arms, but rough and stony in parts. <i>Camp.</i> —Unlimited ground for camping.	<i>Water.</i> —Fair but plentiful from a well. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Fair. <i>Fuel.</i> —Obtainable but not plentiful. <i>Grass.</i> —Practically nil.	
7. Ramkan ..	16	114	Camels. Carts.	<i>Road.</i> —Smooth and free from stones throughout. Passable for all arms. <i>Camp.</i> —Limited ground for camping.	<i>Water.</i> —Good and abundant from well. <i>Supplies.</i> —Nil. <i>Grass.</i> —Scarce. <i>Camel grazing and fuel.</i> —Plentiful.	

Section A.

ROUTE No. 12—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
8. Gehgan ..	8	122	Camels. Carts.	<i>Road.</i> —Excellent going, passable all arms. <i>Camp.</i> —Unlimited ground for camping.	<i>Water.</i> —Abundant from spring but slightly brackish. <i>Supplies.</i> —Nil. <i>Grass.</i> —Nil. <i>Fuel and grazing.</i> —Plentiful.	
9. Dashtabad Mustafa.	24	146	Camels. Carts.	<i>Road.</i> —Passable all arms, very sandy in places. <i>Camp.</i> —Unlimited ground.	<i>Water.</i> —Good and abundant from Kariz. <i>Supplies.</i> —In very small quantities. <i>Camel grazing, grass and fuel.</i> —Abundant.	
10. Rigan ..	8	154	Camels. Carts.	<i>Road.</i> —Passable for all arms. <i>Camp.</i> —On patch of flat sandy ground near Fort.	<i>Water.</i> —Good and abundant from karizes. <i>Supplies.</i> —Of all sorts plentiful. <i>Grazing, grass and fuel.</i> —Abundant.	
11. Burji-i-Agha Muhammad Khan.	16	170	Camels. Carts.	<i>Road.</i> —For the most part smooth and well defined track, in places sand would delay Artillery. <i>Camp.</i> —No details ..	<i>Water.</i> —Good and abundant for irrigation channel. <i>Supplies.</i> —Scanty. <i>Grass and fuel.</i> —Plentiful. <i>Camel grazing.</i> —Plentiful.	
12. Rustumabad.	14	184	Camels. Carts.	<i>Road.</i> —Over bare, flat plain, passable for all arms. <i>Camp.</i> —For an Army Corps between stream and village.	<i>Water.</i> —Good and abundant from karizes. <i>Supplies.</i> —In fair quantities. <i>Grass fuel and camel grazing.</i> —Fairly plentiful.	
13. Bam ..	27½	211½	Camels. Carts.	<i>Road.</i> —Passable for all arms and wheeled transport. <i>Camp.</i> —Unlimited. The best site for a camp is behind the telegraph office.	<i>Water.</i> —Good and abundant from karizes. <i>Supplies.</i> —Abundant. <i>Fuel.</i> —Scarce. <i>Lucerne.</i> —Abundant. <i>Camel grazing.</i> —None obtainable within six miles of town.	

Section A.

ROUTE No. 13.

FROM BASRAH TO KUWAIT *via* SAFWAN.

[Reference. —Routes in Arabia*.—Route No. .]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
Basrah City ..	2	2				
Edge of desert	2	4				
1. Zubair ..	6	10	Carts.	<p><i>Road.</i>—Good and open, passable for all arms.</p> <p><i>Camp.</i>—No details ..</p> <p>2 miles further on there is excellent camping ground with abundant water.</p>	<p><i>Water.</i>—Good and plentiful.</p> <p><i>Supplies.</i>—Small quantities only.</p> <p><i>Fodder.</i>—Nil.</p>	The country traversed is chiefly waterless desert.
2. Rafdiah ..	6	16	Camels.	<p><i>Road.</i>—Excellent; open and quite passable for all arms.</p> <p><i>Camp.</i>—Suitable for a brigade.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Camel.</i>—Grazing good.</p> <p><i>Supplies.</i>—Nil.</p>	
3. Safwan ..	16	32	Camels.	<p><i>Road.</i>—Possibly fit for Carts.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—From wells. There is a palm grove here.</p> <p><i>Supplies.</i>—Very scarce; a little lucerne and a few sheep.</p>	
4. Gishaniya wells.	11	43	Camels.	<p><i>Road.</i>—Good going ..</p> <p><i>Camp.</i>—No details</p>	<p><i>Water.</i>—Good from 6 wells.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Camel grazing.</i>—Good.</p>	
5. Hissu-ud- Thabi.	22	65	Camels.	<p><i>Road.</i>—Good going ..</p> <p><i>Camp.</i>—Close to some mounds.</p>	<p><i>Water.</i>—No details.</p> <p><i>Supplies.</i>—No details.</p>	
6. Jehara ..	26	91	Camels.	<p><i>Road.</i>—No details. ..</p> <p><i>Camp.</i>—For force not exceeding a brigade.</p>	<p><i>Water.</i>—Fair.</p> <p><i>Supplies.</i>—Nil.</p> <p>A little lucerne and Camel grazing.</p>	
7. Kuwait ..	15(?)	106	Camels.	<p><i>Road.</i>—In this stage is probably fit for carts.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—From wells outside town, not a large supply.</p> <p><i>Supplies.</i>—Of all sorts obtainable, but the actual agricultural resources are nil.</p> <p><i>Camel grazing.</i>—Obtainable.</p>	

* Book under compilation (1912).

Section A.

ROUTE No. 3-A.

FROM BASRAH TO KUWAIT *via* UMM QASR.

[Reference —Routes in Arabia*.—Route No. .]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Zubair ..	10	10	Carts.	<i>Road.</i> —Good and open ; passable for all arms. <i>Camp.</i> —No details. Camping ground for a Brigade 2 miles further on with abundant water.	<i>Water.</i> —Fair supply. <i>Supplies.</i> —Small quantities only. <i>Fodder.</i> —Nil.	
2. Rafdieh ..	6	16	Carts.	<i>Road.</i> —Excellent .. <i>Camp.</i> —For force not exceeding one brigade.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Nil. <i>Camel Grazing.</i> —Good.	
3. Umm Qasr	22	38	Carts.	<i>Road.</i> —Probably fit for wheels, sometimes flooded in places. <i>Camp.</i> —For force not exceeding one brigade.	<i>Water.</i> —For one Brigade. <i>Supplies.</i> —Nil. <i>Camel Grazing.</i> —Obtainable.	
4. Kotal ..	28½	66½	Carts.	<i>Road.</i> —Probably passable for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —No details. <i>Supplies.</i> —Nil.	
5. Bahara ..	3½	70	Carts.	<i>Road.</i> —Open ; country passable for carts. <i>Camp.</i> —Fit for a brigade.	<i>Water.</i> —Fair supply, but rather salt. <i>Supplies.</i> —Nil.	
6. Ikhtuei ..	11	81	Carts.	<i>Road.</i> —Probably passable for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —Unfit for drinking ; a fair supply can be got at mile 79.	
7. Katama ..	10	91	Carts.	<i>Road.</i> —Probably passable for wheels.	<i>Water.</i> —No. <i>Supplies.</i> —Nil.	
7. Jahara ..	3	94	..	<i>Camp.</i> —No details. Suitable ground for a brigade and fair supply of water.	<i>Water.</i> —Fair supply. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. A little lucerne and camel grazing.	
8. Kuwait ..	15	109	Carts.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —From wells. <i>Supplies.</i> —Of all sorts obtainable, but in no very large quantity. Local supplies and agricultural resources, <i>nil.</i> <i>Camel Grazing.</i> —Obtainable.	

*Book under compilation (1912).

Section A.

ROUTE No. 14.

FROM MUHAMMAREH TO AHWAZ. :

[Reference No. P-49, Route, in Persia, Volume III.—Route Nos. 89.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Qisbeh ..	7	7	Camels.	<i>Road.</i> —A level track along bank of Karun river. The road would be fit for wheeled transport were it not for the liability of the country to inundation. After rain the ground is swampy and impassable. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful from river. <i>Supplies.</i> —Practically nil. <i>Fuel.</i> —Scarce. <i>Grazing.</i> —Dependant on rainfall.	
2. Arab Camp	30	37	Camels.	<i>Road.</i> —Along flat river bank, liable to become swampy. <i>Camp.</i> —No details.	<i>Water.</i> —From the river. <i>Fuel.</i> —Very scarce. <i>Supplies.</i> —Nil. <i>Grazing.</i> —In places, depends on the rainfall.	
3. Arab Camp	24	61	Camels.	<i>Road.</i> —As before but slightly less liable to become swampy. <i>Camp.</i> —No details.	<i>Water.</i> —From river. <i>Supplies.</i> —In small quantities. <i>Fuel.</i> —Nil. <i>Grazing.</i> —Plentiful.	
4. Ahwaz ..	21	82	Camels.	<i>Road.</i> —Crosses ferry of Umm-ut-tamair. Ferry boat carries 1 ton. Horses and mules must swim across. Current in river strong. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —In small quantities, probably sufficient for 1,000 men at 15 days' notice.	

FROM MUHAMMAREH TO AHWAZ *via* ALTERNATIVE ROUTE.

A track passing over open uncultivated ground along left bank of Karun river. In dry weather, route could be practicable for transport of any description, but after rain would be almost impassable for wheels.

Obstacles.—The passage of the Marid about 12 miles above Muhammaroh. After rain this river is unfordable, a ferry has to be used and animals swum across.

Supplies.—Practically nil.

Grazing.—Very limited.

Fuel.—Scarce.

Water.—From the river.

Total Distance.—Sixty-two miles, no fixed stage halts could be made on river bank, where suitable in respect of water and fuel.

Section A.

ROUTE No. 15.

FROM BANDAR ABBAS TO LAR *via* OLD HORMUZ.

[Reference P. 49, Route in Persia, Volume III. - Routes Nos. 7 and 28.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Khaneh-i-Surkh.	12	12	Camels.	<i>Road.</i> —Fit for pack transport, would require 1 day's work by regiment of Pioneers to render it practicable for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —From cistern. Scarce in dry weather. <i>Supplies.</i> —Practically nil. <i>Grazing.</i> —Fair. <i>Fuel.</i> —Scanty.	
2. Gachin ..	11½	23½	Camels.	<i>Road.</i> —No difficulty for pack transport, but difficult and in places impassable for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —From cisterns, possibly brackish and scarce in dry weather. <i>Supplies.</i> —Practically nil. <i>Grazing.</i> —Good. <i>Fuel.</i> —Obtainable.	
3. Latidan ..	6½	30	Camels.	<i>Road.</i> —No difficulty. Pioneer regiment in 2 days could make it passable for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —Good, from well. Scarce in dry seasons. <i>Fuel.</i> —Obtainable. <i>Supplies.</i> —Nil. <i>Grazing.</i> —Plentiful.	
4. Kuristan ..	12½	42½	Camels.	<i>Road.</i> —Crosses the Shur river, difficult at all times and impassable in flood. <i>Camp.</i> —No details.	<i>Water.</i> —From cisterns. <i>Supplies.</i> —Nil. <i>Grazing.</i> —Good in the vicinity. <i>Fuel.</i> —Scanty.	
5. Kishidari	11	53½	Camels.	<i>Road.</i> —Would take 1 Pioneer Regiment about 6 days to convert to cart road. <i>Camp.</i> —No details.	<i>Water.</i> —Good, from cisterns. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scanty. <i>Grazing.</i> —Poor.	
6. Birkeh Nuk	7	60½	Camels.	<i>Road.</i> —Would require 1 Regiment Pioneers for 8 days to render passable for carts. <i>Camp.</i> —No details.	<i>Water.</i> —From a cistern. Limited (?) <i>Supplies.</i> —Practically nil. <i>Fuel.</i> —Scanty. <i>Grazing.</i> —Poor.	
7. Jihun ..	6½	67	Camels.	<i>Road.</i> —Difficult and stony. Would require 6 days' work by Pioneer Regiment to convert to cart road. <i>Camp.</i> —Unlimited ground on plain.	<i>Water.</i> —From 3 cisterns. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scarce but obtainable. <i>Grazing.</i> —Good.	
8. Pas Par Dalan.	8½	75½	Camels.	<i>Road.</i> —Easy over flat but stony ground. 1 Regiment Pioneers 2 days to convert to cart road. <i>Camp.</i> —No details.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Scanty. <i>Fuel.</i> —Obtainable. <i>Grazing.</i> —Poor.	

Section A.

ROUTE NO. 15—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS
9. Old Hormuz	18	93½	Camels.	<i>Road.</i> —Difficult, would require 3 weeks' work by a Regiment of Pioneers to make it passable for carts. <i>Camp.</i> —Ample ground for encamping.	<i>Water.</i> —From a cistern; if wells were sunk they might give a good supply. <i>Supplies.</i> —Source. <i>Grazing.</i> —Good. <i>Fuel.</i> —Obtainable.	New Hormuz lies about 45 miles to the west.
10 Badini ..	12½	106½	Camels.*	<i>Road.</i> —Crosses Gardani-Bazan at 5 miles; difficult for camels* at all times, and for all animals in wet weather. <i>Camp.</i> —Probably ample.	<i>Water.</i> —From 4 cisterns <i>Intermediate water:</i> 2 cisterns at 3½ miles, 2 cistern at 7 miles. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scanty. <i>Grazing.</i> —Good.	
11. Chehar Birkeh.	9½	115½	Camels.	<i>Road.</i> —Stony, and crosses many small watercourses. <i>Camp.</i> —No details.	<i>Water.</i> —From 4 cisterns. <i>Supplies.</i> —Scanty. <i>Fuel.</i> —Scanty. <i>Grazing.</i> —Fair.	
12. Birkeh-i-Burj.	13	128½	Camels.	<i>Road.</i> —Stony to 11 miles. <i>Camp.</i> —Probably ample.	<i>Water.</i> —From 2 cisterns. <i>Intermediate water.</i> —Cisterns as follows:— 2 at 1½, 1 at 3½, 1 at 8½, 3 at 8½, 1 at 11 miles. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scanty. <i>Grazing.</i> —Good.	<i>N.B.</i> —If water here is sufficient, it might be better to halt at Basti Pariab (8½ miles) where there are 4 cisterns, but grazing is poor
13. Lar ..	8	126½	Camels.	<i>Road.</i> —Easy; after 4½ miles runs through cultivation. <i>Camp.</i> —Ample.	<i>Water.</i> —Unlimited. <i>Supplies.</i> —For a brigade with transport, for a considerable time, obtainable. <i>Fuel.</i> —Scarce. <i>Fodder.</i> —C/ supplies.	

Section 4

ROUTE No. 16 (A).

LINGEH TO LAR *via* BASTAK AND NEW HORMUZ.

[Reference No. P. 49-Con.—Routes in Persia, Volume III,—Route No. 11.]

Stage.	Mileage.		Route suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Mirakum ..	14½	14½	All arms, Camels.	<i>Road.</i> —At ½ miles 200 yards of clay, and again clay from 8½ to 11½ miles; slippery in rain; latter stretch can be avoided by detour which adds 1½ miles. Road easy on the whole. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant from at least 12 wells. <i>Intermediate water:</i> tanks at 2 and 4 miles; wells at 8½, 12, 12½ miles. <i>Supplies.</i> —Small quantities of wheat. <i>Fuel.</i> —Small quantities. <i>Fodder.</i> —Numerous wheat fields.	Route is a donkey track, but is used by camels not infrequently; impassable for wheeled artillery; climate very hot in summer. <i>Grazing</i> for camels and donkeys said to be plentiful throughout. <i>Fuel</i> said to be obtainable.
2. Champeh	6	20½	All arms, Camels.	<i>Road.</i> —Easy. <i>Camp.</i> —No details.	<i>Water.</i> —From tanks. <i>Intermediate water:</i> tank at 1½ miles. <i>Supplies.</i> —With time to collect them, perhaps enough for 1 Indian battalion for 1 day. <i>Fodder.</i> —	
3. Serai Kuhl-Champeh.	8½	28½	Mules.	<i>Road.</i> —Very bad; narrow, winding among large rocks. <i>Camp.</i> —No details.	<i>Fuel.</i> — } See Remarks. <i>Water.</i> —Circular tank 40' diameter, 30' deep. <i>Supplies.</i> —Nil. <i>Fuel.</i> —No information. <i>Fodder.</i> —There are some wheat fields.	
4. Din ..	13½	42½	Mules.	<i>Road.</i> —Very bad; strewn with rocks and boulders; very steep ascents and descents 8° in places. 11½ to 13½ miles road is impassable in flood. Defile 16½ to 18½ miles, only 4 feet wide for 50 yards. <i>Camp.</i> —Ground is open.	<i>Water.</i> —From tank and pools. <i>Intermediate water:</i> at 5½ miles small cistern. <i>Supplies.</i> —Nil. <i>Fodder.</i> — } See Remarks. <i>Fuel.</i> — }	
5. Kuhkhard }	17	59	All arms, Camels* Mules.	<i>Road.</i> —At 9½ miles descent of 23°: at 10½ miles steep descent. Easily made passable for camels.* <i>Camp.</i> —Ground mostly cultivated.	<i>Water.</i> —Plentiful from <i>qanat</i> and numerous wells. <i>Intermediate water;</i> tanks at 6, 12½, 13½, 14½ miles; wells at 14½ miles. <i>Supplies.</i> —Scanty. <i>Fodder.</i> — } Trees and cultivation: <i>Fuel.</i> — } see Remarks.	
6. Bastak ..	9½	69	Camels.	<i>Road.</i> —Passable for all arms, except 6 to 8 miles, where it is rocky and steep. <i>Camp.</i> —Ground is an open plain.	<i>Water.</i> —Plentiful, from wells, cisterns, and springs. <i>Intermediate water:</i> wells at 2½ miles, tanks at 5½ miles. <i>Supplies.</i> —Wheat, barley and dates procurable; meat scarce. <i>Fodder.</i> — } See Remarks. <i>Fuel.</i> — }	

Section A.

ROUTE No. 16 (A)—concl'd.

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
7. Fathura ..	15½	84½	Camels, Mules.	<i>Road.</i> —At 4½ miles a pass very difficult for field guns. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful from wells and springs. <i>Intermediate water.</i> —Pond at 3, 4, 7, 8½, 9½, 10½ miles. <i>Supplies.</i> —Scanty. <i>Fodder.</i> —Camel-grazing good, and considerable amount wheat cultivation. <i>Fuel.</i> —Procurable.	
8. Anveh ..	7½	92½	All arms, Camels.	<i>Road.</i> —Good. <i>Camp.</i> —No details.	<i>Water.</i> —Good and plentiful. <i>Intermediate water.</i> —Ponds at 1, 4, 5½ miles. <i>Supplies.</i> —Small quantities. <i>Fodder.</i> —Grazing good, some wheat cultivation. <i>Fuel.</i> —Obtainable.	
9. New Hormuz	17½	110	Camels.	<i>Road.</i> —Passable for all arms, except 4½ to 5½ miles steep, rocky and narrow ascent and descent. Elsewhere good. <i>Camp.</i> —Open grassy slope.	<i>Water.</i> —Plentiful from wells, reservoirs and a spring. <i>Intermediate water.</i> —Ponds or cisterns at 2¾, 3½, 7, 8½, 11½, 16½ miles. <i>Supplies.</i> —Scarce. <i>Fodder.</i> — } Road passes through a good deal of cultivation and date <i>Fuel.</i> — } plantations.	Old Hormuz lies about 4 miles to the east
10. Nimeh (1544').	14	124	Camels.	<i>Road.</i> —Indifferent and stony. <i>Camp.</i> —Probably ample room.	<i>Water.</i> —From one pond, quantity uncertain. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Probably obtainable. <i>Grazing.</i> —Probably obtainable.	
11. Lar ..	13½	137½	Camels*, Mules.	<i>Road.</i> —At 7½ miles traverses a cutting 100 yards long and 8' wide*. <i>Camp.</i> —Ample.	<i>Water.</i> —Unlimited. <i>Supplies.</i> —Obtainable for a brigade with transport for a considerable time. <i>Fuel.</i> —Scarce. <i>Fodder.</i> —See supplies.	

Section A.

ROUTE No. 16—(B).

LINGEH TO OLD HORMUZ *via* BASTAK.

[Reference P. 49-Con.—Routes in Persia, Volume III—Routes Nos. 11 and 12.]

Stage.	Mileage.		Road suitable for	Description of road and camp.	Supplies.	REMARKS.
1. Mirakun ..	14½	14½	All arms.	See Route 16 (a), stage 1 to 6.	1 to 6.	Route quite impassable for wheeled artillery. Water fairly plentiful: supplies scarce, fuel scanty.
2. Champeh	6	20½	All arms.			
3. Serai Kuh-i-Champeh.	8½	28½	Camels. Mules.			
4. Din	13½	42½	Mules.			
5. Khuhkhard	17	59	All arms, Camels.* Mules.			
6. Bastak ..	9½	69	Camels.			
7. Mulla Vardi (1,025').	14½	83½	Camels.	Road.—First 8½ miles same as stage 5 of Route 16 (a). Thence good, but stony. Camp.—Level ground.	Water.—Scarce, from a well. Intermediate water.—Ponds at 3, 4, 7, 8½ miles. Supplies.—Nil. Fodder and Fuel.—No information.	
8. Tudiran (1,030').	8½	91½	All arms. Camels.	Road.—Good. Camp.—No details.	Water.—From cisterns and wells. Supplies.—Scarce. Fodder and Fuel.—No information.	
9. Gashun .. (1,450').	11½	103½	Camels.	Road.—Crosses several bad nalas, and would be slippery in places after rain. Camp.—Space probably ample.	Water.—From 3 cisterns, and a brackish spring. Supplies.—Nil. Fodder and Fuel.—Village is a small oasis in the desert, contains a few palm trees.	
10. Old Hormuz.	12	115½	Camels.	Road.—Crosses several bad nalas. Camp.—Space probably ample.	Water.—From cistern: wells, if sunk, might give good supply. Supplies.—Scanty. Fodder.—Good grazing. Fuel.—Obtainable.	

Section A.

ROUTE No. 16—(C).

FROM TAHIRI TO LAR *via* BEHRISTAN.

[Reference No. P-49—Route Book, No. 196—Routes No. 30 and 31.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Camp ..	?	?	..	No information.		
2. Gallehdar.. (2,137').	?	28	Camels (1).	Road.—No details. Camp.—Good ground.	Water.—Good and plentiful. Supplies.—Moderate, not to be relied on for operations. Fuel.—Scarce. Grazing.—Good.	
3. Behristan (2,115').	5	33	Camels.	Road.—Good. Camp.—Good camping grounds.	Water.—Good and plentiful Supplies.—Very limited. Fuel.—Scarce. Grazing.—Very good.	
4. Vardavan	14½	47½	Camels.	Road.—Crosses the Zalimi range and is not practicable for artillery. The Pass might be turned by marching round south-east extremity of the range. Camp.—Good.	Water.—Good from well and irrigation channel. Supplies.—Practically nil. Fuel.—Plentiful. Grazing.—Very good.	
5. Alamarv-dasht.	10½	58½	Camels.	Road.—No difficulty for pack transport. Camp.—Good.	Water.—Good and plentiful. Supplies.—Not to be relied on. Fuel.—Plentiful. Grazing.—Good.	
6. Zangur-Mama. (2,337').	11½	70	Camels.	Road.—Very difficult and rough in places over the Hava range. Camp.—Good. Intermediate camp.—At 4 miles with good and plentiful water.	Water.—From cistern, good. Supplies.—Practically nil. Fuel.—Plentiful. Grazing.—Good.	
7. Haftavan .. (2,490').	13	83	[Camels.	Road.—Fit for pack transport and probably for artillery. Camp.—Good.	Water.—Good and plentiful. Supplies.—Not to be relied on. Fuel.—Plentiful. Grazing.—Very good.	
8. Marz (2,490').	11½	94½	Camels.	Road.—Heavy going in places after rain. Camp.—Good. Intermediate camping grounds with water and fuel at 6½ and 8½ miles.	Water.—Good and plentiful. Supplies.—Scarce. Fuel.—Plentiful. Grazing.—Very good.	

Section A.

ROUTE No 16 (C)—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
9. Arad .. (2,625').	10	104½	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —Good.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Moderate. <i>Fuel.</i> —Scanty. <i>Grazing.</i> —Good.	
10. Gazdan ..	8½	113½	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —Good.	<i>Water.</i> —Good. <i>Supplies.</i> —Practically nil. <i>Fuel.</i> —Scanty. <i>Grazing.</i> —Good.	It may be possible to make a more equal division of the 36 miles covered in stages 9, 10, and 11.
11. Avaz ..	17½	130½	Camels.	<i>Road.</i> —Very difficult. Over th Gardaneh Mabada and Gardaneh Khudu the road is impassable except for pack transport. <i>Camp.</i> —Good. <i>Intermediate camping ground.</i> —With good water but poor grazing and scanty fuel at 15 miles.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —In considerable quantities. <i>Fuel.</i> —Scanty. <i>Grazing.</i> —Poor.	
12. Girash .. (3,425').	11½	142½	Camels.	<i>Road.</i> —Good. Passable for all arms. <i>Camp.</i> —Very good ground for camping.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —In fair quantities. <i>Fuel.</i> —Scarce. <i>Grazing.</i> —Very poor.	
13. Lar .. (2,975' town) (3,370' fort).	13½	155½	Camels.	<i>Road.</i> —Passable for all arms. <i>Camp.</i> —Ample ground for encampment.	<i>Water.</i> —Unlimited ; good water throughout this stage. <i>Supplies.</i> —For a brigade with transport for a considerable time, obtainable. <i>Fuel.</i> —Scarce.	

Section A.

ROUTE No. 16—(D).

MUGHU TO LAR *via* CHARAK, BASTAK AND NEW HORMUZ.

[Reference P. 49 Confidential.—Routes in Persia, Volume III—Routes Nos. 9 and 11.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Camp ..	10½	10½	All arms.	<i>Road.</i> —Good. <i>Camp.</i> —No details.	<i>Water.</i> —Two tanks and a well within a mile of camp. <i>Intermediate water.</i> —Tanks at 5 and 8 miles. <i>Supplies.</i> — <i>Fuel.</i> — <i>Fodder.</i> — } No information.	
2. Charak ..	9½	20½	All arms.	<i>Road.</i> —At 9½ miles salt creek, impassable at high tide or after heavy rain, otherwise good. <i>Camp.</i> —No details.	<i>Water.</i> —From wells and tanks. <i>Supplies.</i> — <i>Fuel.</i> — } No information. <i>Grazing.</i> —Good.	Anchorage in 4 fathoms, 1 mile from shore, landing bad at low water as beach dries in ridges.
3. Shahir ..	14½	35	All arms.	<i>Road.</i> —At 5½ miles crosses <i>nala</i> , impassable in flood, otherwise good. <i>Camp.</i> —Probably ample.	<i>Water.</i> —Three wells and 3 tanks 19 feet diameter holding 6 feet of water in April 1888. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Plentiful. <i>Fodder.</i> —Grassy plain and scanty cultivation.	
4. Janna .. (1,306 feet.)	15	50	Mules. Camels.?	<i>Road.</i> —Very bad, steep descent into, and ascent from, <i>nala</i> at 2½ miles. At 8 miles liable to landslips. <i>Nala</i> at about 13 miles, impassable after heavy rain. After 12½ miles road is narrow, thorough cultivation. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Intermediate water.</i> —Tanks at 2½, 5½, 10 and 12½ miles. <i>Supplies.</i> —Corn barley dates, sheep and goats obtainable. <i>Fuel.</i> —No information. <i>Fodder, bhusa.</i> —Obtainable	Town of 800 houses, extensive cultivation,
5. Bastak .. (1,570 feet.)	16½	66½	Camels.	<i>Road.</i> —Good, over level plain, at 2½ miles river impassable after heavy rain, but sometimes passable 1 mile upstream. <i>Camp.</i> —An open plain.	<i>Water.</i> —Plentiful from wells, cisterns and springs. <i>Intermediate water.</i> —Plentiful. <i>Supplies.</i> —Wheat, barley, and dates procurable. Meat scarce. <i>Fodder.</i> — <i>Fuel.</i> — } No definite information, but probably obtainable.	
6. Fathura ..	15½	82½	Camels.	} <i>See Route 16 (a),</i>		
7. Anveh ..	7½	90	All arms.			
8. New Hormuz	17½	107½	Camels.			
9. Nimeh .. (1,544 feet.)	14	121½	Camels.			
10. Lar ..	13½	135½	Camels.* Mules.			

Section A.

ROUTE No. 17.

FROM AHWAZ TO SHUSTAR.

[Reference P.-49.—Routes in Persia, Volume III.—Route No. 70.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Wais ..	16	16	Carts.	<i>Road.</i> —Level but stony in places, probably passable for wheels in good weather. <i>Camp.</i> —Good site for camp.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Plentiful.	
2. Band-i-Qir	12	28	Camels.	<i>Road.</i> —Hard and good, probably fit for carts in dry weather. <i>Camp.</i> —On low ground liable to floods or on higher ground 2 miles to the north.	<i>Water.</i> —From river. <i>Supplies.</i> —Fairly plentiful. <i>Fuel.</i> —Obtainable. <i>Grazing.</i> —Good.	
3. Daulatabad	11	39	Camels.	<i>Road.</i> —Over level ground and as before. <i>Camp.</i> —No details.	<i>Water.</i> —From river. <i>Supplies.</i> —Very scanty. <i>Fuel.</i> —Scarce. <i>Grazing.</i> —Four miles after passing Band-i-Qir available all the year round.	
4. Shushtar ..	21	60	Camels.	<i>Road.</i> —Not so good, is for the most part narrow and bad. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Procurable for 1,000 men without draining other districts. <i>Fuel.</i> —Scarce. <i>Grazing.</i> —Dependent on the rainfall.	

Note.—There is an alternative route from Band-i-Qir (stage 2) to Shushtar *via* left bank of the river. This road appears to be as good as the main route and to pass through better cultivated country.

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Section A.

ROUTE No. 18.

FROM SHIRAZ TO ISFAHAN.

[Reference P-49. —Routes in Persia, Volume III, Route No. 59.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Zarghun ..	21	21	Camels, Carts.	<i>Road.</i> —Passable for wheels but difficult especially over the N'al-Shikan and Gardan-i-Zarghun which would, owing to their steep gradients and the number of boulders, require a large amount of labour to convert them into an easy road for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —For 1 Regiment with transport, possibly more. <i>Fuel.</i> —Scarce, obtainable on notice. <i>Grazing.</i> —For all animals, good from April till end of June.	
2. Kinareh ..	18½	39½	Camels, Carts.	<i>Road.</i> —Level throughout and presents no obstacles in dry weather except over the Pul-i-Khan at 6½ miles. In wet weather the transport and artillery would be much delayed owing to the heavy soil. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —For a regiment with transport, possibly more. <i>Fuel.</i> —Scarce, obtainable on notice. <i>Grazing.</i> —As before.	
3. Sivand ..	16	55½	Camels, Carts.	<i>Road.</i> —The direct caravan route is passable for pack transport though the crossing of the Pulvar ford is difficult. This ford is avoided by the post road which makes a detour and is passable for all arms. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —For a regiment with transport. <i>Fuel.</i> —In abundance is obtainable on notice. <i>Grazing.</i> —As before.	
4. Deh-i-Nau	24	79½	Camels, Carts.	<i>Road.</i> would require much labour and blasting at the Tang-i-Kamin and Tang-i-Bulaghi to render it passable for wheels. The post road is used for carriages and would be passable but in places difficult for wheeled transport: in this stage it also makes a detour <i>via</i> Sa'adat-abad to Dehbid.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Practically nil. <i>Fuel.</i> —Obtainable.	
5. Dehbid ..	29	108½	Camels, Carts.	<i>Road.</i> —Narrow and bad between 5th and 7th miles, otherwise excellent.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Practically nil.	
6. Khan-i-Khureh.	18	126½	Camels, Carts.	<i>Road.</i> —Passable for all arms but bad and stony with bad ascents and descents.	<i>Water.</i> —Good but limited. <i>Supplies.</i> —Practically nil.	

Section A.

ROUTE No. 18—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
7. Surmaq ..	24	150½	Camels, Carts.	<i>Road.</i> —Easy for pack transport and passable and fair for wheeled transport.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —For a regiment with transport. <i>Bhusa</i> and barley for a brigade. <i>Fuel.</i> —Plentiful.	
8. Abadeh ..	16	166½	Camels, Carts.	<i>Road.</i> —Excellent and passable for all arms, but liable to cut up and become bad in wet weather. Nothing to obstruct the rate of marching.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —For a regiment with transport. <i>Fuel.</i> —Scarce.	The Abadeh district is fertile.
9. Shulgistan	18½	185	Camels, Carts.	<i>Road.</i> —As before except for first three miles where it is enclosed by mud walls and would delay rate of marching. <i>Camp.</i> suitable camping ground on plain to west of village.	<i>Water.</i> —Fair but limited in quantity. <i>Supplies.</i> —Practically nil. <i>Fuel.</i> —Scarce.	
10. Yazd-i-Khast.	20	205	Camels, Carts.	<i>Road.</i> —Broad and good for the most part but the descent into the ravine at 19½ miles is dangerous for carriages and guns and it would require considerable labour to construct a ramp down into it.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —For at least half a battalion with transport. <i>Fuel.</i> —Plentiful.	
11. Mansud Begi.	22½	227½	Camels, Carts.	<i>Road.</i> —For the most part is broad and good with nothing to delay the rate of marching.	<i>Water.</i> —Good but limited. <i>Supplies.</i> —For half a battalion with transport.	
12. Qumisbeh	14½	241½	Camels, Carts.	<i>Road.</i> —Broad and good and with no obstacles to the passage of all arms.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —For a regiment with transport and perhaps for a larger force. <i>Fuel.</i> —Abundant.	There are 40,000 inhabitants in Qumisbeh.
13. Mohiar .. (6,400 feet).	20½	262½	Camels, Carts.	<i>Road.</i> —Excellent throughout. <i>Camp.</i> —The <i>caavans-rai</i> here would hold 2 regiments of cavalry.	<i>Water.</i> —Good but limited. <i>Supplies.</i> —Practically nil. <i>Fuel.</i> —Very scarce.	
14. Marq ..	21½	283½	Camels, Carts.	<i>Road.</i> —Crosses the Kotal-i-Urchin which is very difficult and almost impassable for guns, the post road makes a detour, however, and avoids the pass.	<i>Water.</i> —Limited and of poor quality. <i>Supplies.</i> —Practically nil. <i>Fuel.</i> —Very scarce.	
15. Isfahan ..	12½	296	Camels, Carts.	<i>Road.</i> —No difficulty.	<i>Water.</i> —Abundant. <i>Supplies.</i> —For a division for some time.	There are 80,000 inhabitants in Isfahan.

Note.—The caravan route and the post road from Shiraz to Isfahan are not identical, the post road making detours. The road is fit for wheeled artillery and transport except from Quvnamabad (stage 4) to Dehbid, the post road here making a long detour, the direct caravan route being only fit for pack transport.

Section A.

ROUTE No. 19.

FROM YAZD TO KASHAN.

[Reference P.-48.—Routes in Persia, Volume II, Route No. 29.]

Stage.	Mileage.		Road [suitable for	Camps.	Supplies.	REMARKS.
1. Hajatabad	13	13	Carts.	<i>Road.</i> —Good and level, fit for wheeled artillery and transport.	<i>Water.</i> —From a large tank. <i>Supplies.</i> —Abundant.	
2. Kuchil .. (3,638 feet).	20	33	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —Second rate. <i>Supplies.</i> —Obtainable on notice.	
3. Aqda .. (3,753 feet).	22	55	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —No details. <i>Intermediate.</i> —Good well at 5½ miles, and at 18 miles. Village at 20½ miles. <i>Supplies.</i> —Probably abundant on notice.	
4. Nau Gumbaz (4,149 feet).	25	80	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —Undrinkable. <i>Intermediate.</i> —Good water at 5 and 10 miles. <i>Supplies.</i> —Nil.	
5. Nain .. (3,888 feet).	16	96	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —Good. <i>Supplies.</i> —Abundant. Sheep, goats, camels plentiful.	
6. Naistanak (5,721 feet).	17	113	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —From a stream. <i>Supplies.</i> —Obtainable.	
7. Jugund .. (5,412 feet).	21½	134½	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —Indifferent; but good water can be obtained from a short distance. <i>Supplies.</i> —Plentiful.	
8. Ardistan .. (4,024 feet).	13½	148	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —Abundant and good. <i>Supplies.</i> —Plentiful.	
9. Mughar .. (3,116 feet).	17½	165½	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Plentiful.	
10. Kalidabad (3,178 feet).	14	179½	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —No details, but is available. <i>Supplies.</i> —Probably plentiful.	
11. Abu Zaidabad.	17	196½	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —From <i>qanats</i> . <i>Supplies.</i> —Scarce but procurable.	
12. Kashan ..	17	213½	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Abundant	

Section A.

ROUTE No. 20.
FROM ISFAHAN TO KASHAN.

[Reference P. 48.—Routes in Persia, Volume II, Route No. 46.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Chah Bagh	10	10	Camels, Carts.	<i>Road.</i> —The first 2 miles are very bad and the numerous water channels met with make this stage very difficult for wheeled guns and transport.	<i>Water.</i> —No details. <i>Supplies.</i> —Obtainable on notice. <i>Fuel.</i> —Scarce.	
2. Amirabad	11	21	Carts.	<i>Road.</i> —Passable for all arms. Excellent going.	<i>Water.</i> —No details. <i>Supplies.</i> —No details. <i>Fuel.</i> —Scarce.	
3. Murchikan (5,500'.)	15	36	Carts.	<i>Road.</i> —Excellent going. <i>Camp.</i> —On plain near caravanserai or beyond the village.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Scarce. <i>Fuel.</i> —Scarce.	
4. Nizamabad	15	51	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —No details. <i>Supplies.</i> —Nil.	
5. Tarkh ..	14	65	Camels.	<i>Road.</i> —As before.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Abundant.	
6. Imamzadeh	12	77	Camels.	<i>Road.</i> —As before but stony in places.	<i>Water.</i> —No details. <i>Supplies.</i> —For a battalion <i>Fuel.</i> —Scanty.	The town of Natanz is passed through in this stage.
7. Khafr ..	10	87	Camels.	<i>Road.</i> —Wind among low hills. There are bits of stony ground but otherwise no difficulties.	<i>Water.</i> —Probably plentiful. <i>Supplies.</i> —Probably obtainable in large quantities from surrounding district on notice.	
8. Dehabad ..	12	99	Camels.	<i>Road.</i> —Good. Passable all arms.	<i>Water.</i> —No details. <i>Supplies.</i> —Could be collected on notice sufficient for a brigade for a few days. <i>Fuel.</i> —Scarce.	
9. Muhammadi	15	114	Camels.	<i>Road.</i> —As before.	<i>Water.</i> — } <i>Supplies.</i> — } No details. <i>Fuel.</i> —Scarce.	
10. Khurram	11	125	Camels.	<i>Road.</i> —As before.	<i>Water.</i> — } <i>Supplies.</i> — } no details. <i>Fuel.</i> —Scarce.	
11. Kashan ..	14	139	Camels.	<i>Road.</i> —Over level plain, good as a rule but sandy in places, for last 2 miles it runs over very soft soil and in wet weather would be quite impassable for wheels.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all kinds abundant. <i>Fuel.</i> —Scarce.	There are 30,000 inhabitants in Kashan.

Section A.

ROUTE No. 21.

FROM KASHAN TO TEHRAN.

[Reference P-48.—Routes in Persia, Volume II, Route No. 46.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Nasrabad ..	13	13	Carts.	<i>Road.</i> —A fair road, not made but partially cleared of stones and a very fair driving road in dry weather.	<i>Water.</i> —No details. <i>Supplies.</i> —Obtainable on notice. <i>Fuel.</i> —Scarce.	Village and <i>serai</i> .
2. Sin-Sin ..	12	25	Carts.	<i>Road.</i> —As before but treacherous in wet weather.	<i>Water.</i> —Good. <i>Supplies.</i> —Would have to be drawn from Kashan.	
3. Shurab ..	12	37	Carts.	<i>Road.</i> —Through low hills and rather rough.	<i>Water.</i> —Excellent. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Plentiful.	
4. Pasangan (2,937').	12	49	Carts.	<i>Road.</i> —Good. <i>Camp.</i> —On gravelly plain near Serai.	<i>Water.</i> —Different. <i>Supplies.</i> —Scarce; obtainable from Kum. <i>Camel grazing.</i> —Obtainable but not plentiful.	
5. Qum (Kum) (3,100').	16	64	Carts.	<i>Road.</i> —Over stony plain, good.	<i>Water.</i> —Abundant, but brackish in summer. <i>Supplies.</i> —Abundant.	There are 20,000 inhabitants in Qum.
6. Manzarieh	17½	81½	Carts.	<i>Road.</i> —Fit for wheeled transport.	<i>Water.</i> —Of fair quality from <i>qanat</i> . <i>Supplies.</i> —Nil; must be obtained from Kum.	
7. Kashk-i-Nasrat.	16	97½	Carts.	<i>Road.</i> —A good natural road throughout. <i>Camp.</i> —No details. <i>Intermediate Camp.</i> —At 8 miles with plentiful water.	<i>Water.</i> —Good. <i>Supplies.</i> —Very limited.	
8. Kaleh Muhammad Ali Khan.	14½	112	Carts.	<i>Road.</i> —Fairly good; but over hilly and rocky ground for last 9 miles.	<i>Water.</i> —No details. <i>Supplies.</i> —Not to be relied on.	
9. Hasanabad	17	129	Carts.	<i>Road.</i> —Good and level for the most part.	<i>Water.</i> —No details. <i>Supplies.</i> —Not to be relied on.	
10. Kharizak (3,564').	14	143	Carts.	<i>Road.</i> —Good except over sandy places in wet weather.	<i>Water.</i> —No details. <i>Supplies.</i> —Limited, not to be relied on for operations. Could be procured on notice, however, from the district.	
11. Teheran	13	156	Carts.	<i>Road.</i> —Good throughout.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all sorts abundant.	Teheran has 280,000 inhabitants.

Section A.

ROUTE No. 22.

FROM NASRATABAD TO MESHED, *viâ* TURBAT-I-HAIDARI.

[Reference P.-49.—Routes in Persia, Volume IV, Routes Nos. 74 and 78.]

[Routes in Persia, Volume I.—Route No. 3.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Afzalabad	5½	5½	Camels.	<i>Road.</i> —Good in dry weather, very slippery after rain. Fit for Field Artillery.	<i>Water.</i> —Scarce. <i>Supplies.</i> —Scanty. <i>Fuel.</i> —Nil. <i>Camel grazing.</i> —Fair.	Stages 1 and 2 are across the Hamun-i-Sistan.
2. Baring ..	20	25½	Camels	<i>Road.</i> —As before, but quite impassable after heavy rains.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Abundant.	
3. Hauz-i-Nadiri	16	41½	Carts.	<i>Road.</i> —Excellent going. Passable all arms.	<i>Water.</i> —Excellent and plentiful except after prolonged drought, and in months of June, August, December and February when it is often scarce. <i>Supplies.</i> —Nil. <i>Fuel and grazing.</i> —Obtainable in fair quantity.	
4. Zainulabad (2,450').	17½	59½	Carts.	<i>Road.</i> —Excellent <i>Camp.</i> —For a Brigade.	<i>Water.</i> —Plentiful; but slightly brackish. <i>Supplies.</i> —Obtainable in considerable quantities from the district on notice.	
5. Anjireh ..	18½	77½	Carts.	<i>Road.</i> —Well defined and fit for Field Artillery.	<i>Water.</i> —For a brigade. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Plentiful. <i>Fuel.</i> —Scarce.	
6. Guru Rud	10	87½	Carts.	<i>Road.</i> —Good and level throughout; fit for wheels and troops can move on a broad front.	<i>Water.</i> —Plentiful but slightly brackish. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Plentiful. <i>Fuel.</i> —Scarce.	
7. Shusp (5,450').	25	112½	Carts.	<i>Road.</i> —Good and level	<i>Water.</i> —Good, probably ample for brigade. <i>Supplies.</i> —In small quantities only. <i>Camel grazing.</i> —Plentiful. <i>Fuel.</i> —Scarce.	

Section A.

ROUTE NO. 22—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
8. Chah-i-Daraz	14	126½	Carts.	Road.—Excellent.	Water.—For a brigade. Supplies.—Nil. Fuel.—Scarce. Camel grazing.—Abundant.	
9. Sehlabad (4,650').	16	142½	Carts.	Road.—Good and level, fit for wheels.	Water.—Plentiful, but slightly brackish. Supplies.—Obtainable. Camel grazing.—Abundant.	
10. Nukradi (5,950').	22½	165½	Carts.	Road.—Good throughout and practicable for wheels.	Water.—Plentiful. Supplies.—Nil. Camel grazing.—Good. Fuel.—Scarce.	
11. Mud (6,150').	23½	188½	Carts.	Road.—Practicable for wheels but has two steep gradients in it which might prove troublesome in wet weather.	Water.—Excellent. Supplies.—Plentiful. Fuel.—Obtainable. Camel grazing.—Plentiful.	
12. Birjand (4,975').	22	210½	Carts.	Road.—Level and practicable for wheels.	Water.—Abundant. Supplies.—For a brigade for a few days. Camel grazing.—Good.	Birjand has 25,000 inhabitants.
13. Ghibk. (6,220').	18	228½	Carts.	Road.—The worst portion is at about 10 miles, on south side of the Saman Shah Pass (6,700 ft.) Camp.—For a brigade.	Water.—Good, sufficient for a brigade. Supplies.—Scarce. Fuel.—Available.	
14. Sehdeh ..	18	246½	Carts.	Road.—Good.	Water.—For a brigade. Supplies.—For a cavalry regiment for some days. Fuel.—Available.	
15. Rum (5,360').	12	258½	Carts.	Road.—Good.	Water.—Good and plentiful. Supplies.—Cattle, sheep, and goats, 600 maunds of wheat and about 300 maunds barley are produced annually.	
16. Kain ..	22	280½	Carts.	Road.—Good.	Water.—Abundant. Supplies.—For a brigade for one or two days.	Kain has 12,000 inhabitants.
17. Naughab (4,620').	13	293½	Carts.	Road.—Good, winding among hills but with no steep gradients.	Water.—Abundant. Supplies.—Not to be relied on.	

Section A.

ROUTE No. 22—contd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
18. Kidri, (4,470').	21	314½	Carts.	Road.—Would cut up in wet weather.	Water.—Abundant. Supplies.—Obtainable. Camel grazing.—Abundant.	
19. Khakh* .. (5,600').	14	328½	Carts.	Road.—Crosses three <i>ku-tals</i> , two of 6,500 feet, one of 6,800 feet; many of the gradients are severe and carts could only pass with difficulty. The earth, however, is soft and a cart road could be made with but little labour.	Water.—Abundant. Supplies.—Plentiful. Fuel.—Available.	
20. Jumin .. (Gunabad) (3,600').	12	340½	Carts.	Road.—A slight descent the whole way. Road.—Fit for carts.	Water.—Abundant. Supplies.—For a brigade for some days. Camel grazing.—Plentiful.	
21. Amrani .. (3,050').	16	356½	Carts.	Road.—Passable for carts, though the second half of the stage is rather hilly.	Water.—From a small <i>Kariz</i> . Supplies.—Scanty.	
22. Maina .. (3,000').	32	388½	Carts.	Road.—Over treeless and waterless desert, the soil of which becomes a quagmire after rain, in dry weather it is good going for camels and passable, with difficulty, for carts.	Water.—Good, none en route. Supplies.—Could be obtained for a cavalry regiment. Camel grazing.—Fair.	
23. Sikander - abad,	12	400½	Carts.	Road.—Good and flat.	Water.—Abundant. Supplies.—Might be sufficient for one cavalry regiment. Camel grazing.—Fair.	
24. Turbat-i-Haidari.	17	417½	Carts.	Road.—Good and level.	Water.—Abundant. Supplies.—In normal seasons for one Indian Division for 10 days, or, for 20 days, if carefully collected from the district. The Russians estimate that a force of 20,000 men could be fed here for one month. Camel grazing.—Fairly abundant.	Turbat-i-Haidari has 15,000 inhabitants.
25. Robat-i-Sang.	20½	438	Camels.	Road.—Very narrow at 10½ miles, camels must go in single file. Could easily be made passable for carts.	Water.—Good from stream Supplies.—Scarce.	

* Note—Khakh is renowned for its iron work and would be a valuable station for repairing carts for a force moving by this route.

Section A.

ROUTE No. 22—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
26. Robat-i-Safid (5,600').	22½	460½	{ Camels.	<i>Road.</i> —Difficult in places for Field Artillery. A pass is crossed. Could easily be made passable for carts.	<i>Water.</i> —For a brigade. <i>Supplies.</i> —Obtainable. <i>Camel grazing.</i> —Plentiful. <i>Fuel.</i> —From the surrounding hills.	
27. Kafir Kaleh (5,025').	7	467½	Carts.	<i>Road.</i> —Good, no severe gradients but heavy going after rain or snow.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Obtainable. <i>Camel grazing.</i> —Plentiful.	
28. Sharifabad (4,800').	12	479½	Carts.	<i>Road.</i> —As in previous stage.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Abundant.	
29. Turuq ..	15	494½	Carts.	<i>Road.</i> —Good and level.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —No details.	
30. Meshed ..	6½	500½	Carts.	<i>Road.</i> —Good and level.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Abundant.	Meshed has 75,000 inhabitants.

Note.—It may be taken that the above route is a cart road although in places it would require improvement, this could in nearly every case be made by the pioneers accompanying a force using this route. Generally speaking, the route is open all the year round, the passes being only occasionally blocked by snow.

Camping grounds and water for a brigade are obtainable at every stage, though the latter might run short at certain places if there were many transport animals.

Supplies.—After the harvesting, *i.e.*, after end of July, supplies for a regiment of cavalry or infantry should be obtainable at all stages, but a large force would have to form advance supply depôts at Birjand, Kain, Gunabad and Turbat and take transport with them for at least 4 days' supply.

Section B.

ROUTE No. 1.

FROM CHAMAN TO KANDAHAR via THE OLD MAIN ROAD.

[Reference—Routes in Afghanistan S. E., Route No. 59].

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Wat Thana.	10	10	Carts.	<i>Road.</i> —Through level country; practicable for all arms and carts. <i>Camp.</i> —On open plain; ample space.	<i>Water.</i> —Arrangements would have to be made beforehand in order to obtain an adequate supply. <i>Supplies.</i> —On notice in small quantities. Grain and bhusa obtainable from district round. <i>Camel grazing.</i> —Scanty.	
2. Dabrai ..	9½	19½	Carts.	<i>Road.</i> —As before .. <i>Camp.</i> —Camping ground extensive.	<i>Water.</i> —Arrangements for water require improvement before being fit to meet requirements of a large force. <i>Supplies.</i> —Scarce, perhaps 200 maunds wheat and 400 maunds bhusa obtainable <i>Camel grazing.</i> —Scanty.	
3. Mel Karez.	12	31½	Carts.	<i>Road.</i> —As before .. <i>Camping ground.</i> —Extensive.	<i>Water.</i> —Abundant from karez. <i>Supplies.</i> —Scarce, camels, sheep and goats in some numbers. <i>Fuel.</i> —Scarce. <i>Camel grazing.</i> —Good except in winter. <i>Forage.</i> —Scarce.	
4. Abdul Rahman (Takh-tapul).	14	45½	Camels and Carts.	<i>Road.</i> —As before up to 12 miles then over heavy sand. <i>Camping ground.</i> —Extensive.	<i>Water.</i> —Good and abundant from karez and tank. <i>Supplies.</i> —Scarce. <i>Fuel.</i> —Scarce. <i>Forage.</i> —Scarce. <i>Camel grazing.</i> —Scarce.	
5. Mandi Hissar	15	60½	Carts.	<i>Road.</i> —Easy .. <i>Camp.</i> —For a division	<i>Water.</i> —From river (?) <i>Supplies.</i> —Small quantities some sheep and goats. <i>Forage, fuel and camel grazing.</i> —Scarce.	
6. Kandahar	10½	71½	Camels and Carts.*	<i>Road.</i> —Easy but the numerous irrigation channels might hinder wheeled transport.* <i>Camp.</i> —On maidan North of city or at 12 miles.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all sorts plentiful.	

Section B.

ROUTE No. 1-A.

FROM CHAMAN (NEW) TO KANDAHAR, *via* DORI RIVER.

[Reference.—Routes in Afghanistan S. E., Route No. 63].

Stage.	Mileage.		Road suitable for.	Camps.	Supplies.	REMARKS.
1. Kila Malik Ghazi.	12	12	Camels.	<i>Road.</i> —Across open country. <i>Camp.</i> —No details.	<i>Water.</i> —Sufficient for 2,000 men and 500 camels from 11 wells. Water also brought by <i>karez</i> from Murgha 8 miles distant. <i>Supplies.</i> —About 200 maunds of wheat and 400 of <i>bhusa</i> obtainable. <i>Grass.</i> —Nil.	<i>Note.</i> —This route is fit for Field Artillery and probably for carts with but little improvement.
2. Shah Pasand	6	18	Camels.	<i>Road.</i> —Easy across open country. <i>Camp.</i> —No details ..	<i>Water.</i> —From a stream. <i>Supplies.</i> —Scarce. <i>bhusa</i> obtainable. <i>Wood.</i> —Procurable. <i>Camel grazing.</i> —Good except in mid-winter.	
3. Takhtapul	19	37	Camels.	<i>Road.</i> —Good going for all arms most of the way. A defile at 10 miles and a few stretches of sand would delay artillery. <i>Camp.</i> —On broad level plain on right of river.	<i>Water.</i> —From river excellent and abundant. <i>Supplies.</i> —Scarce, small amount of <i>bhusa</i> obtainable. <i>Grass.</i> —Grazing indifferent.	
4. Dehi-Haji.	10	47	Camels.	<i>Road.</i> —Fit for Field Artillery throughout. <i>Camp.</i> —No details ..	<i>Water.</i> —Abundant but rather brackish. <i>Supplies.</i> —The village was deserted in 1905 and no certain information has been received of its re-occupation since.	
5. Khushab ..	10	57	Camels.	<i>Road.</i> —Easy for Artillery. <i>Camp.</i> —No details .. 1½ miles south-west of Khushab is <i>Karez-Zarak</i> , camp of a Division in 1880.	<i>Water.</i> —Abundant. <i>Supplies.</i> — <i>Bhusa</i> and barley procurable. <i>Camel grazing.</i> —Scarce.	
6. Kandahar (South Gate).	9	66	Camels.	<i>Road.</i> —Practicable for Artillery but with difficulty owing to deep water cuts and narrow bridges. <i>Camp.</i> —No details ..	<i>Water.</i> —Abundant from canals and wells. <i>Supplies.</i> —Of all sorts abundant.	

Section B.

ROUTE No. 2.

FROM KANDAHAR TO NASRATABAD.

[Reference—Routes in Afghanistan S. W.—Route Nos. 31 and 58.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Sinjiri ..	12	12	Carts.	} For these two stages	C/ route No. 3.	
2. Haoz-i-Madat.	14	26	Carts.			
3. Shah Mir Kala.	10½	36½	Camels.	Road.—No details ..	Water.—Abundant.	
				Camp.—No details ..	Supplies.—Scarce.	
4. Kala Saidal.	10½	47	Camels.	Road.—No details ..	Water.—Abundant.	
				Camp.—No details ..	Supplies.—Scarce.	
5. Gumbaz-i-Surkh.	14	61	Camels.	Road.—No details ..	Water.—Abundant.	
				Camp.—No details ..	Supplies.—In very small quantities.	
<i>Alternative route for stages 3, 4, 5.</i>						
3. Ata Karez	10	36	Camels.	Road.—Good. ..	Water.—Abundant.	
				Camp.—Ample room for camp.	Supplies.—Wood, <i>bhusa</i> , grain and flour are plentiful. Camel grazing.—Poor.	
4. Chasma	10	46	Camels.	Road.—Good ..	Water.—Abundant.	
				Camp.—Below village near the river which is here fordable, waist-deep.	Supplies of wood, <i>bhusa</i> and lucerne plentiful. Camel-grazing.—In January good.	
5. Gumbaz-i-Surkh.	11	57	Camels.	Road.—Good.		
6. Bala Khana	13½	74½	Camels.	Road.—No details ..	Water.—Good and plentiful.	
				Camp.—No details ..	Supplies.—Wood, <i>bhusa</i> , lucerne, and barley obtainable in small quantities.	
7. Jui Sarkar.	12½	87	Camels.	Road.—No details ..	Water.—Abundant.	
				Camp.—No details ..	Supplies.—Scarce.	
8. Kala-i-Bist.	12	99	Camels.	Road.—No difficulties	Water.—Abundant. Supplies.—Procurable in fair quantity.	
				Camp.—No details ..	Fuel.—Abundant. Camel grazing.—Abundant.	
9. Gudar Barhans.	16	115	Camels.	Road.—Crosses the Arghandab at three miles, about 100 yards above its junction with the Helmand, difficult crossing when flooded. Road then proceeds down left bank of the Helmund.	Water.—Abundant.	
				Camp.—No details ..	Supplies, etc.—No details.	

Section B.

ROUTE No. 2—contd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
10. Hazarjuft.	11	126	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details. ..	<i>Water.</i> —Abundant. <i>Supplies.</i> —No details. There is a good deal of cultivation round Hazarjuft and supplies are probably obtainable.	
11. Darweshan Bala.	8	134	Camels.	<i>Road.</i> —Good .. <i>Camp.</i> —No details. ..	<i>Water.</i> —Abundant. <i>Supplies.</i> —Probably in fair quantities. Country very rich in cultivation.	
12. Mian Push-ta.	10½	144½	Camels.	<i>Road.</i> —Good .. <i>Camp.</i> —No details ..	<i>Water.</i> —Abundant. <i>Supplies.</i> —Probably plentiful.	
13. Safar ..	12	156½	Camels.	<i>Road.</i> —Easy .. <i>Camp.</i> —No details ..	<i>Water.</i> —Abundant. <i>Supplies.</i> —Probably plentiful.	
14. Binadar ..	10	166½	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details. ..	<i>Water.</i> —Abundant. <i>Supplies.</i> —Land very fertile, supplies probably plentiful.	
15. Landi Muhammad Amin.	11	177½	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details ..	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable in large quantities.	
16. River bank opposite Kala Sabz.	15	192½	Camels.	<i>Road.</i> —Good .. <i>Camp.</i> —No details .. There are many villages on opposite bank of river which is crossed by 2 fords.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable in large quantities from villages on opposite bank.	
17. Deshu ..	12	204½	Camels.	<i>Road.</i> —For some part very heavy-going in wet weather. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Corn and <i>bhusi</i> obtainable in small quantities but ample supplies for a large force could be collected from the villages round. <i>Camel grazing.</i> —Good.	
18. Kwaja Ali (upper).	11	215½	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —No details. ..	<i>Water.</i> —Abundant. <i>Supplies.</i> —In small quantities.	
19. Khwaja Ali (lower).	11½	227	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —A considerable amount of cultivation. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Abundant.	
20. Landi Barechi.	17½	244½	Camels.	<i>Road.</i> —Good and easy for all arms. <i>Camp.</i> —To the West of the village.	<i>Water.</i> —Abundant. <i>Supplies.</i> —About 13,000 maunds (Indian) of grain produced annually. A few sheep and cattle.	

Section B.

ROUTE No. 2—*contd.*

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
21. Rudbar (1,850 ft.)	12½ 257½	Camels.	<i>Road.</i> —Good throughout. <i>Camp.</i> —No details ..	<i>Water.</i> —Abundant. <i>Supplies.</i> —Considerable; about 15,000 maunds of grain grown annually. Sheep and goats cattle and camels.	
22. Kala-Madar-i-Padshah- (1,760 ft.)	15 272½	Camels, Carts.	<i>Road.</i> —The road in this stage is good and fit even for heavy guns. Leads over a gravelly plain. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —In small quantities; a few sheep, cattle and camels.	
23. Chilmarez.	12½ 285	Camels.	<i>Road.</i> —Very good for all arms. Kukru ford at 2½ miles, a good ford. <i>Camp.</i> —By the ruins of Chilmarez on left bank of river.	<i>Water.</i> —Abundant. <i>Supplies.</i> —No details.	
24. Chahar Burjak.	9½ 294½	Camels.	<i>Road.</i> —Good, at 7 miles, a little road making would be required to render it passable for artillery. At 9 miles road arrives at ford opposite Chahar Burjak; this ford is not a permanent one, <i>i.e.</i> , is subject to change after floods when the channel alters. <i>Camp.</i> —On black gravelly plain. Ample room.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all kinds in considerable quantity.	
25. Band-i-Kamal Khan.	11 305½	Camels.	<i>Road.</i> —Practicable for field artillery. <i>Camp.</i> —On open plain.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Scarce. <i>Fodder.</i> —Plentiful. <i>Camel grazing.</i> —Plentiful.	
26. Dak-i-Dela	14 319½	Camels.	<i>Road.</i> No difficulty. <i>Camp.</i> —On mounds of sand overlooking river. Intermediate camp at Bujar-i-Kushta at 8½ miles.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Not to be relied on. <i>Fodder.</i> —Plentiful.	
27. Gur Haji.	12 331½	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details ..	<i>Water.</i> —Abundant. <i>Fodder.</i> —Plentiful. <i>Supplies.</i> —No details.	
28. Burj Alam Khan.	19 350½	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details ..	<i>Water.</i> —Abundant. <i>Fodder.</i> —Plentiful. <i>Supplies.</i> —No details but village is surrounded by cultivation.	
29. Muham- madabad.	12 362½	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details.	<i>Supplies.</i> —No details.	

Note.—There is an alternative route running from Kukru to Chahar Burjak 18 miles, the road is fit for camels but indifferent for guns. It runs down the right bank of the river.

Section B.

ROUTE No. 2—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
<i>Alternative route.</i>						
28. Sehkoḥa. (near Lutak.)	25	356½	Camels.	<i>Road</i> —Desert route fit for camels only. <i>Camp</i> .—At Lutak 2 miles west-south-west of Sehkoḥa.	<i>Water</i> .—No water until near Sehkoḥa. Plentiful at Lutak. <i>Supplies</i> .—Plentiful. <i>Fuel</i> .—Plentiful. <i>Fodder</i> .—Plentiful.	
From Lutak 2 miles west-south-west of Sehkoḥa.						
29. Muham-madabad.	12	368½	Camels.	<i>Road</i> —Good but rendered almost impassable after heavy rain or snow. <i>Camp</i> .—No details.	<i>Water</i> .—Plentiful. <i>Supplies</i> .—Procurable. <i>Fodder</i> .—Fair amount. <i>Grazing</i> .—Good. <i>Fuel</i> .—Plentiful.	
30. Nasratabad.	12	380½	Camels.	<i>Road</i> —Fair but crosses many irrigation channels all unbridged. Swampy in wet weather. <i>Camp</i> .—No details.	<i>Water</i> .—Abundant. <i>Supplies</i> .—Can be collected in large quantities from surrounding villages. <i>Camel grazing</i> .—Abundant. <i>Fuel</i> .—Has to be brought in from a distance.	

Section B.

ROUTE No. 3.

FROM KANDAHAR TO GIRISHK.

[Reference.—Routes in Afghanistan S. W., Route No. 1].

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS,
1. Sinjiri ..	12	12	Carts.	<p><i>Road.</i>—No difficulty up to 6 miles. There the Arghandab river is crossed; except from May to August the river is fordable by all arms, in these months boats are often required for two or three days at a time during floods—five or six boats are available each able to carry a field gun.</p> <p>After crossing Arghandab the country is, in parts, boggy and intersected with small-water-courses which would delay rate of marching of wheeled transport.</p> <p>Close to Sinjiri is a bridge of two arches over canal (30 ft. wide) would require strengthening for heavy traffic; plenty of wood obtainable for this work.</p> <p><i>Camp.</i>—Good ground for encampment.</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Supplies.</i>—Obtainable on notice from the district or from Kandahar.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Forage.</i>—Plentiful.</p> <p><i>Camel grazing</i>—Good.</p>	
2 Hoz-i-Madat.	14	26	Carts.	<p><i>Road.</i>—Across hard level plain, over which troops can move on a broad front.</p> <p><i>Camp.</i>—Good camping grounds.</p> <p>Also at Sang-Hissar 1½ miles south-west</p>	<p><i>Water.</i>—From canal plentiful.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p>Large herds of sheep are fed on plain, north of camp.</p> <p><i>Wood.</i>—Plentiful.</p> <p><i>Forage.</i>—Plentiful.</p> <p><i>Grazing.</i>—Good.</p>	
3. Kushk-i-Nakhud.	19	45	Carts.	<p><i>Road.</i>—No difficulty for carts.</p> <p><i>Camp.</i>—On right bank of river. There is also room to camp at Takia 16 miles.</p>	<p><i>Water.</i>—From <i>karez</i>s; good water and plentiful also obtainable at Takia (16 miles).</p> <p><i>Supplies.</i>—Said to be 6,000 maunds of grain stored in the Government granary here (?).</p> <p>At Takia (16 miles) supplies for 5,000 men. Also 1,000 camels obtainable(?)</p>	

Section B.

ROUTE No. 3—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
4. Khak-i-Chopran.	10	55	Carts.	<p><i>Road.</i>—For first $\frac{1}{2}$ mile rather cut up by irrigation streams and canals making road difficult for carts. Afterwards fairly easy.</p> <p><i>Camp.</i>—Ground for camp irregular but roomy. At $6\frac{1}{2}$ miles is the village of Mir Karez with water and space for encampment.</p>	<p><i>Water.</i>—Used to be sufficient for at least one Brigade of all arms from a <i>karez</i>, this fell in and ran dry but has probably been reopened, if not reopened a halt would have to be made at Mir Karez ($6\frac{1}{2}$ miles).</p> <p><i>Supplies.</i>—Nil. (?) There is a Government <i>sarai</i> here.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Forage.</i>—Plentiful.</p>	
5. Yakhchal ..	13	68	Carts.	<p><i>Road.</i>—Practicable for all arms throughout.</p> <p><i>Camp.</i>—Ground for encampment.</p>	<p><i>Water.</i>—From a canal from the Helmand.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Nil.</p> <p><i>Camel grazing.</i>—Nil.</p>	
6. Girishk ..	$8\frac{1}{2}$	$76\frac{1}{2}$	Carts.	<p><i>Road.</i>—Good up to the crossing of the Helmand at 7 miles. Here the banks of the river by the fords would have to be ramped for guns and wheeled transport. At end of May and beginning of June boats would have to be used, boats and ferry men are kept up here by the Government.</p> <p><i>Camp.</i>—Room for a division.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Government granary said to contain 25,000, to 30,000 <i>kharwars</i> of grain.</p> <p><i>Forage.</i>—Plentiful.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Camel grazing.</i>—Excellent.</p>	

Section B.

ROUTE No. 4.

FROM GIRISHK TO FARAH.

[Reference.—Routes in Afghanistan S.W., Route No. 1].

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Sadat Kala	16	16	Carts.	<i>Road.</i> —Passable for all arms with ease. <i>Camp.</i> —Ample for one division.	<i>Water.</i> —From a <i>karez</i> yielding 56,250 gallons per hour of good water. <i>No</i> intermediate water between Girishk and Sadat Kala. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Obtainable in fair quantities from the neighbourhood. <i>Forage.</i> —Scarce. <i>Camel grazing.</i> —Good.	<i>Note.</i> —Supplies at halting places do not exist or are very scarce. Supplies however for a division could be obtained from the surrounding districts on notice.
2. Bacha-i-Rabia.	8	24	Carts.	<i>Road.</i> —Passable for all arms with ease. <i>Camp.</i> —Suitable for a division.	<i>Water.</i> —From <i>karez</i> s probably sufficient for one division. Intermediate water at 3 and 4 miles from <i>karez</i> s yielding about 56,000 gallons per hour. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scarce. <i>Forage.</i> —Scarce. <i>Camel grazing.</i> —Good.	
3. Bibianak ..	10	34	Carts.	<i>Road.</i> —Passable for all arms with ease.* <i>Camp.</i> —Ample room for a division.	<i>Water.</i> —From a <i>karez</i> abundant for one division. <i>Supplies.</i> —Obtainable in small quantities, a large number of sheep and possibly 3,000 camels. <i>Fuel.</i> —Scarce. <i>Forage.</i> —Scarce. <i>Camel grazing.</i> —Good.	
4. Yaklang (Ek lang).	18	52	Carts.	<i>Road.</i> —Good and passable all arms up to 4th mile. In 1887 from 4th to 12th mile the road had fallen in to disrepair, but could easily be repaired. <i>Camp.</i> —No room for a camp owing to hills round and cultivation near village. Camp for one brigade a little distance away near the hills.	<i>Water.</i> —From <i>karez</i> s yielding 112,500 gallons per hour. <i>Intermediate water.</i> —Nil; <i>Supplies.</i> —Plentiful from surrounding country. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Scarce. <i>Camel grazing.</i> —Good.	

* *Note.*—There is a direct road from Bibianak to Washir not so good but could be used by troops if necessary. It is five miles shorter.

Section B.

ROUTE No. 4—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
5. Washir ..	8†	60	Carts.	<i>Road.</i> —A good road fit for field artillery. <i>Camp.</i> —Open ground suitable for camp of a division.	<i>Water.</i> —Good and plentiful from an open karez. <i>Supplies.</i> —Sufficient for 1,000 men for 6 months (say 12,000 men for a week) can be collected here.	Note†.—There is an alternative road from Washir to the Khash Rud about the same distance—difficult for wheeled transport at 10 miles, otherwise good.
6. Bar ..	15	75	Camels, Carts†	<i>Road.</i> —Good easy, fairly level. The <i>n / s</i> would require improving to allow carts and guns to cross easily. <i>Camp.</i> —Room for camps on either right or left bank of river, probably sufficient for one division.	<i>Water.</i> —Abundant from the Khash Rud which is here 30 yards or 40 yards in width and 2ft. deep. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Scarce. <i>Camel grazing.</i> —Good.	
7. Dilaram ..	8	83	Carts.	<i>Road.</i> —Fairly level and good. <i>Camp.</i> —For a division.	<i>Water.</i> —Abundant from the river. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Scarce.	
8. Karez-i-Ghararah.	18	101	Carts.	<i>Road.</i> —Good, level and hard going. <i>Camp.</i> —Ample for a division.	<i>Water.</i> —From a karez. Water can be obtained by sinking wells anywhere on this Dast-i-Bakwa plain. <i>Supplies.</i> —Nil. Could be brought in from country round in small quantities. <i>Fuel.</i> —Scanty. <i>Forage.</i> —Scanty. <i>Camel grazing.</i> —Good.	
9. Sultan Bukwa.	11	112	Carts.	<i>Road.</i> —Level and good. <i>Camp.</i> —Probably room for one division.	<i>Water.</i> —From a karez. <i>Supplies.</i> —Nil. Can be obtained from country round in fair quantity. Camels and sheep are also plentiful in district round. <i>Fuel.</i> —Nil. <i>Forage.</i> —Scarce. <i>Camel grazing.</i> —Good.	
10. Siah-ab ..	12	124	Carts.	<i>Road.</i> —Good, wide and hard going up to 10 miles then stony. <i>Camp.</i> —Probably room for a division.	<i>Water.</i> —Ample for one division. <i>Supplies.</i> Nil. <i>Fuel.</i> —A small quantity obtainable. <i>Forage.</i> —Good grazing for horses and mules. <i>Camel grazing.</i> —Good.	

*According to Map this stage is 3 miles longer and stage 6 correspondingly shorter.
Note.—There is a Government *serai* at Washir with a *bania* and provision store.

Section B.

ROUTE No. 4—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
11. Khurmalik	15	139	Carts.	<p><i>Road.</i>—Good except over a low <i>kotil</i> (400 ft. high) at 9 miles where for 1000 yards it would need repairs to make it practicable for carts.</p> <p><i>Camp.</i>—For a division.</p>	<p><i>Water.</i>—From <i>karez</i>s, ample for a division. No intermediate water on this stage.</p> <p><i>Supplies.</i>—For 1,500 men said to be obtainable. Sheep plentiful and about 1,500 camels available.</p> <p><i>Fuel.</i>—Nil.</p> <p><i>Forage.</i>—Fair grazing.</p> <p><i>Camel grazing.</i>—Good.</p>	
12. Khairabad	12½	151½	Carts.	<p><i>Road.</i>—Practicable for all arms and wheeled transport.</p> <p><i>Camp.</i>—On open plain probably ample room for a division.</p>	<p><i>Water.</i>—From a <i>karez</i>.</p> <p><i>Supplies.</i>—Said to be obtainable from village of Kahdanak (4 miles W) especially grain and fodder.</p> <p><i>Fuel.</i>—Nil.</p>	
13. Farah ..	10	161½	Carts.	<p><i>Road.</i>—Good ..</p> <p><i>Camp.</i>—Ample room ..</p>	<p><i>Water.</i>—Abundant from the river.</p> <p><i>Supplies.</i>—Available in large quantities. 40,000 maunds of grain. There are also supplies and water for 2,000 men at a village half-way between Khurmalik and Farah (Kahdanak?)</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Camels.</i>—20,000 procurable from the district.</p> <p><i>Forage.</i>—Plentiful.</p>	

Section B.

ROUTE No. 4-A.
FROM FARAH TO SABZAWAR.

[Reference.—Routes in Afghanistan S. W., Route No. 1.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Saj ..	11	11	Carts.	<i>Road.</i> —Broad and good, crosses Farah Rud by a ford nearly always practicable. <i>Camp</i> —No details.	<i>Water.</i> —From canal. <i>Supplies.</i> —Of all kinds procurable in abundance.	<i>Note.</i> —This is an excellent camel road and probably fit for wheeled transport with but little improving. A company of Pioneers marching a day ahead of the transport could probably make any necessary repairs.
2. Khushkawa or Kala-i-Surkh	13	24	Carts.	<i>Road.</i> —Is much cut up and intersected by irrigation channels which would delay wheeled transport. <i>Camp.</i> —No details.	<i>Water.</i> —From canal and wells. <i>Supplies.</i> —Not obtainable locally.	
3. Khosp. (2,730 feet.)	13	37	Carts.	<i>Road.</i> —Good going except from 10th to 11th mile where it is rather stony. <i>Camp.</i> —No details.	<i>Water.</i> —From a stream. <i>Supplies.</i> —Scarce. <i>Fuel.</i> —Obtainable from nala bed. <i>Grazing.</i> —Good.	
4. Jija (2,860 feet).	13	50	Carts.	<i>Road.</i> —Good going throughout. <i>Camp.</i> —By side of a water channel which comes from the river.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Scarce, procurable from villages round on notice sufficient for 6,000 men (?) <i>Fuel.</i> —Brushwood is abundant in river bed. <i>Grazing.</i> —Scanty.	
5. Kala Mashao.	17	67	Carts.	<i>Road.</i> —No difficulties. <i>Camp.</i> —Half a mile to a mile from road in the right at the nearest point of the river.	<i>Water.</i> —From open channel running through the Camp and from the river itself just below. <i>Supplies.</i> —Scanty. <i>Fuel.</i> —Obtainable from river bed.	
6. Sabzawar. (3,550 feet).	21	88	Carts.	<i>Road.</i> —Very cut up by irrigation channels and nearing the town of Sabzawar is almost impassable for wheeled transport. <i>Camp.</i> —This stage could be divided by camping at Sanaogan (13 miles) where there is a good camping ground for troops with plentiful water and supplies. The best camp at Sabzawar would be 2 miles to north-east of town where there is excellent pasturage.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Ample for any force. (The Amir has ordered a store of 20,000 maunds of grain to be kept stored here). <i>Grazing.</i> —Excellent.	
						<i>Note.</i> —Hence to Herat by main route cf. Girishk to Herat.

Section B.

ROUTE No. 5.

FROM GIRISHK TO HERAT.

[Reference.—Routes in Afghanistan S. W., Routes Nos. 1 and 5.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
5. Washir ..	..	60	Carts.	For route to Washir (five stages) cf. Route 4.	....
6. Chakao or Bara.	14	74	Carts.	<i>Road.</i> —Good .. <i>Camp.</i> —One mile east of river.	<i>Water.</i> —Ample from river, or <i>karez</i> at Chakao yielding 5,625 gallons per hour. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Forage.</i> —Very scanty. <i>Camel grazing,</i> good.	
7. Diwalak ..	11	85	Carts.	<i>Road.</i> —Crosses the Khash Rud which in spring is sometimes impassable for several days. <i>Camp.</i> —Good ground for encampment.	<i>Water.</i> —From a <i>karez</i> . <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scanty. <i>Forage.</i> —Scanty. <i>Camel grazing.</i> —Good.	
8. Ganimurgh	11½	96½	Camels, *Carts.*	<i>Road.</i> —Easy for camels but requires improvement to be made easy for carts. <i>Camp.</i> —Good ground for encampment.	<i>Water.</i> —From a <i>karez</i> probably enough for 1 brigade. <i>Supplies.</i> —Nil. <i>Fuel.</i> —scarce. <i>Forage.</i> —Generally no grass.	
9. Tut-i-Kasar man.	10	106½	Camels, *Carts.	<i>Road.</i> —Good camel road convertible to cart road. <i>Camp.</i> —Room probably for a brigade at least.	<i>Water.</i> —From a spring sufficient for a considerable force in July. <i>Supplies.</i> —A <i>bania</i> and Government <i>sarai</i> . <i>Fuel.</i> —Scanty. <i>Forage.</i> —Scanty (3)	
10 Lajward Karez.	13	119½	Camels, *Carts.	<i>Road.</i> —Accounts vary as to state of road, it is described as good and again as impracticable, it is probably a good camel road and could be made passable for wheeled transport by a company of Pioneers in two days. <i>Camp.</i> —Good camping ground.	<i>Water.</i> —Good and ample for a brigade from the <i>karez</i> . <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scanty. <i>Forage.</i> —Scanty. <i>Camel grazing.</i> —Good.	
11. Chakao ..	9	128½	Carts.	<i>Road.</i> —Over almost level country practicable for all arms. <i>Camp.</i> —Good camping ground.	<i>Water.</i> —From a spring. <i>Supplies.</i> —A <i>bania</i> and Government <i>sarai</i> . <i>Fuel.</i> —Procurable.	

Section B.

ROUTE No. 5—contd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
12. Nalak-i-Chaharband.	9	137½	Carts.	<i>Road.</i> —Presents no difficulty. <i>Camp.</i> —Good ground for encampment.	<i>Water.</i> —From a <i>karez</i> . <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scanty. <i>Forage.</i> —Scanty.	
13. Daolat-abad.	12	149½	Carts.	<i>Road.</i> —Over a level plain practicable for all arms. <i>Camp.</i> —On right bank of the river. If the river is impassable owing to floods a halt is made at the village of Uria one mile above Daulatabad. The ford over the river is a good one in autumn and winter months.	<i>Water.</i> —Ample from Farah Rud river. <i>Supplies.</i> —Procurable. <i>Fuel.</i> —Scanty. <i>Forage.</i> —A certain amount procurable.	
14. Ao Khurma.	18½	168	Carts.	<i>Road.</i> —No difficulty to transport. <i>Camp.</i> —The surrounding country is hilly and contains no villages or cultivation.	<i>Water.</i> —Scarce from bed of <i>nala</i> , might be increased by digging wells. <i>Supplies.</i> —A <i>bania</i> and Government <i>sarai</i> . <i>Fuel.</i> —Nil. <i>Forage.</i> —Scarce. <i>Camel grazing.</i> —Good.	
15. Chah-i-Jahan.	14½	182½	Carts.	<i>Road.</i> —Good. <i>Camp.</i> —No habitation or cultivation (?)	<i>Water.</i> —From a large well. By digging more wells supply might be made sufficient for a brigade. <i>Supplies.</i> —A <i>bania</i> and Government <i>sarai</i> . <i>Fuel.</i> —(?) <i>Forage.</i> —Grazing for horses plentiful. <i>Camel grazing.</i> —Good.	
16. Azizabad	20½	202½	Carts.	<i>Road.</i> —Presents no great difficulties. <i>Camp.</i> —Space for camp ample but ground at times marshy from water of numerous <i>karez</i> s.	<i>Water.</i> —Abundant from <i>karez</i> s. <i>Supplies.</i> —No details. <i>Fuel.</i> —Scarce. <i>Forage.</i> —Plentiful grazing for horses. <i>Camel grazing.</i> —Good.	
17. Ziarat Kwaja Uria.	14½	216½	Carts.	<i>Road.</i> —No difficulty. <i>Camp.</i> —Space for a brigade (?) on rolling ground ¼ mile beyond Ziarat.	<i>Water.</i> —From spring not sufficient for a large force. <i>Supplies.</i> —A <i>bania</i> and Government <i>sarai</i> . <i>Fuel.</i> —Small quantities.	

Section B.

ROUTE No. 5—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
18. Karawangah.	13	229½	Carts.	<p><i>Road.</i>—Fair. The rivers Adraskand and Rud-i-Gaz have to be crossed, the beds of which are full of boulders and would require clearing. When in flood the Rud-i-Gaz is said to be impassable.</p> <p><i>Camp.</i>—Probably no difficulty in finding camp for a brigade between Karawangah and the Rud-i-Gaz.</p>	<p><i>Water.</i>—A small karez and two springs in the nala bed not sufficient for a force of any size. Plenty in Rud-i-Gaz at 11 miles.</p> <p><i>Supplies.</i>—Nil, but could be collected on notice and brought from Sabzawar.</p> <p><i>Fuel.</i>—Plentiful.</p>	
19. Shahbed..	14	243½	Carts.	<p><i>Road.</i>—Would require a little repair in places for wheeled transport, especially about 8 miles.</p> <p><i>Camp.</i>—Confined and irregular. In the case of a large force, some of the troops might camp at Mir Ala (3 miles), a few at Shahbed and the rest push on to Mir Daud.</p>	<p><i>Water.</i>—Scarce in dry years (?) good and plentiful supply (1907).</p> <p><i>Supplies.</i>—Not to be relied on for operations. There is said now to be a <i>bania</i> and sarai here (1906).</p> <p><i>Fuel.</i>—Obtainable from the hills round.</p> <p><i>Forage.</i>—A certain amount obtainable.</p>	
20. Haoz-i-Mir Daud.	14	207½	Carts.	<p><i>Road.</i>—For first 6 miles hilly and bed would require repairing for wheeled transport.</p> <p><i>Camp.</i>—At 9½ miles at Robot-i-Mir Daud ample room for camping ground.</p> <p><i>Camp.</i>—At Haoz-i-Mir Daud (?).</p>	<p><i>Water.</i>—Small karez and poci.</p> <p>* <i>Supplies.</i>—Nil, would have to be collected and brought from Rozabagh.</p> <p><i>Fuel.</i>—(?)</p> <p><i>Forage.</i>—(?)</p>	* A <i>bania</i> is said to be established in the sarai with stores of provisions for travellers.
21. Herat ..	14	271½	Carts.	<p><i>Road.</i>—Good broad and easy throughout this stage; crosses several canals all strongly bridged.</p>		

Section B.

ROUTE No. 6.

FROM CHAKANSUR TO DILARAM *via* KHASH RUD.

[Reference.—Routes in Afghanistan S. W., Route No. 35.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Zinat-i-Khwaja.	22	22	Camels.	<i>Road.</i> —Good going and probably practicable for artillery but in absence of reliable information cannot be accurately described as passable for that arm. <i>Camp.</i> —No details.	<i>Water.</i> —From river except in summer, then from wells and pools or by digging. <i>Supplies.</i> —Not to be relied on. <i>Camel grazing.</i> —Good.	
2. Alili ..	18	40	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —As before. <i>Supplies.</i> —In very small quantities. <i>Camel grazing.</i> —Ample.	
3. Kala-i Khash.	12	52	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —From river pool said to never run dry. <i>Supplies.</i> —Very scarce. Sheep and goats obtainable in summer. <i>Camel grazing.</i> —Good.	
4. Garu ..	6	58	Camels.	<i>Road.</i> —As before, <i>Camp.</i> —No details.	<i>Water.</i> —As in stages 1 and 2. <i>Supplies.</i> —A small quantity obtainable. <i>Camel grazing.</i> —Good.	
5. Kisht ..	6	64	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —As above. <i>Supplies.</i> —Not to be relied on. <i>Camel grazing.</i> —Ample.	
6. Tabaksar .	22	86	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —As before. <i>Supplies.</i> —Nil. <i>Grass.</i> —Ample. <i>Camel grazing.</i> —Plentiful.	
7. Raki ..	14	100	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —As before. <i>Supplies.</i> —No details. <i>Camel grazing.</i> —Ample.	
8. Dilaram ..	20	120	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —Ample ground for encamping.	<i>Water.</i> —As before. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Pasturage.</i> —For camels, sheep and cows good.	

Section B.

ROUTE No. 7.

FROM HERAT TO KUSHK POST (MAIN ROUTE.)

[Reference.—Routes in Afghanistan N. W., Route No. 17.]

State.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Parwana ..	12	12	Carts.	<p><i>Road.</i>—Fair, passable for wheels with but slight difficulty.</p> <p><i>Camp.</i>—Good camping ground on both sides of stream when crops have been cut.</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Supplies.</i>—Say 1,500 maunds wheat 1,200 maund barley annually.</p> <p><i>Fuel.</i>—Nil.</p> <p><i>Grass.</i>—Scanty.</p> <p><i>Camel grazing.</i>—Good.</p>	
2. Kush Robat	13	25	Camels, Carts.	<p><i>Road.</i>—Good. At 10½ miles descent into Sar-i-Lar ravine would require 1 company Sappers for one day to make passable for wheels.</p> <p><i>Camp.</i>—Plenty of room for encampment.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Camel grazing.</i>—Abundant.</p>	
3. Robat-i-Sangi.	10	35	Camels, Carts.	<p><i>Road.</i>—Good camel road, requires improving at Sinjao ravine. 1 company Sappers in one day could make it passable for guns.</p> <p><i>Camp.</i>—Room for encampment.</p>	<p><i>Water.</i>—Fair.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Nil.</p> <p><i>Camel grazing.</i>—Probably obtainable.</p>	
4. Kamarak-i-Doki.	9	44	Camels, Carts.	<p><i>Road.</i>—Good and easy.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—Said to be some here always.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Camel grazing.</i>—Probably obtainable.</p>	
5. Sar-i-Chashma.	16	60	Camels, Carts.	<p><i>Road.</i>—Good and easy.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—No details.</p> <p><i>Supplies.</i>—No details.</p>	
6. Kara Tapa	10½	70½	Carts.	<p><i>Road.</i>—Practicable for wheeled transport.</p> <p><i>Camp.</i>—Ground fair.</p>	<p><i>Water.</i>—Good and abundant.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Abundant.</p> <p><i>Camel grazing.</i>—Abundant</p>	
7. Kushk Post	..	..	Carts.	<p><i>Road.</i>—As before.</p> <p><i>Camp.</i>—No details. The place is unhealthy to a degree.</p>	<p><i>Water.</i>—From springs.</p> <p><i>Supplies.</i>—Sufficient for operations against Herat are kept in store.</p>	

Section B.

ROUTE No. 7-A.

FROM HERAT TO KUSHK POST (AUXILIARY ROUTE).

[Reference.—Routes in Afghanistan N. W., Routes Nos. 10 and 25 (a).]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Robat-i-Surkh.	11	11	Carts.	<i>Road.</i> —Good, passable for all kinds of traffic. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all kinds abundant.	
2. Palezkar ..	10	21	Carts.	<i>Road.</i> —As before. <i>Camp.</i> —On open ground for large force.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Fair quantity.	
3. Khwaja Jir	7½	28½	Carts.	<i>Road.</i> —As before .. <i>Camp.</i> —For a large force.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Camel grazing.</i> —Good.	
4. Hazrat-i-Baba.	10½	39½	Camels.	<i>Road.</i> —Good for camels except steep and difficult ascent and descent for 1 mile over pass. <i>Camp.</i> —Not very good ground.	<i>Water.</i> —Plentiful. <i>Grass.</i> —Abundant in spring. <i>Supplies.</i> —Not to be relied on. <i>Camel grazing.</i> —Scarce. <i>Fuel</i> —From a distance.	
5. Kushk ..	13½	53½	Camels.	<i>Road.</i> —On the whole good, some blasting necessary to render fit for wheels. <i>Camp.</i> —Fairly good on plateau east of town.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Abundant (?) <i>Fuel.</i> —Scarce.	
6. Kush Asia	11½	64½	Camels, Carts.	<i>Road.</i> —Fair, could be made suitable for carts. <i>Camp.</i> —Ground for camping at ½ mile beyond the Fort.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Nil. <i>Grass.</i> —Obtainable.	
7. Sar-i-Chashma.	9	73½	Camels, Carts.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —No details. <i>Supplies.</i> —No details.	
8. Kara Tapa	10½	84½	Carts.	<i>Road.</i> —Practicable for wheeled transport with very slight improvement. <i>Camp.</i> —Fair.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Abundant.	
9. Kushk Post	14 (?)	98½	Carts.	<i>Road.</i> —As before. <i>Camp.</i> —No details. Extremely unhealthy place.	<i>Water.</i> —From springs. <i>Supplies.</i> —Of all kinds kept in store sufficient for operations against Herat. <i>Fuel.</i> —Nil.	

Section B.

ROUTE No. 8.

FROM DEH DOST MUHAMMAD (NEAR NASRATABAD) TO HERAT.

[Reference.—Routes in Afghanistan S. W., Routes Nos. 56 and 41.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Padai ..	7½	7½	Camels.	<i>Road.</i> —Fair, could be made passable for guns with a little work. This route could not be used in flood season from April to July. <i>Camp.</i> —No details.	<i>Water.</i> —From irrigation channels. <i>Supplies.</i> —Very small quantities.	
2. Dad-i-Dasht Buzi.	6½	14½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —From irrigation channels. <i>Supplies.</i> —Very small quantity.	
3. Juwain ..	27½	41½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Precarious, supply, can, however, be obtained by digging. <i>Supplies.</i> —Scarce. Some cattle and sheep. A small amount of pasturage.	
4. Panjdeh Kohna Karez.	8½	49½	Camels.	<i>Road.</i> —Good, passable for field artillery. <i>Camp.</i> —Good ground for encamping.	<i>Water.</i> —From spring, more could be obtained by digging in river bed. <i>Supplies.</i> —A certain amount of grain. Some sheep and cattle. <i>Fuel.</i> —Fairly plentiful. <i>Grass.</i> —Abundant. <i>Camel grazing.</i> —Fairly plentiful.	
5. Kushk Rud.	16	65½	Camel.	<i>Road.</i> —Fair, difficult and heavy going for artillery after rain. <i>Camp.</i> —Plenty of space for encampment.	<i>Water.</i> —Not very good. <i>Supplies.</i> —Scarce locally. <i>Fuel.</i> —Very scanty. <i>Camel grazing.</i> —Poor.	
6. Kin ..	12	77½	Camels.	<i>Road.</i> —Good, but in parts difficult for guns. <i>Camp.</i> —On level open plain, excellent.	<i>Water.</i> —Good and plentiful from a karez. <i>Grass.</i> —Fair. <i>Camel grazing.</i> —Good. <i>Fuel.</i> —Scanty.	
7. Iangar ..	12	89½	Camels.	<i>Road.</i> —Good but in latter part crosses several large open karezes which would check guns, cavalry and baggage trains. <i>Camp.</i> —Room to camp on open fields to south.	<i>Water.</i> —From a karez. <i>Fuel.</i> —Procurable. <i>Camel grazing.</i> —Procurable. <i>Supplies.</i> —Cultivation; so probably supplies of grain, etc. obtainable.	
8. Karezak ..	11	100½	Camels.	<i>Road.</i> —Good, passable for all arms. <i>Camp.</i> —No details. <i>Intermediate camp</i> with plenty of room at Geng, 7½ miles.	<i>Water.</i> —From karez. <i>Supplies.</i> —From Geng (3½ miles distant), plentiful. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Plentiful.	

Section B.

ROUTE No. 8—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
9. Kalata ..	14	114½	Camels.	Road—Heavy going after rain. Camp.—No details.	Water.—Scarce. Supplies.—Not to be relied on.	
10. Entrance to Anardara dfile.	13½	128½	Camels.	Road.—No difficulty. Camp.—No details. Intermediate camp at 6½ miles with good water and supplies.	Water.—From stream. Supplies.—Could be collected in fair quantity from Zakir and country round. Also fuel. Camel grazing.—Obtainable.	
11. Sangbur .	10	138½	Camels.	Road.—Good camel road. Camp.—Room for small force, a large force would have to divide between here, the two Askaks at 7½ and 8½ miles and at Kalantar.	Water.—Only for a small force. Supplies.—None locally except a little <i>bhusa</i> . Fuel.—Small quantity.	
12. Jamal Ghozi.	9½	148	Camels.	Road.—Good, passable all arms, rather stony in places. Camp.—Ground cramped for a large force.	Water.—Plentiful. Fuel.—Fairly plentiful. Camel grazing.—Good.	
13. Karez Dasht.	13	161	Camels.	Road.—Slightly stony but not bad. Camp.—Ample ground for encamping.	Water.—Ample for a large force. Supplies.—One locally procurable. Fuel and Camel grazing.—Scanty.	
14. Ziarat-i-Pir Chaksan.	15	176	Camels.	Road.—Good, passable all arms. Camp.—Excellent.	Water.—Plentiful. Fuel.—Scanty. Supplies.—Obtainable from Aokal villages.	
15. Sher Bakhsh.	17½	193½	Camels.	Road.—Good all the way Camp.—No details.	Water.—Saline but good. Would have to be augmented by digging wells and pits. Supplies.—No details. Fuel.—Plentiful. Camel grazing.—Good.	
16. Gandachah	9½	113	Camels.	Road.—Good. Camp.—Ample room on the plain. Good or even better camp would be at 5 miles.	Water.—Abundant by digging. Supplies.—Scarce. Fuel and camel grazing.—Obtainable.	
17. Gandalak Hollow.	15½	128½	Camels.	Road.—Good for camels; would require a little improving for guns. Camp.—Contracted.	Water.—Abundant by digging. Supplies.—Scarce. Fuel.—Scarce. Camel grazing.—Fairly good.	
18. Karez-i-Jamshedi.	7½	135½	Camels.	Road.—Good. Camp.—No details. Fair camping ground at Kaptari 6½ miles with water from karez.	Water.—From small karez and sheep pond. Country impregnated with salt. Supplies.—No details.	

Section B.

ROUTE No. 8—*concl'd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
19. Pahra ..	9½	145½	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —Plenty of space.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Abundant. <i>Camel grazing.</i> —Good except in mid-winter.	
20. Ziaratgah	11½	156½	Camels.	<i>Road.</i> —Good, stony in places. <i>Camp.</i> —Plenty of ground.	<i>Water.</i> —From canal plentiful. <i>Supplies.</i> —Probably obtainable.	
21. Herat (Kandahar Gate).	13	169½	Camels.	<i>Road.</i> —Good, passable all arms.		

Section B.

ROUTE No. 9.

FROM HERAT TO BALA MURGHAB.

[Reference.—Routes in A'ghanistan N. W., Route No. 19.]

Stage.	Mileage.		Road suitable for.	Camps.	Supplies.	REMARKS.
1. Robot-i-Surkh.	11	11	Carts.	<i>Road.</i> —Level and passable for all kinds of traffic.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all kinds abundant.	
2. Palezkar ..	10	21	Carts.	<i>Road.</i> —As before but less level. <i>Camp.</i> —For large force.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable.	
3. Khwaja Jir	7½	28½	Carts.	<i>Road.</i> —Good. <i>Camp.</i> —Good for a large force.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Not to be relied on. <i>Camel grazing.</i> —Good. <i>Fuel.</i> —Fair quantity.	
4. Hazrat-i-Baba,	10½	39½	Camels.	<i>Road.</i> —A fair camel road. <i>Camp.</i> —Not good ground for camping.	<i>Water.</i> —Plentiful from streams. <i>Grass.</i> —In spring. <i>Fuel.</i> —From the hills, none nearer. <i>Camel.</i> —Grazing poor.	
5. Kushk ..	13½	53½	Camels,	<i>Road.</i> —Good, would require blasting in places to make passable for guns. <i>Camp.</i> —Fairly good on plateau east of town.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Plentiful.	
6. Shor Araba Post.	11	64½	Camels.	<i>Road.</i> —Good. <i>Camp.</i> —No details.	<i>Water.</i> —Slightly brackish but drinkable, not very abundant, more could be got by digging. <i>Fuel.</i> —Nil. <i>Grass.</i> —In spring and summer.	
7. Kolari ..	(?) 13	(?) 77½	Camels.	<i>Road.</i> —Good. <i>Camp.</i> —Good.	<i>Water.</i> —Abundant by digging. <i>Fuel.</i> —Abundant.	
8. Babulai ..	(?) 16	(?) 93½	Camels.	<i>Road.</i> —Good. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Nil, a few sheep and cattle.	
9. Khak-i-Daulat Beg.	12	105½ (?)	Camels.	<i>Road.</i> —Good. <i>Camp.</i> —No details.	<i>Water.</i> —From river. <i>Supplies.</i> —Nil.	
10 Mangan ..	8½	113½ (?)	Camels.	<i>Road.</i> —Good. <i>Camp.</i> —For 3,000 men.	<i>Water.</i> —Good. <i>Supplies.</i> —Scarce. <i>Fuel.</i> —Obtainable. <i>Grazing.</i> —Good.	
11. Bala Murghab.	20½	134½ (?)	Camels.	<i>Road.</i> —Excellent, passable all arms. <i>Camp.</i> —Good.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Plentiful; also cattle, sheep and camels. <i>Fuel.</i> —Very scarce.	

ROUTE No. 9-A.

FROM BALA MURGHAB TO MAIMANA.

[Reference.—Routes in Afghanistan N. W., Route No. 19.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Robat-i-Bokan.	12	12	Camels.	<i>Road.</i> —On the whole good and could be easily made practicable for guns. A difficult ford at 8½ miles in wet weather. <i>Camp.</i> —Ample and good ground for encampment.	<i>Water.</i> —From Bokan river muddy and not good except in the spring time or after rain. <i>Supplies.</i> —Nil.	
2. Kala Wali Fort.	13½	25½	Camels.	<i>Road.</i> —Always practicable for camels, could be made passable for artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Nil. <i>Grass.</i> —Abundant.	
3. Chahar Shamba.	15	40½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —On right bank of stream; no details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Not to be relied on.	
4. Sangalak-i-Kaisar.	16½	56½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details. There is room to with camp water at 13½ miles.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Nil.	
5. Dash-i-Almar (2,470')	16½	73	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Procurable in small quantity; grain plentiful.	
6. Maimana (2,860').	17	90	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details, but there is open ground round the town on which a large force could encamp.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Of all kinds abundant.	

Note.—It is not likely that this route could be used by any large body of troops owing to physical obstacles and the scarcity of supplies.

Section B.

ROUTE No. 9-B.

FROM MAIMANA TO SAR-I-PUL.

[Reference.—Routes in Afghanistan N. W., Route No. 19.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Katakala (2,925').	14½	14½	Camels.	<i>Road.</i> —Good for camels but would require improving in places for passage of field artillery. <i>Camp.</i> —¾ mile west of village; no details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Very scarce.	
2. Ak Bulak*	16(?)	30½(?)	Camels.	<i>Road.</i> —As before but not so good. <i>Camp.</i> —No good camping ground.	<i>Water.</i> —Scarce, enough for ½ battalion. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Abundant.	
3. Darzab ..	7	37½(?)	Camels	<i>Road.</i> —Two tracks in this stage, the lower and longer is the better and could easily be made passable for guns, the other is fit for camels but more difficult. <i>Camp.</i> —Not much ground for encampment.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —In small quantities only.	
4. Kara Khan wal.	26	63½(?)	Camels.	<i>Road.</i> —Good but stony and in places impracticable for guns. <i>Camp.</i> No details.	<i>Water.</i> —Becomes very scanty in summer. <i>Supplies.</i> —Nil.	
5. Nasim Kwaja	16	79½(?)	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —Good camping ground. <i>Intermediate camp.</i> —At 10 miles, but no water in summer.	<i>Water.</i> —Supply scanty. <i>Supplies.</i> —Nil. <i>Grass.</i> —Probably plentiful.	
6. Sar-i-Pul ..	12	91½(?)	Camels.	<i>Road.</i> —Good and passable for field artillery. <i>Camp.</i> —On open plain on west side of valley.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —For 15,000 men for one week (?).	

* Note.—The mileage in this stage is doubtful.

Section B.

ROUTE No. 9-C.

FROM SAR-I-PUL TO MAZAR-I-SHARIF *via* NORTH ROUTE.

[Reference.—Routes in Afghanistan N.-W., Route No. 67.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Ziarat Hazrat Imam.	16	16	Camels.	<i>Road.</i> —Good and passable for artillery. <i>Camp.</i> —Between two streams but the streams are not easy to cross and banks could have to be ramped for troops to cross.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Are said to be easily procurable along the road. <i>Fuel.</i> —Scarce. <i>Grass.</i> —Plentiful.	
2. Alti Khwaja (1,300').	18	34	Camels.	<i>Road.</i> —Good all the way but liable to floods in wet weather. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant but muddy. <i>Supplies.</i> —Probably procurable in small quantities. <i>Grass and Fuel.</i> —Plentiful.	
3. Moghal ..	23	57	Camels.	<i>Road.</i> —Easy and good going throughout but heavy in wet weather in places. <i>Camp.</i> —For an infantry or cavalry brigade.	<i>Water.</i> —For an infantry brigade on the head springs of the stream or a cavalry brigade from lower down stream and from tanks with a day's notice for filling. <i>Supplies.</i> —Nil. <i>Fuel and Grass.</i> —Nil.	
4. Imam Sahib (1,010').	19½	76½	Camels.	<i>Road.</i> —There are two tracks from Moghal to Imam Sahib, both fit for camel transport. The outh route has the better water. <i>Camp.</i> —Good camping ground.	<i>Water.</i> —From large tank fed by the Jui Chuntal, water is not plentiful however and not very good. <i>Supplies.</i> —Not to be relied on. <i>Grass.</i> —Nil.	
5. Yang Kala	15	91½	Camels.	<i>Road.</i> —Good and for the most of this stage troops could move on a broad front. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Probably procurable.	
6. Tohkti ..	12	103½	Camels.	<i>Road.</i> —Excellent throughout, passable all arms. <i>Camp.</i> —Good camping ground south of village and north of Mazar road.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —No details.	
7. Mazar-i-Sharif.	11	114½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —Ample ground.	<i>Water.</i> —Plentiful from Shahi canal. <i>Supplies.</i> —For 7,000 men said to be kept in stock	

Note.—Alternative Route from Shibarghan in stage 2 to Mazar. It is difficult for artillery and would require improvement. It is, however, usually preferred to the above route as water is more plentiful on it. The stages from Shibarghan are as follows:—

Chikohi ..	14	Camels.
Akcha ..	16	"
Nimlik ..	17	"
Chaharbolak ..	14½	"
Balk ..	16	"
Mazar-i-Sharif	14	"

91½ ..

Section B.

ROUTE No. 10.

FROM HERAT TO ZULFIKAR *via* SANG KOTAL AND KIZIL BULAK.

[Reference.—Routes in Afghanistan N. W., Route No. 11.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Parwana ..	12	12	Camels.	<i>Road.</i> —Passable for guns. <i>Camp.</i> —Good ground on both sides of the stream.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Obtainable. <i>Fuel.</i> —Nil. <i>Grass.</i> —Scanty. <i>Camel grazing.</i> —Plentiful.	
2. Kala Mamber Bashi.	12	24	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —good, suitable for large force.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Obtainable. <i>Fuel.</i> —Scarce. <i>Grass and camel grazing.</i> —Plentiful.	
3. Sang Kotal	17½	41½	Camels.	<i>Road.</i> —Difficult descent from Sang Kotal, could be made fit for guns in 3 days by 100 men. <i>Camp.</i> —For a large force	<i>Water.</i> —Abundant. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Nil. <i>Grass.</i> —Abundant.	
4. Karabagh	13	54½	Camels.	<i>Road.</i> —Passable for all arms. <i>Camp.</i> —Good in broad ravine but commanded.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Nil. <i>Grass.</i> —Abundant in spring and summer. <i>Camel grazing.</i> —Scanty.	
5. Gulran ..	14	68½	Camels.	<i>Road.</i> —Easy, passable all arms. <i>Camp.</i> —At junction of two, streams, no details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Nil.	
6. Kizil Bulak	21	89½	Camels.	<i>Road.</i> —As before <i>Camp.</i> —No details ..	<i>Water.</i> —Sufficient only for 2 squadrons at a time. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Scarce.	
7. Karez Elias	14	103½	Camels.	<i>Road.</i> —As before. <i>Camping ground.</i> —Good.	<i>Water.</i> —About 40 gallons a minute. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scarce.	
8. Zulfikar ..	12½	106	Camels.	<i>Road.</i> —Good, passable all arms except at 8½ miles where it has been washed away by river. <i>Camp.</i> —On alluvial plain of the Rud.	<i>Water.</i> —From river. Towards the end of the hot weather this is said to dry up or become so salt as to be undrinkable in which case camp must be 3 or 12 miles further, <i>vide</i> opposite page on where there is a stream of sweet water. <i>Supplies.</i> —Very scarce.	

Section B.

ROUTE No. 10-A.

FROM HERAT TO ZULFIKAR (RIVER ROUTE.)

[Reference.—Routes in Afghanistan N. W., Route No. 5.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Yadgar ..	14	14	Camels.	<i>Road.</i> —Good, practicable for artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Good, and plentiful. <i>Fuel and camel grazing.</i> —Obtainable. <i>Supplies.</i> —In large quantities on notice.	
2. Aoghu ..	15	29	Camels.	<i>Road.</i> —Practicable for all arms in ordinary weather. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies</i> should be obtainable in large quantities on notice.	
3. Rozanuk ..	12½	41½	Camels.	<i>Road.</i> —Excellent. <i>Camp.</i> —Best camping ground is close to the road.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable from villages along the the river. <i>Fuel.</i> —Scarce. <i>Camel grazing.</i> —Good.	
4. Shabash ..	8½	50	Camels.	<i>Road.</i> —Good. <i>Camp.</i> —On left of road beyond village, no details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Small quantities only. <i>Fuel.</i> —Abundant.	
5. Kuhsan ..	19	69	Camels.	<i>Road.</i> —Requires improving for guns. <i>Camp.</i> —On gravelly plain to north.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Small quantities procurable. <i>Camel grazing.</i> —Good.	
6. Kala Bunyad Khan.	18	87	Camels.	<i>Road.</i> —Good and level but liable to become very heavy in wet weather. <i>Camp.</i> —For large force on clay slope.	<i>Water.</i> —From river. <i>Supplies.</i> —Not to be relied on. <i>Fuel and Camel grazing.</i> —Abundant. <i>Grass.</i> —Good.	
7. Kaman-i-Bisht.	16½	103½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —On river bank good and suitable for large force.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Not to be relied on. <i>Fuel and grazing for camels.</i> —Abundant.	
8. Karez Elias.	23	128½	Camels.	<i>Road.</i> —Over the Nihalsheni Pass. Only practicable for lightly laden camels, could be made passable for guns in 4 days by 200 men. <i>Camp.</i> —Fair for large force.	<i>Water.</i> —About 400 gallons per hour. <i>Supplies.</i> —No details. <i>Fuel.</i> —Fair quantity.	
9. Zulfiakar ..	12½	141	Camels	<i>Road.</i> —Good and easy for all arms except at 8½ miles where it has been washed away by the river. <i>Camp.</i> —On alluvial plain of the Rud.	<i>Water.</i> —From the river. Toward end of hot weather is said to dry up or become so salt as be undrinkable.* <i>Supplies.</i> —Very scarce.	

*Note.—In this case camp would have to be either 3 or 12 miles further on where there is a good stream of sweet water.

Section B.

ROUTE No. 10-B.

FROM ZULFIKAR TO SARAKHS *via* PUL-I-KHATUN.

[Reference.—Military Report on Russian Turkistan, pages 105-6,—Routes (vi) a and (xii), Herat Line of Advance.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Zurabad (2,250').	13	13	Camels.	<i>Road.</i> —Suitable for camels and field artillery, easily convertible to a cart road.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Nil. <i>Fuel, and Forage.</i> —Obtainable.	
2. Kaleh Kiran	14	27	Camels.	<i>Road.</i> —As before.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Not to be relied on.	
3. Pul-i-Khatun.	20	47	Camels.	<i>Road.</i> —As before but rather more difficult for guns owing to steep descent from Pass. At 5 miles the road from Meshed to Pul-i-Khatun joins in, it is only a track.	<i>Water.</i> —Ample. <i>Supplies.</i> —For a cavalry regiment or battalion with transport on 2 or 3 days' notice. <i>Fuel.</i> —Plentiful. <i>Grazing.</i> —Abundant.	
4. Shir Tappeh	12	59	Carts.	<i>Road.</i> —Unmet a l l e d, passable for all arms.	<i>Water.</i> —Abundant. <i>Supplies.</i> —For a cavalry regiment or for a brigade on 2 or 3 day's notice in a good season. <i>Fuel.</i> —Obtainable. <i>Grazing.</i> —Abundant.	
5. Nauruzabad	14	73	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —For a brigade on notice. <i>Grazing.</i> —Both for camels and horses good	
6. Sarakhs ..	20	93	Carts.	<i>Road.</i> —As before.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —For a brigade on notice. <i>Forage.</i> —Plentiful.	

Section B.

ROUTE No. 10-C.

FROM TEJEND TO SARAKHS.

[Reference.—Military Report on Russian Turkistan, page 106, Route (x) Herat Line of Advance.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kari Band	20	20	No detailed information regarding separate stages. An unmetalled post road suitable for wheeled transport. The road runs up the right bank of the Hari Rud. In March 1907 the road was impassable owing to rain and snow. Water-supply throughout is good from December to June from the river which then dries up and water is obtained from wells sunk in river bed. No supplies procurable except fuel and grazing.			
2. Poreprava	20 $\frac{3}{4}$	40 $\frac{3}{4}$				
3. Kanshut	23	63 $\frac{3}{4}$				
4. Sarakhs	18 $\frac{3}{4}$	82				

Section B.

ROUTE No. 10-D.

FROM MERV TO SARAKHS.

[Reference.—Military Report on Russian Turkistan, page 106, Route (xi) Herat Line of Advance.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Tash Robat	24 $\frac{1}{2}$	24 $\frac{1}{2}$	A desert route but practicable for field artillery and wheeled transport. The water-supply is bad from the last canal near Merv to Koshut, 73 miles, there is no water fit for men to drink though water for camels and horses is obtainable at stages 2 and 3. A Persian force of 12,000 infantry marched by this road in 1860, the wells which were dug by the force are now dry. No supplies. Fuel and grazing obtainable in stage 5 only.			
2. Wells of Shigitli.	11 $\frac{1}{2}$	36 $\frac{1}{2}$				
3. Shor Kala	18 $\frac{1}{2}$	55				
4. Koshut	32	87				
5. Sarakhs	10	97				

Section B.

ROUTE NO. 10-E.

FROM SARAKHS TO KUSHK POST *via* AK ROBAT.

[Reference.—Military Report on Russian Turkistan, page 106, Route (xii) Herat Line of Advance.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
Intermediate stages not given.	Ak-Robat.	87	87	Camels Carts.	Road.—Good passable for field artillery. Camps.—No details.	Supplies.—Nil. *Water.—Good at Ak Robat.
	Kushk Post.	45	132	Camels ..	Road.—Passable for field artillery and wheeled transport.	Supplies.—Nil on road. Water supply.—Bad along road. Grazing.—Good.

* First 24 miles of stage water abundant, scanty thereafter till Ak Robat.

Sections B. & A.

ROUTE No. 11.

FROM HERAT TO MESHED.

[Reference—Routes in Afghanistan N. W., Route No. 1 and Routes in Persia, Volume 1, Routes Nos. 42 and 29.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kala-Yadgar.	14½	14½	Camels, Carts.	<i>Road.</i> —Has been traversed by light 4 wheeled carriages, could probably be made easily fit throughout for carts. <i>Camp.</i> —It is not necessary to halt here since a good camping ground with water can be got almost any where along this stage.	<i>Water.</i> —Abundant .. <i>Supplies.</i> —Procurable in large quantities from the neighbourhood.	<i>Note.</i> —This route is easily fit for Field Artillery.
2. Zindajan	12	27½	Camels, Carts.	<i>Road.</i> —Crosses Karobar nala at 2½ miles and Hari Rud at 4½ miles and 13 miles, fords easy except in floods which may make them impassable for two or three days. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable.	
3. Ghorian ..	14	41½	Camels, Carts.	<i>Road.</i> —Excellent for all arms. <i>Camp.</i> —Good; anywhere along south of edge Ghorian.	<i>Water.</i> —From canal. <i>Supplies.</i> —Procurable. Annual produce of grain said to be between 3,000 and 4,000 <i>kharwars</i> . <i>Grass.</i> — <i>Nil</i> .	
4. Edge of Ghorian cultivation.	11	52½	Camels, Carts.	<i>Road.</i> —Good, passable for guns. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Probably procurable.	
5. Tirpul ..	13	65½	Camels, Carts.	<i>Road.</i> —Easy for camels; the soil is light and cart road could probably be easily made where required. <i>Camp.</i> —Troops could camp anywhere along the road from six miles to Tirpul.	<i>Water.</i> —Abundant. <i>Supplies.</i> —No details. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Good.	
6. Kafir Kala.	11½	76½	Carts.	<i>Road.</i> —Excellent except at 9½ miles where though practicable it is difficult for wheeled transport. <i>Camp.</i> —Unlimited ground round the Robat, which would itself accommodate two companies infantry and 40 cavalry.	<i>Water.</i> —From five good wells. <i>Supplies.</i> — <i>Nil</i> ; are obtained from Kuhsan.	
7. Karez (3,300 ft.)	17	93½	Carts.	<i>Road.</i> —Passable for wheeled transport.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Scarce, sufficient for brigade, could be collected from villages round. <i>Fodder.</i> —Good. <i>Camel grazing.</i> —Good.	

ROUTE No. 11—contd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
8. Meshed-i-Riza.	18	111½	Carts.	<i>Road.</i> —Easy in dry weather but would cut up easily and be very difficult in rains. <i>Camp.</i> —No details.	<i>Water.</i> —Good and plentiful supply. <i>Supplies.</i> —Procurable in limited quantities. <i>Grazing.</i> —Poor.	
9. Shahr-i-Nao	19	130½	Camels, Carts.	<i>Road.</i> —Over undulating plain; quite passible for wheeled transport. <i>Camp.</i> —No details ..	<i>Water.</i> —Abundant. <i>Supplies.</i> —R a t h e r scarce. <i>Fodder and grazing.</i> —Good.	
10. Himatabad	15	145½	Camels, Carts (?).	<i>Road.</i> —Easy for camels and probably passable for wheeled transport in dry weather. <i>Camp.</i> —No details ..	<i>Water.</i> —Good and plentiful from stream. <i>Supplies.</i> —Scarce. <i>Grazing.</i> —Good.	
11. Shahan-i-Bala.	12	157½	Camels.	<i>Road.</i> —Good going throughout except in heavy rains. <i>Camp.</i> —No details.	<i>Water.</i> —Good from spring and karez. <i>Supplies.</i> —Scarce. <i>Grazing.</i> —Good.	
12. Gudusha.	24	181½	Camels.	<i>Road.</i> —A long stage over the Kalleh Minar, which would require a few hours' work to make it passable for field artillery. Camels take 12 hours, mules 8 hours over this stage. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Supplies.</i> —Scarce. <i>Grazing.</i> —Good.	
13. Hawas ..	9	190½	Camels.	<i>Road.</i> —Good going the whole way. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Supplies.</i> —Plentiful. <i>Grazing.</i> —Good.	
14. Maragheh.	17	207½	Camels.	<i>Road.</i> —No difficulties. <i>Camp.</i> —No details.	<i>Water.</i> —Good from a spring. <i>Supplies.</i> —Scarce. <i>Grazing.</i> —Good.	
15. Baz-i-Hauz-i-Bala.	15	222½	Camels.	<i>Road.</i> —Two roads from Maragheh. The upper one runs through the hills and is said to be difficult for baggage animals. The other is through more open and level country and passable for camels. <i>Camp.</i> —By the road side on banks of Baz-i-Hauz canal and some distance below village.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Scarce. The annual supply of wheat and barley being estimated at 1,300 maunds. <i>Grazing.</i> —Good. <i>Fuel.</i> —Scarce.	

ROUTE No. 11—concl.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
16. Turuq .. (2,860 feet).	12	234½	Camels.	<p><i>Road.</i>—Over a series of low ridges, no difficulties.</p> <p><i>Camp.</i>—On roadside by the <i>caravanserai</i> some distance from village.</p>	<p><i>Water.</i>—Good supply.</p> <p><i>Supplies.</i>—Procurable. 16,000 maunds (Indian) corn are sown here annually.</p> <p><i>Grazing.</i>—Good.</p> <p><i>Fuel.</i>—Scarce.</p>	
17. Meshed ..	6½	241	Camels, and Carts,	<p><i>Road.</i>—A wide level road fit for wheeled transport but rarely repaired and hence difficult for carts in wet weather.</p> <p><i>Camp.</i>—No details ..</p>	<p><i>Water.</i>—From wells and canal, generally muddy and unwholesome but sufficient for needs of town.</p> <p><i>Supplies.</i>—Grain and fodder obtainable but not in any very great quantity—other supplies in fair quantity.</p> <p><i>Grazing.</i>—Good.</p> <p><i>Fuel.</i>—Very limited; supply brought in from the hills, sufficient, however, for needs of the town.</p>	

Sections B. & A.

ROUTE No. 11-A.

FROM HERAT TO MESHED *via* TURBAT-I-SHAIKH-JAM.

[Reference.—P. 49-Conf.—Routes in Persia, Volume 1, Route No. 1].

Stage.	Mileage	Road suitable for	Camps.	Supplies.	REMARKS.
7. Karez ..	93½	For Stages 1-7 of this route <i>Cf.</i> Route No. 11.		
8. Abbasabad	15 108½	Camels.	<i>Road.</i> —Good except after rain when it is very heavy going. <i>Camp.</i> —No details ..	<i>Water.</i> —Good and ample from canal. <i>Supplies.</i> —Only in very small quantities. 11,000 maunds actually of wheat and barley. <i>Fuel.</i> —Nil. <i>Grazing.</i> —Good (October).	NOTE.—There would be but little difficulty in constructing a cart road from here to Meshed, although after rains the road would be very heavy.
9. Turbat-i-Shaikh-Jam.	20 128½	Camels.	<i>Road.</i> —Good over sandy plain. <i>Camp.</i> —No details.	<i>Water.</i> —Ample supply. No water on route. <i>Supplies.</i> —Of all sorts obtainable. The annual production of wheat and barley amounts to 18,000 and 4,500 Indian maunds respectively. <i>Grazing.</i> —For camels poor. <i>Lucerne and fodder for horses.</i> —Procurable.	
10 Langar ..	15 143½	Camels.	<i>Road.</i> —Good .. <i>Camp.</i> —No details.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Procurable. About 5,400 Indian maunds of wheat and barley grown annually. <i>Fuel.</i> —Scarce. <i>Grazing.</i> —Good.	
11. Kariz-i-Nao.	19 162½	Camels.	<i>Road.</i> —Ordinarily good but very bad after rain or snow, being of clay. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Scanty. 2,380 Indian maunds of wheat and Barley annually. <i>Fuel.</i> —Scarce. <i>Camel grazing.</i> —Good and plentiful.	
12. Fariman ..	26 188½	Camels.	<i>Road.</i> —Very good .. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Water en route.</i> —Scarce. <i>Supplies.</i> —Ample. 28,000 maunds wheat and barley annually. <i>Forage.</i> —Excellent pasture land.	

ROUTE No. 11-A—*contd.*

Stage.	Milcago.		Road suitable for	Camps.	Supplies.	REMARKS.
13. Bakirabad	20	208½	Camels.	<p><i>Road.</i>—Good; would require slight improvement if used for wheeled transport.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—From a <i>karcz</i>.</p> <p><i>Supplies.</i>—Several villages on this stage could produce supplies for a brigade for some days.</p>	
14. Turuq ..	19	227½	Camels.	<p><i>Road.</i>—Good ..</p> <p><i>Camp.</i>—On the road side by the <i>caravanserai</i> some distance from village.</p>	<p><i>Water.</i>—Good water supply; good water <i>en route</i>.</p> <p><i>Supplies.</i>—Procurable. 16,000 maunds of corn are sown here annually.</p> <p><i>Fuel.</i>—Scarce.</p> <p><i>Grazing.</i>—Good.</p>	
15. Meshed ..	6½	234	Carts	<p><i>Road.</i>—A wide level road fit for wheeled transport but seldom repaired and hence difficult for carts in wet weather.</p> <p><i>Camp.</i>—No details ..</p>		

Section B.

ROUTE No. 11-B.

FROM HERAT TO MESHED *via* PUL-I-KHATUN AND ZULFIKAR.

[Reference.—P. Con. 49, Routes in Persia, Volume I. Routes Nos. 67-68.]

Stage.	Mileage.		Road suitable for	Description of roads and camps.	Supplies.	REMARKS.
1. Gazgun ..	15	15	Camels, Carts.	<i>Road.</i> —Passable for all arms though rough, at 15 miles cross to left bank of Kashaf Rud. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Sufficient for one native cavalry regiment with transport.	Kashaf Rud difficult to cross except at recognized fords. Gazgun bridge passable for all arms.
2. Nauzari ..	11	26	Camels, Carts.	<i>Road.</i> —Well defined, unmetalled but good, firm earth. No gradients. <i>Camp.</i> —No details.	As above.	
3. Mirza Jan	15	41	Camels, Carts.	<i>Road.</i> —Passable a ll arms though rough. <i>Camp.</i> —Between village and river, suitable for brigade.	As above in addition to river, excellent springs near camp.	..
4. Sarsari ..	13	54	Camels, Carts.	<i>Road.</i> —Good, passable all arms. <i>Camp.</i> —No details ..	<i>Water.</i> —Salty but drinkable. <i>Supplies</i> scanty. For one native cavalry regiment with transport. <i>Grazing.</i> —Good.	As country becomes less inhabited, grazing and supply of fuel increases, but cultivation and hence supplies decrease.
5. Ak Durband	21	75	Camels, Carts only when river is low.	<i>Road.</i> —Good, but only passable for camels if river is high. <i>Camp.</i> —For brigade on bank of river.	<i>Water.</i> —Abundant, many springs. <i>Supplies.</i> —For one Regiment. <i>Grazing.</i> —Good.	Strong defensive position near camp, with easy retreat along Kashaf Rud.
6. Sadrabad (Pul-i-Khatun)	23	98	Camels, Carts.	<i>Road.</i> —Passable for field artillery, though occasional improvement necessary. <i>Camp.</i> —For division on bank of river.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —For one brigade. <i>Fuel.</i> —Plentiful. <i>Water.</i> —Abundant.	Pul-i-Khatun is a bridge over the Hari Rud passable for all arms.
7. Koleh Kirau	20	118	Camels, Carts.	<i>Road.</i> —As above .. <i>Camp.</i> —No details.	<i>Supplies.</i> —Very scarce.	
8. Zursbad ..	14	132	Camels, Carts.	<i>Road.</i> —Suitable for field artillery. <i>Camp.</i> —No details ..	<i>Water.</i> —Abundant. <i>Supplies.</i> —For one native cavalry regiment. <i>Grazing.</i> —Good.	Zurabad plain, great capabilities of furnishing wheat, barley, etc., in abundance if properly cultivated.
9. Zulfiakar ..	13	145	Camels, Carts.	<i>Road.</i> —Good, suitable for field artillery.	<i>Water.</i> —Abundant owing to hill streams but river very low here. <i>Supplies.</i> —For one brigade.	Zulfiakar is at junction of Afghan Persian and Russian boundaries.
10. } Zulfiakar	} 106	251	Vid ..	Sangkotal	Cf. Route No. 10.	
18. } Herat				Alternative Route.		
10. } Zulfiakar	} 141	286	Vid ..	River Route	Cf. Route No. 10-A.	
19. } Herat						

Section B.

ROUTE No. 12.

FROM MAIMANA TO KILIF.

[Reference.—Routes in Afghanistan N. W., Route No. 75.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Subagh (2,300').	16½	16½	Camels.	<i>Road.</i> —A good road easily convertible into good cart road, requires preparation for guns in its present state at the various <i>Kotals</i> . <i>Camp.</i> —For a large force on open terrace over the river.	<i>Water.</i> —Abundant. <i>Fuel.</i> —Abundant. <i>Supplies.</i> —In fair quantities. The district round is rich in cultivation and should provide abundant supplies on notice.	
2. Khairabad (1,400').	20	36½	Camels.	<i>Road.</i> —A good camel road easily made practicable for carts and guns. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Probably plentiful on notice from the rich surrounding district. <i>Fuel.</i> —Obtainable.	
3. Robat Aodan	19½	56	Camels.	<i>Road.</i> —As before .. <i>Camp.</i> —No details.	<i>Water.</i> —Indifferent from tanks and ponds built to catch and store snow or rain water. <i>Supplies.</i> —Not to be relied on.	
4. Shibarghan (1,275')	25½	81½	Camels.	<i>Road.</i> —No difficulty and passable all arms. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —In large quantities on notice. <i>Fuel.</i> —Abundant.	
5. Chikchi ..	16	97½	}	for these stages c.f. route	No. 12-A from Sar-i-Pul to Kilif.	
6. Akcha ..	14	111½				
7. Chillik ..	12½	124				
8. Kilif ..	18	142				

Section B.

ROUTE No. 12-A.

FROM SAR-I-PUL TO KILIF.

[Reference.—Routes in Afghanistan N.W., Routes Nos. 67-75.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Ziarat Hazrat Imam.	16	16	Camels.	<i>Road.</i> —Good, passable guns. <i>Camp.</i> —Between two for streams, but the streams are not easy to cross and banks would have to be ramped for troops to cross.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Said to be easily procurable along road. <i>Fuel.</i> —Scarce. <i>Grass.</i> —Plentiful.	
2. Alti Khwaja (1,300').	18	34	Camels.	<i>Road.</i> —Good throughout but liable to floods in wet weather. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant but muddy. <i>Supplies.</i> —Probably procurable in small quantities. <i>Grass and Fuel.</i> —Plentiful.	
3. Chikchi (1,010')	20	54	Camels.	<i>Road.</i> —Good, passable all arms. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —In small quantities and not to be relied on. <i>Fuel.</i> —Obtainable.	
4. Akcha .. (1,000').	14	68	Camels.	<i>Road.</i> —As before .. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all sorts abundant. <i>Fuel.</i> —Plentiful.	
5. Chillik .. (700').	12½	80½	Camels.	<i>Road.</i> —Crosses a swamp at 6 miles which would delay transport and require improvement to make passable for guns. <i>Camp.</i> —Ample ground for large force to encamp.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Obtainable in small quantity only.	
6. Kilif ..	18	98½	Camels.	<i>Road.</i> —Good for camels but heavy going for guns owing to sand up to 11 miles. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable.	

Section B & C.

ROUTE No. 12-B.

FARAB (opposite CHARJUI) TO TERMEZ (via RIGHT BANK OF OXUS).

[Reference.—Military Report on Russian Turkistan, pages 108-9, Routes (i) and (iii) Kabul Line of Advance.]

Stage.	Mileage.		Road suitable for	Description of roads and camps.	Supplies.	REMARKS.
(No details regarding intermediate stages)						
Burdalik ..	65½	65½	Camels, Carts.	<i>Road.</i> —Unmetalled but suitable for wheeled traffic. <i>Camps.</i> —No details.	No details <i>Water.</i> —Good and abundant from river.	Road regularly used by 'araba' traffic.
Kerki ..	70	135½	Ditto.	<i>Road.</i> —Unmetalled running through sandy country. Only difficult for wheeled traffic where sand is soft. <i>Camps.</i> —No details ..	No details	Kerki Garrison town with fort. Port for Amu Darya flotilla. Ferry across river. Telegraph line. { to Charjui along left bank of Oxus. To Termez along right bank.
Kilif ..	70	205½	Ditto.	As above	Ditto	Kilif, important place for crossing Amu Darya effected by flat-bottomed boats.— Capacity 30 horses of each. or 100 infantry. Yards. Width of Stream. 330 { according to seasons of 470 } year.
Termez (Patta Kesar).	75½	281	Ditto.	As above	Ditto	Termez. Russian frontier post with fort, arsenal and pontoon sheds. Average width of river here 1,600 yards.

Section B.

ROUTE No. 13.

FROM MASTUNG ROAD STATION TO KALAT.

[Reference.—B.46, Routes in Northern Baluchistan, Route No. 118.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Mastung .. (5,580').	7	7	Carts.	<i>Road.</i> —Metalled in places sandy and heavy going. <i>Camp.</i> —Usual camping ground is cramped and dusty, suitable only for a small force; there are, however, other camping sites in the vicinity.	<i>Water.</i> —In <i>karez</i> s abundant and good, but difficult of access for animals. <i>Intermediate water.</i> —At mile 2. <i>Supplies.</i> —Abundant, including <i>fuel</i> and <i>forage</i> . <i>Camel-grazing.</i> —Scanty.	A m a d e cart-road to Kalat.
2. Guru ..	18½	25½	Carts.	<i>Road.</i> —Metalled. <i>Camp.</i> —O p e n a n d roomy, but very dusty.	<i>Water.</i> —For 25 men and horses from one covered well. There are other wells, but they are not to be depended on. <i>Supplies.</i> —Very limited from one <i>bania</i> . <i>Fuel.</i> —Scarce. <i>Camel-grazing.</i> —Scanty.	
3. Manguchar	15	40½	Carts.	<i>Road</i> —Metalled. <i>Camp.</i> —O p e n a n d roomy, but very dusty, all round bungalow,	<i>Water.</i> —From one well, sufficient for a battalion and from <i>karez</i> s (4½ miles distant) for a brigade. <i>Supplies.</i> —For a small party only. <i>Forage, fuel and camel-grazing.</i> —All in small quantities only.	
4. Kalat (6,780').	22	62½	Carts.	<i>Road.</i> —Metalled. <i>Camp.</i> —At Kohing, 2 miles north of Kalat town. At Girani (17 miles reached by old road (camels) from Manguchar is a good and spacious camping ground with good and abundant water. From Girani to Kalat is 7 miles by eastern route (camels) or 8 miles by western route suitable for wheels.	<i>Water.</i> —From numerous <i>karez</i> s with total volume of 2,500 gallons per minute. <i>Intermediate water.</i> —At 9 miles; sufficient in all for 1 battalion. <i>Supplies.</i> —Obtainable in small quantities. <i>Fuel.</i> —Scarce. <i>Camel-grazing.</i> —Scarce.	

Section B.

ROUTE NO. 13-A.

FROM KALAT TO SURAB.

[Reference—B.-45, Routes in Southern Baluchistan.—Route No. 41.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Rodinji (6,460').	14	14	Carts.	<p><i>Road.</i>—Fit for carts 10' cleared track, would be heavy in places after rain.</p> <p><i>Camp.</i>—Unlimited open space.</p>	<p><i>Water.</i>—Good and abundant.</p> <p><i>Supplies.</i>—Practically nil.</p> <p><i>Forage.</i>—Scarce.</p> <p><i>Camel-grazing.</i>—Plentiful except in winter or drought.</p>	
2. Gandakin Kot (6,020')	15½	29½	Carts.	<p><i>Road.</i>—As before ..</p> <p><i>Camp.</i>—Unlimited open space.</p> <p>Alternative camp at Hajika Khan by alternative route from Rodinji to Surab.</p>	<p><i>Water.</i>—Scarce and unreliable.</p> <p>Mounted troops should go <i>via</i> Hajika Khan where there is a <i>karez</i>.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Camel-grazing.</i>—Good.</p>	
3. Surab, (5,786')	13½	43	Carts.	<p><i>Road.</i>—As before ..</p> <p><i>Camp.</i>—Unlimited open space.</p>	<p><i>Water.</i>—From <i>karizes</i> ample for a regiment.</p> <p><i>Supplies.</i>—Can be collected for a regiment on notice from the Surab Valley.</p> <p><i>Fuel and bhusa.</i>—Procureable.</p> <p><i>Camel-grazing.</i>—Good.</p>	

Section B.

ROUTE No. 14.

FROM SIBI TO QUETTA *via* BOLAN PASS.

[Reference.—B-46-Con., Routes in Northern Baluchistan, Route No. 112.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Mushkaf (495').	10½	10½	Carts.	Road.—Unmetalled and bad for carts. Passage of Nari river difficult at all times is some times impassable for 10 days at a stretch owing to floods. Camp.—For one Brigade.	Water.—Abundant. Supplies.—Nil. Forage.—Scarce. Fuel and camel grazing.—Plentiful.	
2. Rindli (800').	6½	16½	Carts.	Road.—Unmetalled but good for carts. Camp.—½ mile west of railway station. Area 500,000 square feet fit for one Brigade.	Water.—Good and abundant. Supplies.—Scarce. Fuel.—Scarce.	
3. Kundalani (1,089').	10	26½	Carts.	Road.—Metalled. Camp.—For one Brigade, area 58,091 square feet and 90,000 square feet for convoy.	Water.—Good and abundant. Supplies.—Scarce. Fuel and grass.—Can be collected on notice.	
4. Kirta, (1,100').	8	34½	Carts.	Road.—Metalled. Camp.—For one Brigade; area 523,000 square feet and 133,000 square feet for convoys.	Water.—Good and abundant. Supplies.—As at Kundalani.	
5. Bibiani (1,700').	12½	47	Carts.	Road.—Metalled, drained and bridged throughout. Camp.—For 2 Regiments cramped and for transport of 100 carts. Subsidiary camping ground.—For a Brigade across river.	Water.—Good and abundant. Supplies.—Scarce. Fuel and grass.—Scarce. Pishi station 2½ miles north-east of Bibiani.	
6. Mach, (3,500').	14½	61½	Carts.	Road.—Metalled. Camp.—For one Brigade Tank and double sidings at railway station ½ mile beyond Dak Bungalow.	Water.—Good and abundant. Supplies.—Scarce.	
7. Kolepur *	14½	76	Carts.	Road.—Metalled. Camp.—For one Brigade. Camps.—At 6 and 9 miles for one Regiment with abundant water.	Water.—Good and abundant. Supplies.—Scarce. Fuel and grass.—Scarce.	
8. Sar-i-ab	18½	94½	Carts.	Road.—Metalled. Reaches highest point (6,620 feet) in this stage. Camp.—For one Brigade.	Water.—Good and abundant. Supplies.—Scarce, previous notice required. Fuel and grazing.—Scarce.	

* Note.—Crosses Kotal in this stage. Height of Kotal 6,160.

Section B.

ROUTE No. 14—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
9. Quetta (5,511)'	8	102½	Carts.	<i>Road.</i> —Metalled and in excellent order. <i>Camp.</i> —Unlimited.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Of all sorts in any quantity with previous notice. <i>No fuel, nor camel graz- ing.</i> —In the immedi- ate vicinity.	

Section B.

ROUTE No. 15.

FROM NUSHKI TO JALK.

[Reference.—B. 45, Routes in Southern Baluchistan, Routes Nos. 24-38.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Ahmedwal	11	11	Camels.			
2. Tafui ..	12	23	Camels.			
3. Patkin ..	20	43	Camels.	For these stages c. f. Route No. 17 Rah-i-Awaran		—Nushki.
4. Nauroz Kalat	20	63	Camels.			
5. Kharan ..	18	81	Camels.			
6. Zai ..	13	94	Camels.			
				<i>Road.</i> —Over <i>pat</i> , fit for camels.	<i>Water.</i> —From two wells dirty but said to be good.	This is a desert route impracticable for parties of more than about 100 men.
				<i>Camp.</i> —On E side of a nala on <i>pat</i> . No details.	<i>Supplies.</i> —Nil, a few sheep and goats.	
					<i>Fuel and camel grazing.</i> —Abundant.	
					<i>Grass.</i> —Nil.	
7. Haji Gumbaz.	11½	105½	Camel	<i>Road.</i> —As before ..	<i>Water.</i> —From 2 wells, each 3' 6" in diameter 70 and 75 feet deep, water dirty but sweet say for 300 men and 300 camels.	
				<i>Camp.</i> —On <i>pat</i> surrounded by hills (sand) except on the southeast.	<i>Supplies.</i> —Nil, a few sheep and goats.	
					<i>Fuel and grazing.</i> —For camels abundant.	
					<i>Grass.</i> —Nil.	
					<i>Bhusu.</i> —A very small quantity obtainable.	
8. Nazari Chah	10½	116	Camels.	<i>Road.</i> —As before ..	<i>Water.</i> —Limited, muddy and slightly brackish.	
				<i>Camp.</i> —Near ruined Fort; no details.	<i>Supplies.</i> —Nil; a few sheep and goats.	
					<i>Fuel and camel grazing.</i> —Plentiful.	
					<i>Grass.</i> —Nil.	
9. Bhakat ..	11½	127½	Camels.	<i>Road.</i> —As before ..	<i>Water.</i> —(In January 1909) from a pool ¾ mile long. Water is dirty but is the last certain supply till Washuk (stage 12) and would have to be carried in barrels from here for next 2 stages.	
				<i>Camp.</i> —On <i>pat</i> , no details.	<i>Supplies.</i> —Nil, a few sheep and goats.	
					<i>Fuel and camel grazing.</i> —Plentiful.	
					<i>Grass.</i> —Nil.	
					<i>Bhusu.</i> —A very small quantity obtainable.	

Note.—By this route there are no difficulties for wheeled artillery except in stages 10, 11, 12 where the sand is very deep and heavy, but the scarcity of water and the almost total absence of forage would forbid its employment and for the same reasons mule transport should not be used.

Section B.

ROUTE No. 15 —*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
10. Sardar Chah.	15	142½	Camels.	<i>Road.</i> —Heavy going over sand from 12 miles. <i>Camp.</i> —Apparently very cramped and suitable only for 50 men and transport on a strip of <i>pat</i> , but probably ample ground on the sand.	<i>Water.</i> —Small well containing about 18" of water; also one at mile 8 of same capacity. <i>Supplies.</i> —Nil. <i>Grass.</i> —Nil. <i>Camel grazing.</i> —Scarce in vicinity of camp, plentiful <i>en route</i> . <i>Fuel.</i> —Obtainable within ½ mile.	
11. Bhatambar	9	151½	Camels.	<i>Road.</i> —Over deep sand. <i>Camp.</i> —No details.	<i>Water.</i> —Nil. <i>Supplies.</i> —Nil. <i>Grass.</i> —Nil. <i>Fuel and camel grazing.</i> —Abundant.	
12. Washuk	7½	159	Camels.	<i>Road.</i> —First 5 miles on sand, then over stony ground to camp. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant and good from irrigation channels. <i>Supplies.</i> —Practically nil, a few sheep and goats. Dates plentiful. Very small amount of barley. <i>Fuel and camel grazing.</i> —Obtainable in desert, 4 miles North.	
13. Bbishija ..	8	167	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —On bank of the Bishija nala. No details	<i>Water.</i> —From small spring yielding about 200 gallons per hour which discharges into small tank holding 1,500 gallons. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Nil. <i>Camel grazing.</i> —Fair.	
14. Ror ..	12	179	Camels.	<i>Road.</i> —No difficulty but very rough going off the beaten track. <i>Camp.</i> —On bank of nala, no details.	<i>Water.</i> —Practically nil. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Nil. <i>Camel grazing.</i> —Poor. <i>Grass (barshon).</i> —Obtainable.	
15. Juti ..	15	194	Camels.	<i>Road.</i> —Over stony <i>daman</i> but not so rough as previous stage. <i>Camp.</i> —On bank of nala; no details.	<i>Water.</i> —Nil. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Nil. <i>Camel grazing.</i> —Poor except after rain.	

Section B.

ROUTE No. 15—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
16. Palantak	14	208	Camels.	<i>Road.</i> —Excellent the whole way. <i>Camp.</i> —No details.	<i>Water.</i> —Clear but slightly brackish from channel in river, supply 70 gallons per minute; there is a similar channel about $\frac{1}{4}$ mile up the river. <i>Supplies.</i> —Practically nil, a few sheep and goats. <i>Fuel.</i> —Obtainable. <i>Camel grazing and grass.</i> —In small quantities.	
17. Tank-i-Bilori.	14	222	Camels.	<i>Road.</i> —No difficulty . . <i>Camp.</i> —On right bank of river; no details.	<i>Water.</i> —Sufficient for 100 men, might be increased by digging holes <i>Supplies.</i> —Nil. <i>Fuel and camel grazing.</i> —Plentiful. <i>Grass.</i> —(<i>barshon</i>) abundant.	
18. Kamarod	18 $\frac{1}{2}$	240 $\frac{1}{2}$	Camels.	<i>Road.</i> —No difficulty for camel transport, would require improvement for guns at 4 $\frac{1}{2}$ miles. <i>Camp.</i> —On left bank opposite bend in river; no details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Nil. <i>Fuel and camel grazing.</i> —Plentiful.	
19. Girdi . .	20	260 $\frac{1}{2}$	Camels.	<i>Road.</i> —No difficulty . . <i>Camp.</i> —On bank of nala; no details.	<i>Water.</i> —For 300 men and 300 camels, should be carried from here for next stage. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Obtainable. <i>Camel grazing.</i> —Precarious.	
20. Nok Chah	10	270 $\frac{1}{2}$	Camels.	<i>Road.</i> —Good all the way <i>Camp.</i> —No details.	<i>Water.</i> —None obtainable in 1909 (January), but in 1907 said to have been sufficient for 500 camels, supply is therefore uncertain. <i>Supplies.</i> —Nil. <i>Fuel and camel grazing.</i> —Moderate. <i>Grass.</i> —Nil.	
21. Pir Kanda	26	296 $\frac{1}{2}$	Camels.	<i>Road.</i> —No difficulty for camels, probably very heavy for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —Good from well in bed of stream, well at 13 miles otherwise no water <i>en route</i> . <i>Supplies.</i> —Nil. <i>Fuel and camel grazing.</i> —Scarce.	

Section B.

ROUTE No. 15—*contd.*

Stages.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
22. Kaladin	10	306½	Camels.	<i>Road</i> good over level ground. <i>Camel</i> .—No details.	<i>Water</i> .—Good and abundant. Water also at 6 miles <i>en route</i> . <i>Supplies</i> .—Abundant. <i>Fuel and camel grazing</i> .—Plentiful.	
23. Jalk ..	10	316½	Camels.	<i>Road</i> .—As before .. <i>Camp</i> .—Unlimited ground.	<i>Water</i> .—Abundant and good. <i>Supplies</i> . — Abundant, 2,000 maunds <i>jowari</i> , 1,000 maunds wheat, 50 of barley, 50 of rice and 2 of <i>ghi</i> on 4 or 5 days' notice. Also 100 maunds of <i>ata</i> a day.	

Note.—The most direct route from Nushki to Jalk is *via* Dalbandin and Ladgasht but it is not a route suitable for the movement of troops, owing to length and difficulty of the stages through heavy sand and sand-hills. The water supply *en route* is very limited, the wells constantly becoming silted up by the prevailing sand storms and the water when, obtainable, being bad in quality and tainted with sulphuretted hydrogen.

Section B.

ROUTE No. 16.

FROM JALK TO BAMPUR.

[Reference.—Routes in Persia, Volume IV, Routes Nos. 4, 5, 9, 27.]

Stage.	Mileage.		Road suitable for	Camp.	Supplies.	REMARKS.
1. Laji (3,100')	14	14	Camels.	<i>Road.</i> —Easy and passable for all arms. <i>Camp.</i> —For a Brigade, but commanded by hills 400' high on both sides.	<i>Water.</i> —Good and abundant from stream. <i>Supplies.</i> —In small quantities, some sheep and goats. <i>Fuel and grass.</i> —Plentiful. <i>Camel grazing.</i> —Good, 2 miles distant.	
2. Purkuk (4600').	10	33	Camels.	<i>Road.</i> —Easy and passable for all arms. <i>Camp.</i> —One mile below, water for a Brigade if divided up.	<i>Water.</i> —Good and ample for a Brigade. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Good. <i>Camel grazing.</i> —Good. <i>Grass.</i> —Abundant.	
3. Dehak (3780') (3,600').	12½	45½	Camels.	<i>Road.</i> —As before except over the Brimjimal Pass at mile 2½, where 3 parties of 50 men could make road passable for guns in 3 hours. <i>Camp.</i> —Open ground on all sides for camp.	<i>Water.</i> —Good and plentiful from Karez for 2 Brigades. <i>Supplies.</i> —Scarce, a little wheat and <i>Jowari</i> ; some sheep & goats. <i>Grass and camel grazing.</i> —Good. <i>Fuel.</i> —Obtainable from villages round. <i>Transport.</i> —40 donkeys could be obtained.	
4. Nakkan .. (3800').	17	62½	Carts.	<i>Road.</i> —Easy .. <i>Camp.</i> —Unlimited, open ground.	<i>Water.</i> —Sufficient for 200 men and 200 camels easily and by collecting in pools sufficient for larger force. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Good. <i>Grass and camel grazing.</i> —Good.	
5. Khvushag (3800').	23	85½	Carts.	<i>Road.</i> —Easy except for 1 mile through willow jungle at 12½ miles. <i>Camp.</i> —Unlimited open maidan.	<i>Water.</i> —Good from small Karez and from stream 10 inches broad and 4 inches deep flowing ½ mile per hour, water for a battalion <i>en route</i> . <i>Supplies.</i> —Practically nil; a few sheep and goats. <i>Camel grazing, grass and fuel.</i> —Good.	

Section B.

ROUTE No. 16—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
6. Magas (4,200')	26	111½	Carts.	<i>Road.</i> —Very easy throughout. <i>Camp.</i> —On level open maidan.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Obtainable in fair quantity. <i>Fuel.</i> —Plentiful. <i>Grass.</i> —Abundant. <i>Camel grazing.</i> —Fair.	
<p><i>N.B.</i>—Alternative route from Purkuk (stage 2) to Magas via Dizak and Sib.</p> <p>Reference.—Routes in Persia, Volume IV, Routes Nos. 6, 13, 17.</p>						
3. Dizak ..	25	..	Camels.	<i>Road.</i> —Passable all arms with a little improvement on the Brinjinan Pass. <i>Camp.</i> —Unlimited room on plain to north.	<i>Water.</i> —Good and unlimited. <i>Supplies.</i> —Obtainable on notice in large quantity. <i>Fuel.</i> —Scarce. <i>Camel grazing.</i> —Poor.	This alternative route is fit for field artillery. In 1902, the Governor-General of Kirman travelled along it, with some difficulty, in a four-wheeled phaeton.
4. Sarandar stream.	10	35	Camels.	<i>Road.</i> —Easy, probably passable for guns. <i>Camp.</i> —No details.	<i>Water.</i> —Good and plentiful from spring. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Nil. <i>Camel grazing.</i> —In the hills, none near camp.	
5. Sib (3,650')	14	49	Camels.	<i>Road.</i> —On the whole good. <i>Camp.</i> —No detail.	<i>Water.</i> —From Karez good and plentiful (?) no water <i>en route</i> . <i>Supplies.</i> —In small quantities, some sheep and goats. <i>Fuel.</i> —Scarce. <i>Camel grazing.</i> —At a distance in the Hills.	
6. Chahukan	12	61	Camels.	<i>Road.</i> —Rough but passable for camel transport. <i>Camp.</i> —No details ..	<i>Water.</i> —From springs. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Obtainable.	
7. Magas ..	15	76	Camels.	<i>Road.</i> —Fit for camels, easier than previous stage.	<i>Forage.</i> —Nil.	
7. Sar-i-Fohruj	13	124½	Carts.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details. ..	<i>Water.</i> —Good but scanty, more could be obtained by digging. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scarce. <i>Grass.</i> —Abundant. <i>Camel grazing.</i> —Obtainable at some distance from camp.	

Section B.

ROUTE No. 16—*contd.*

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
8. Manarah ..	9 133½	Camels, Carts.	<i>Road.</i> —Over the watershed to Chabb would be difficult for wheeled transport. <i>Camp.</i> —No details; probably rather circumscribed.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Nil. <i>Fuel and grass.</i> —Abundant. <i>Camel grazing.</i> —Scarce.	
9. Ispidan ..	12 145½	Camels and Carts.	<i>Road.</i> —Has been used for wheels but is probably difficult owing to the track being narrow and full of high grass. <i>Camp.</i> —No details.	<i>Water.</i> —Good and plentiful but difficult of access for animals; plentiful <i>en route.</i> <i>Supplies.</i> —Nil. <i>Fuel and grass.</i> —Plentiful. <i>Camel grazing.</i> —Plentiful.	
10. Suran ..	13 158½	Carts.	<i>Road.</i> —Passable all arms and has been used for a carriage of the Persian Governor General of Kirman (1902.) <i>Camp.</i> —No details ..	<i>Water.</i> —Excellent and abundant. Intermediate water at 5 miles. <i>Supplies.</i> —Nil. <i>Fuel and grass.</i> —Abundant. <i>Camel grazing.</i> —Abundant.	
11. Aftar ..	12 170½	Carts.	<i>Road.</i> —As before .. <i>Camp.</i> —No details.	<i>Water.</i> —Good but tepid from a spring, plentiful also <i>en route.</i> <i>Supplies.</i> —In small quantities. <i>Fuel and grass.</i> —Plentiful. <i>Camel grazing.</i> —Plentiful.	
12. Fahreh or Fehruj.	12 182½	Carts.	<i>Road.</i> —As before .. <i>Camp.</i> —For a brigade near Fahreh fort.	<i>Water.</i> —Good and abundant supply. <i>Supplies.</i> —Abundant. <i>Camel grazing.</i> —Abundant.	
13. Bampur ..	17 190½	Carts.	<i>Road.</i> —2 tracks; the north one is well defined and much used. The south one leads through cultivation which, when under irrigation, is difficult for camels. <i>Camp.</i> —Ample ground for large bodies of troops to encamp.	<i>Water.</i> —Unlimited; but is impure near the town. <i>Supplies.</i> —Of all kinds abundant for at least a brigade. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Abundant.	

Section B.

ROUTE No. 17.

FROM RAH-I-AWARAN TO NUSHKI.

[Reference.—B.-45, Routes in Southern Baluchistan, Routes Nos. 85-23 30, 24, 5.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Mazari well Balgatar.	14½	14½	Camels.	<i>Road.</i> —Fit for laden camels requires preparation to allow of passage of guns between 8½ and 10 miles where are 9 places which want from ½ to 1 hour's work. <i>Camp.</i> —No details.	<i>Water.</i> —From well. <i>Supplies.</i> —Nil. Some sheep and goats. <i>Fuel and Camel grazing.</i> —Abundant. <i>Grass.</i> —Can be collected from previous stage and <i>en route</i> , near halting place.	
2. Tash Kaur	10	24½	Camels.	<i>Road.</i> —Easy and practicable for artillery in good weather but impassable in wet. <i>Camp.</i> —Good camping grounds.	<i>Water.</i> —For drinking purposes wells would have to be sunk, good water being limited. The present supply is ample for animals but muddy and foul. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant (Fish). <i>Firewood and grass.</i> —Nil	
3. Lashkaran Kaur.	12	36½	Camels.	<i>Road.</i> —This march requires preparation for the passage of guns, no difficulty for other arms or transport. Soil easy to work. <i>Camp.</i> —Small on west bank of river a more extensive camping ground is obtainable 1½ miles further on.	<i>Water.</i> —Perennial from pools. <i>Supplies.</i> —Very limited. <i>Fuel.</i> —Abundant. <i>Grass.</i> —In small quantities. <i>Camel grazing.</i> —Fairly plentiful.	
4. Gunni Kaur	11½	48	Camels.	<i>Road.</i> —A day's hard work with 2 companies required to fit this stage for passage of guns. <i>Camp.</i> —No room here, but good ground at 10½ miles if water in the Gunni Kaur, or else at Jowari, Kaur, 3½ miles further on.	<i>Water.</i> —Perennial. <i>Supplies.</i> —Nil. <i>Fuel.</i> —(Fish) abundant. <i>Grass.</i> —Abundant.	
5. Kowdah's Kalat.	16½	64½	Camels.	<i>Road.</i> —The first 3 or 4 miles over the Kandagh is quite impassable for guns and is difficult for camels (laden). The Kandagh might be turned but the detour would probably necessitate an extra stage. For the remainder of the stage the road is easy, but would become very difficult in very wet weather; this is, however, a rare occurrence. <i>Camp.</i> —Extensive camping ground.	<i>Water.</i> —Plentiful, but some of the wells are brackish. <i>Supplies.</i> —Obtainable in fair quantities. <i>Fuel.</i> —Abundant. <i>Grass.</i> —Can be collected in large quantities	

Section B.

ROUTE No. 17—contd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
6. Chitkan (Panjgur) (3,250')	22½	86½	Camels.	<i>Road.</i> —Practicable throughout for guns, only a very small amount of preparation necessary. <i>Camp.</i> —Unlimited ground.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Plentiful.	
7. Saraduk .. (3,400')	9	95½	Camel.	<i>Road.</i> —Easy, practicable for field Artillery. <i>Camp.</i> —In valley. No details.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Plentiful. <i>Camel grazing.</i> —Good.	
8. Kanig (3,850')	17	12½	Camels.	<i>Road.</i> —Well defined track over open, gravelly plain intersected in places by nalas. <i>Camp.</i> —In Rakshan valley. Intermediate camp with water, fuel, and camel grazing at 11 miles.	<i>Water.</i> —From well, depth of water 5ft. diameter of well 3 feet; also small spring 2 miles north of well. <i>Supplies.</i> —Nil. <i>Fuel and grass.</i> —Plentiful. <i>Camel grazing.</i> —Plentiful.	
9. Kuna-i-Chah (3,500')	20	132½	Camels.	<i>Road.</i> —Over level, open gravelly plain; fit for Artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Good well 20' deep. <i>Supplies.</i> —Nil. <i>Fuel and Camel grazing.</i> —Plentiful.	
10. Kacha Daman (4,380')	12	144½	Camels.	<i>Road.</i> —Well defined track on level plain. <i>Camp.</i> —No details, on sandy plain intersected by sandy nalas.	<i>Water.</i> —Scarce; no water or villages en route. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Good. <i>Camel grazing and grass.</i> —Plentiful.	
11. Nagha Kalat (4,600')	13	157½	Camels.	<i>Road.</i> —Sandy and gravelly, level and good going, gradual ascent. <i>Camp.</i> —No details.	<i>Water.</i> —Good and plentiful from streams and springs; supply capable of improvement. <i>Supplies.</i> —Very limited. No grain. Some sheep and goats. <i>Camel grazing, fuel and grass.</i> —Plentiful.	
12. Pishuk ..	14	171½	Camels.	<i>Road.</i> —First 4 miles through heavy sand then good going and fit for guns. <i>Camp.</i> —In range of hills (4,900').	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scarce. <i>Camel grazing and grass.</i> —Obtainable in valley between hills.	
13. Nok Chah (5,000')	14	185½	Camels.	<i>Road.</i> —Good going, fit for guns. <i>Camp.</i> —No details.	<i>Water.</i> —From well, depth of water 5 feet; diameter of well 4 feet. <i>Supplies.</i> —Nil. <i>Fuel and fodder.</i> —Scarce. <i>Camel grazing.</i> —Abundant.	

Section B.

ROUTE No. 17—*contd.*

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
14. Shireza .. (5,000').	12 197½	Camels.	<i>Road.</i> —Fit for guns. <i>Alternative track</i> via Phatak along the valley 15 miles. <i>Camp.</i> —No details <i>Note.</i> —Route to Kalat from Panjgur joins here.	<i>Water.</i> —From small stream and well, good and plentiful, capable of improvement. <i>Supplies.</i> —Limited, no grain; a few sheep and goats procurable. <i>Fuel and grass.</i> —Obtainable. <i>Camel grazing.</i> —Abundant.	
15. Durman-i-Kal (4,500')	18 215½	Camels.	<i>Road.</i> —No difficulty for camels. Easy descent the whole way. <i>Camp.</i> —At mouth of Durman stream and head of Besima valley. No details.	<i>Water.</i> —From stream obtainable for last 9 miles along route. <i>Supplies.</i> —Practically nil. <i>Fuel and fodder.</i> —Plentiful. <i>Camel grazing.</i> —Plentiful.	
16. Dali ..	16 231½	Camels.	<i>Road.</i> —Stony and difficult in places for camels, impassable for guns, especially between 8th & 13th mile. <i>Camp.</i> —At foot of hills in Dali valley.	<i>Water.</i> —From 1 well; can be improved by digging. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Plentiful. <i>Fuel.</i> —Plentiful. <i>Grass.</i> —Limited quantity only.	
17. Garuk .. (2,900')	17 248½	Camels.	<i>Road.</i> —Stony and rough at 5 miles along riverbed. <i>Camp.</i> —On low hills overlooking stream and valley.	<i>Water.</i> —Good and plentiful from perennial stream. <i>Supplies.</i> —Practically nil. <i>Fuel and grass.</i> —Plentiful. <i>Camel grazing.</i> —Plentiful.	
18. Kharan ..	22 270½	Camels.	<i>Road.</i> —Good easy going. <i>Camp.</i> —On plain north of Fort and village.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Obtainable, can be collected in large quantities on due notice. <i>Fuel and grass.</i> —Obtainable. <i>Transport.</i> —3,000 to 4,000 camels could be collected at Kharan on due notice.	
19. Nauroz Kalat.	18 288½	Camels.	<i>Road.</i> —Fit for laden camels. <i>Camp.</i> —Good ground at 19½ miles on left bank of river and small camping ground on right bank opposite fort.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Nil. <i>Fuel and camel.</i> —Grazing abundant. <i>Bhusa.</i> —Obtainable locally at certain seasons.	

Section B.

ROUTE NO. 17—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
20. Patkin ..	20	208½	Camels.	<i>Road.</i> —Over gravelly pat except in river bed. Fit for laden camels. <i>Camp.</i> —On left bank of river, no details.	<i>Water.</i> —From pools in stream, plentiful. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Plentiful.	
21. Tafui } ..	20	228½	Camels.	<i>Road.</i> —Crosses the Walidad Pass, easy for pack transport, requires widening for Field Artillery, soil easy. <i>Camp.</i> —Near Fakir Juma Ziarat; no details.	<i>Water.</i> —From holes in river bed. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Nil. <i>Camel grazing.</i> —Obtainable.	
22. Ahmedwal	12	240½	Camels.	<i>Road.</i> —Joins Nushki trade route at 3 miles, thence passable for wheels in dry weather through very difficult in wet weather. <i>Camp.</i> —By serai; no details.	<i>Water.</i> —100,000 gallons of good water per diem. <i>Supplies.</i> —Nil, could be arranged for from Nushki. <i>Fuel.</i> —Scarce. <i>Grazing.</i> —For camels unlimited.	
23. Nushki ..	11	251½	Camels.	<i>Road.</i> —Follows Nushki trade route as before. <i>Camp.</i> —Ample for a Division.	<i>Water.</i> —From the Kaiser river which ran dry in 1902, when water had to be carried from a distance of 3 miles. <i>Supplies.</i> —Abundant. <i>Fuel.</i> —Abundant. <i>Forage and camel grazing.</i> —Good. <i>Camels.</i> —Some 2,000 camels could be collected in the district.	

Section B.

ROUTE No. 17-A.

FROM PASNI TO TURBAT.

[Reference—B.-45, Routes in Southern Baluchistan, Route No. 111.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kabri ..	12	12	Camels.	<i>Road.</i> —Easy for camels <i>Camp.</i> —Ample for one brigade with transport.	<i>Water.</i> —From 2 pools, $\frac{1}{2}$ mile from river bed. <i>Supplies.</i> —Nil. <i>Fuel and camel-grazing.</i> —Ample.	
2. Guliman-i-Bent.	9	21	Camels.	<i>Road.</i> —Easy for camels. <i>Camp.</i> —Unlimited camping ground.	<i>Water.</i> —From large pool in river bed. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Good.	
3. Pidark ..	25	46	Camels.	<i>Road.</i> —Good, movement off the road is difficult owing to numerous ravines. <i>Camp.</i> —Ample for one brigade with transport.	<i>Water.</i> —Ample from irrigation channels. <i>Supplies.</i> —Of grain in small quantities. <i>Camel-grazing.</i> —Good.	
4. Turbat ..	20	66	Camels.	<i>Road.</i> —Easy for camels except at mile 55-56 where it is practicable. <i>Camp.</i> —Ample for a brigade with transport.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Obtainable in fair quantities. <i>Fuel.</i> —Plentiful. <i>Camel-grazing.</i> —Good. <i>Grass.</i> —Depends on rain-fall.	

Section B.

ROUTE No. 17-B.

FROM PASNI TO RAH-I-AWARAN.

[Reference.—Routes in Southern Baluchistan, Route No. 112.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kabri ..	12	12	Camels.	<i>Road.</i> —Easy, and good going throughout. <i>Camp.</i> —Ample for one brigade with transport.	<i>Water.</i> —From 2 pools, $\frac{1}{2}$ mile from river bed. <i>Supplies.</i> —Nil. <i>Fuel and camel-grazing.</i> —Ample.	
2. Gharki ..	20	32	Camels.	<i>Road.</i> —Could be made practicable for field artillery. <i>Camp.</i> —Suitable ground anywhere for camp.	<i>Water.</i> —Abundant. <i>Fuel and forage.</i> —Abundant. <i>Supplies.</i> —Nil.	
3. Gorkop ..	17	49	Camels.	<i>Road.</i> —Easy as before. <i>Camp.</i> —No details.	<i>Water.</i> —From <i>karez</i> . <i>Supplies.</i> —Nil. <i>Fuel and forage.</i> —Procurable.	
4. Talach river	17	66	Camels.	<i>Road.</i> —Would require improvement to make practicable for artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Scarce, but could be stored. <i>Supplies.</i> —Nil. <i>Grass.</i> —Nil	
5. Ispirod ..	17 $\frac{1}{2}$	83	Camels.	<i>Road.</i> —No difficulty for camel transport. <i>Camp.</i> —No details.	<i>Water.</i> —Precarious supply could be stored in ravine bed. <i>Supplies.</i> —Nil. <i>Grass and forage.</i> —Plentiful.	
6. Rah-i-Awaran.	5 $\frac{1}{2}$	88 $\frac{1}{2}$	Camels.	<i>Road.</i> —Over stony ravine cut plain. Fit for camels. <i>Camp.</i> —No details.	<i>Water.</i> —From pools. <i>Supplies.</i> —Nil. <i>Fuel and forage.</i> —Obtainable.	

Section B.

ROUTE No. 18.

FROM KALAT TO NUSHKI *via* NIMARG.

[Reference.—B. 46, Route, in Northern Baluchistan, Route No. 128.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Chappar ..	9*	9	Camels, Carts.	<i>Road.</i> —Passable all arms and wheeled transport. <i>Camp.</i> —No details.	<i>Water.</i> —Sweet from irrigation channel yielding about 400 cubic feet per minute when full. <i>Supplies.</i> —For 20 men and animals. <i>Fuel.</i> —Scarce, but can be collected from the surrounding country. <i>Camel grazing.</i> —Procurable.	
2. Nimarg ..	10	19	Camels.	<i>Road.</i> —At 5½ miles is impracticable for wheels but fit for camels. <i>Camp.</i> —No details.	<i>Water.</i> —About 700 cubic feet per minute from Karez. <i>Supplies.</i> —For 20 men and animals procurable. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Procurable.	
3. Gorbarat ..	12½	31½	Camels.	<i>Road.</i> —Difficult for laden camels at 8 miles. <i>Camp.</i> —No details.	<i>Water.</i> —From stream about 100 cubic feet per minute. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scarce. <i>Camel grazing.</i> —Obtainable.	
4. Baghak ..	19	50½	Camels.	<i>Road.</i> —Difficult for laden camels in places during first 2 miles; then easy. <i>Camp.</i> —No details.	<i>Water.</i> —For small force only. No details. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scarce; could be collected from surrounding country. <i>Camel grazing.</i> —Obtainable.	
5. Nushki ..	5	55½	Camels.	<i>Road.</i> —About 20' broad, unmetalled and in places sandy; otherwise fit for all arms. <i>Camp.</i> —Ample for a Division.	<i>Water.</i> —From Kaiser river which ran dry in 1902 when water had to be carried from a distance of 3 miles. Supply for a small force plentiful. <i>Supplies.</i> —Abundant. <i>Fuel.</i> —Abundant. <i>Forage and camel grazing.</i> —Good. <i>Camels.</i> —Some 2,000 camels could be collected in the district.	

*Note.—There is an alternative route on this stage, length 7½ miles but fit only for mules and horses with difficulty.

Section B.

ROUTE No. 19.
FROM LAS BELA TO SURAB.

[Reference.—B.-45, Routes in Southern Baluchistan, Routes Nos. 44, 60, 45.]

Stago.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Tapi Thana, (695').	12½	12½	Camels.	<p><i>Road.</i>—Good camel track throughout, but difficult in wet weather.</p> <p><i>Camp.</i>—Unlimited ground for camping on stony plain.</p>	<p><i>Water.</i>—Good and abundant.</p> <p><i>Supplies.</i>—Could be collected in large quantities on notice.</p> <p><i>Fuel and camel-grazing.</i>—Plentiful.</p>	
2. Kohan Wat (1,000').	8½	21	Camels.	<p><i>Road.</i>—Over stony soil, easy for camels.</p> <p><i>Camp.</i>—For a brigade in dry bed of stream.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Nil locally.</p> <p><i>Fuel.</i>—Abundant.</p> <p><i>Camel-grazing.</i>—Abundant.</p>	
3. Salao, (2,600').	15	36	Camels.	<p><i>Road*</i>.—Fit for camels, but difficult for men on foot owing to heavy sand in first 3 miles and rocks at 3½ miles onwards.</p> <p><i>Camp.</i>—Ample room for a brigade but ground by the water is broken up by <i>nalas</i>.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Abundant.</p> <p><i>Camel-grazing.</i>—Abundant.</p>	
4. Kanoji River (3,480')	11	47	Camels.	<p><i>Road.</i>—Easy for camels but trying for men on foot.</p> <p><i>Camp.</i>—Either in sandy bed of <i>nala</i> or on the banks. Plenty of space, but the ground is stony and broken.</p>	<p><i>Water.</i>—Generally sufficient for a battalion from a stream, and also water to be obtained in <i>nala</i> about 1 mile from Camp.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Camel-grazing and fuel.</i>—Plentiful.</p>	
5. Turkabar (3,800').	14	61	Camels.	<p><i>Road.</i>—A very trying march. Crossing the Barra Pass the road divides the old track to the west, is just passable for camels, but it is easier to take transport round by the east track.</p> <p><i>Camp.</i>—Any force larger than 1 regiment would have to be extended further up the river. Alternative camp at Namir, 1 mile further on.</p>	<p><i>Water.</i>—Good and generally ample for a brigade, but supply varies considerably.</p> <p><i>Intermediate water.</i>—Good and plentiful at 6 and 10½ miles.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Scanty.</p> <p><i>Camel-grazing.</i>—Fairly good.</p>	

* *Note.*—From Kohan Wat onward the river bed can be followed to Wad (stage 7), 75 miles. This route is not so good, but it has the advantage of good water, fuel and grazing, allowing camp to be pitched anywhere on the way. No supplies and no regular stages. This route cannot be followed in the rainy season owing to the river being in flood.

Note.—There is a choice of 5 routes from the north side of the Barra Pass to Nal (stage 9). They are:—

	Miles.
(a) <i>Via</i> Hussain Pir and Hazarganji	61
(b) <i>Via</i> Wad and Kulan	58
(c) <i>Via</i> Drakalo and Kalok	50
(d) <i>Via</i> Drakalo and a track which branches south-west from (c)	56
(e) <i>Via</i> Wad, Gurru and Hazarganji	63

Section B.

ROUTE No. 19—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
				<i>Distances approximate only.</i>		
6. Drakalo (4,038').	9	70	Camels.	<i>Road.</i> —Ascent of Polar Pass 5-7 miles is difficult for laden animals. <i>Camp.</i> —On plain near Drakalo village.	<i>Water.</i> —Good from wells. <i>Supplies.</i> —Practically nil <i>Fuel.</i> —Scanty. <i>Camel-grazing.</i> —Good. <i>Bhusa.</i> —A considerable amount can be collected in harvest time.	
7. Wad (4,000').	14	84	Camels.	<i>Road.</i> —Over the Drakalo plain, difficult only in wet weather. <i>Camp.</i> —A abundant choice of camping grounds near the village.	<i>Water.</i> —Abundant. <i>Supplies.</i> —For a native regiment for 1 day, a considerable amount, more could be collected on notice. <i>Grazing.</i> —Abundant.	
<i>Note.</i> —Alternative route <i>via</i> Hazarganji to Nal goes off north-west, easy for camel transport; water, fuel and forage plentiful.						
8. Kulan (4,450').	19	103	Camels.	<i>Road.</i> —Easy for camel transport. <i>Camp.</i> —On Kulan nala, no details.	<i>Water.</i> —Scarce and brackish from a pool or by digging. <i>Supplies.</i> —nil. <i>Grazing and fuel.</i> —Scarce.	
9. Nal (3,834').	12	115	Camels.	<i>Road.</i> —2 miles in middle of this stage are rough and a little difficult, otherwise stage is easy for camels. <i>Camp.</i> —Between <i>Banias</i> and <i>Sardars</i> villages on stony ground, other camping grounds available in the vicinity.	<i>Water.</i> —Good. <i>Supplies.</i> —Of all sorts plentiful. Several hundred maunds of <i>ata</i> and grain obtainable. <i>Fuel.</i> —Plentiful. <i>Camel-grazing.</i> —Plentiful.	
10. Tegab (4,100').	10	125	Camels.	<i>Road.</i> —Easy for camels <i>Camp.</i> —400 feet square at foot of low hills surrounded by jungle.	<i>Water.</i> —Always good and abundant. <i>Supplies.</i> —Practically nil. <i>Camel-grazing.</i> —Very good. <i>Grass.</i> —A little obtainable.	
11. Lukh river (4,250').	4½	12½	Camels.	<i>Road.</i> —Easy for camels. <i>Camp.</i> —About ½ mile up the Lukh river, probably for a Brigade.	<i>Water.</i> —Generally sufficient for brigade. <i>Supplies.</i> —Nil. <i>Fuel and grazing.</i> —Abundant.	
12. Gerai Nala (4,900').	13	142½	Camels.	<i>Road.</i> —A very trying march for men and animals. <i>Camp.</i> —At junction of the Gerai and Gidar Dhor.	<i>Water.</i> —For a Brigade from pools, The water from the Gerai is best drinking. <i>Supplies.</i> —Nil. <i>Grazing and Fuel.</i> —Abundant.	

Section B.

ROUTE No. 19—contd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
13. Shahdadzai (5,190').	15	157 ₂	Camels.	<i>Road.</i> —Only difficult in wet weather. <i>Camp.</i> —No details. Alternative camp with fuel and camel-grazing at 11 miles.	<i>Water.</i> —Abundant <i>Supplies.</i> —Perhaps for 50 sepoys for one day. <i>Fuel.</i> —Scarce. <i>Grazing.</i> —Good.	
14. Chad (5,300').	12 ₄	170	Camels.	<i>Road.</i> —Good camel tracks, in wet weather the best track leads along foot of hills on east of plain and passes village at 5 miles with unlimited water. <i>Camp.</i> —No details.	<i>Water.</i> —Sufficient for a Brigade from wells, animals can be watered from river pools, but at some distance. <i>Supplies.</i> —Given a fair harvest supplies for a brigade for one day, could be collected from Chad plain. <i>Fuel.</i> —Obtainable. <i>Camel-grazing.</i> —Abundant.	
15. Surab (5,786').	15	185	Camels.	<i>Road.</i> —Very easy. There are several tracks all easy except in wet weather. <i>Camp.</i> —For a regiment.	<i>Water.</i> —From <i>karez</i> s for at least a regiment. <i>Supplies.</i> —In good years could be collected from the Surab valley in fair quantity. <i>Fuel and bhusa.</i> —Procurable. <i>Camel-grazing.</i> —Good.	

Note.—From Shahdadzai to Surab there is an alternative route *via* Gidar, not quite so easy and 2 miles longer, but more supplies are available at Gidar, with water, fuel and grazing.
C309GSE

Section B.

ROUTE No. 19-A.

FROM KARACHI TO LAS BELA *via* UTHAL.

[Reference.—B-45, Routes in Southern Baluchistan, Route No. 94.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Magar Pir ..	10	10	Camels.	<i>Road.</i> —Passable for all arms, heavy after rain for wheeled traffic. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Limited, dependent on rain fall. <i>Forage.</i> —Dependent on rainfall.	
2. West Hab ..	9½	19½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Good from river <i>Supplies and grazing.</i> —Depend on rainfall.	
3. Pabuni Chauki.	12¼	32¾	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Fairly plentiful. <i>Supplies, etc.</i> —Dependent on rainfall.	
4. Mobar ..	6¾	39¼	Camels.	<i>Road.</i> —Good for camels. <i>Camp.</i> —No details.	<i>Water.</i> —Depends on rainfall, very brackish and limited after drought. <i>Supplies.</i> —Nil. <i>Grass.</i> —Nil. <i>Camel-grazing.</i> —Obtainable.	
5. Vindar ..	9¼	49	Camels.	<i>Road.</i> —Fit for camel transport. <i>Camp.</i> —No details.	<i>Water.</i> —Good, amount depends on rainfall. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Abundant. <i>Fodder and grazing.</i> —Plentiful after rain.	
6. Buhar ..	14	63	Camels.	<i>Road.</i> —Passable all arms but heavy for wheels after rain. <i>Camp.</i> —No details.	<i>Water.</i> —Slightly brackish from wells. Limited. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Grass.</i> —Nil. <i>Camel-grazing.</i> —Scarce.	
7. Uthal .. (148 feet).	13¼	76¼	Camels.	<i>Road.</i> —Good and level. <i>Camp.</i> —Level and extensive, near rest-house.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Plentiful in good season. <i>Fuel.</i> —Abundant. <i>Forage.</i> —Dependent on rainfall, after good rains supplies are plentiful.	
8. Wyaro ..	19½	95¾	Camels.	<i>Road.</i> —Narrow in parts, but no difficulty for camel transport. <i>Camp.</i> —Fairly large.	<i>Water.</i> —Slightly brackish. <i>Supplies.</i> —Obtainable on notice, amount depends on rain fall. <i>Fuel.</i> —Plentiful. <i>Forage, etc.</i> —Depends on rain fall.	

Section B.

ROUTE No. 19A.—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
9. Pir Tiara ..	7½	103½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —Extensive camping-ground.	<i>Water.</i> —Good, supply depends on rainfall. <i>Supplies.</i> —Nil <i>Fuel and camel-grazing.</i> —Plentiful.	
10. Bela .. (350 feet).	10	113½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —In fair quantity. Several hundred maunds <i>jowari</i> always in store.	

Note.—This route has suffered much from want of rain in recent years. After good rains there should be no difficulty in obtaining ample supplies of grain and forage. At present the inhabitants have early all migrated (1907).

Section B.

ROUTE No. 19-B.

FROM KARACHI TO LAS BELA *viâ* SONMIANI.

[Reference.—B-45, Routes in Southern Baluchistan, Routes Nos. 91-95.]

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
1. Hab River..	15½	15½	Camels.	<i>Road.</i> —Fit for camels and field artillery in fine weather, but practically impassable in wet. <i>Camp.</i> —No details.	<i>Water.</i> —Good and always obtainable from river. <i>Supplies.</i> —Nil.
2. Bahwani River.	7½	22½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Good and always procurable, but not sufficient for large force. <i>Supplies.</i> —Nil.
3. Lak ..	8½	31½	Camels.	<i>Road.</i> —As before, but more broken up and intersected with <i>nalas</i> . <i>Camp.</i> —No details.	<i>Water.</i> —Limited and brackish after drought. <i>Supplies.</i> —Nil.
4. Amoh ..	11	42½	Camels.	<i>Road.</i> —As before in stages 1 and 2. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful, becomes brackish after drought. <i>Supplies.</i> —Nil.
5. Sonmiani ..	7	49½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Scarce and brackish. <i>Supplies.</i> —Obtainable in fair quantities.
6. Cheru ..	11½	60½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Always procurable in bed of <i>nala</i> , but brackish after drought. <i>Supplies.</i> —Nil.
7. Liari .. (80 feet).	8½	69½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —Extensive ground for camping in vicinity of village.	<i>Water.</i> —From tank sufficient for one battalion with transport. <i>Supplies.</i> —50 maunds <i>ata</i> and 150 maunds <i>jowari</i> without notice. <i>Fuel and camel-grazing.</i> —Plentiful.
8. Sheh .. (103 feet).	12½	81½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Scarce, enough for 2 Companies. During drought is most unwholesome. <i>Supplies.</i> —10 maunds <i>ata</i> , 50 maunds of rice and <i>jowari</i> . <i>Fuel and camel-grazing.</i> —Abundant.
9. Mangia .. (190 feet).	17	98½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —Ample choice of extensive camping ground.	<i>Forage.</i> —Usually plentiful. <i>Water.</i> —Good and abundant. <i>Supplies.</i> —Nil.
10. Bela .. (347 feet).	11	109½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Obtainable in fair quantity. Several hundred maunds <i>jowari</i> always in store.

Section B.

ROUTE No. 20.

FROM LAS BELA TO QASRQAND *via* TURBAT AND PISHIN.

[Reference B.-45.—Routes in Southern Baluchistan, Route Nos. 100, 60, 103.]

[Reference.—Routes in Persia, Volume IV. Routes Nos. 31, 33, 38.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Akri (660').	5½	5½	Camels.	<i>Road.</i> —No difficulty for camel transport. <i>Camp.</i> —At Akri, north, 1 mile distant at Naka.	<i>Water.</i> —Good from well. <i>Supplies.</i> —Nil. <i>Camel-grazing.</i> —Procurable.	
2. Kumbh-i-Shirin (1,260').	9½	15½	Camels.	<i>Road.</i> —A difficult and steep ascent over the Jhao Lak. <i>Camp.</i> —Limited space.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Nil. <i>Grass.</i> —Scarce.	
3. Mar river, (1,300').	10	25½	Camels.	<i>Road.</i> —Difficult for laden camels at 1½ miles, otherwise no difficulty. <i>Camp.</i> —On west bank of river.	<i>Water.</i> —Plentiful from river. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Obtainable. <i>Camel-grazing.</i> —Obtainable.	
4. Sepoy Sing	11½	37½	Camels.	<i>Road.</i> —A narrow and a difficult ascent in first mile and at 3 miles through Sitara defile, otherwise fair camel track. <i>Camp.</i> —Excellent on Ara plain.	<i>Water.</i> —Only after good rains, otherwise camp should be at Ara river and not at Sepoy Singh. <i>Camel-grazing and grass.</i> —Good. <i>Supplies.</i> —Nil.	
5. Manro (1,020').	4½	42	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —On west bank of Manro river.	<i>Water.</i> —Plentiful from river. <i>Supplies.</i> —Nil. <i>Fuel and camel-grazing.</i> —Abundant.	
6. Kuragi (1,200').	15½	57½	Camels.	<i>Road.</i> —No difficulty for camel transport. <i>Camp.</i> —On east bank of Nal river.	<i>Water.</i> —Good and plentiful from river. <i>Supplies.</i> —Nil. <i>Camel-grazing.</i> —Abundant.	
7. Ziarat (1,540').	11½	68½	Camels.	<i>Road.</i> —Stony and difficult defile at 8½ miles. <i>Camp.</i> —Small, beneath high hills.	<i>Water.</i> —Fair, said to be perennial. <i>Supplies.</i> —Nil. <i>Fodder.</i> —Nil.	
8. Pau river (1,500').	15½	84	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —On level stretch 3 furlongs north-east of river.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Fodder.</i> —Abundant.	

Section B.

ROUTE No. 20—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS
9. Burburu, (1,810').	9½	93½	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —Excellent.	<i>Water.</i> —Good and perennial from pool. <i>Supplies.</i> —Nil. <i>Fuel and camel-grazing.</i> —Obtainable.	
10. Mand-i-Parag (2,100')	10	103½	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —Extensive and open, but rather stony.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Nil. <i>Fuel and camel-grazing</i> —Scarce near camp, but excellent 2 miles distant in Kolwa valley. <i>Grass.</i> —A little coarse grass near camp in <i>nalas</i> .	
11. Jalambi (2,050').	19	122½	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —Extensive and open, but rather stony.	<i>Water.</i> —Plentiful for 1,000 animals from pools in <i>nala</i> , also stream from spring, 2" to 3", ½ mile per hour. <i>Supplies.</i> —Nil. <i>Fuel and camel-grazing.</i> —Excellent, one mile north of camp. A few sheep and goats. <i>Grass.</i> —Coarse but plentiful.	
12. Parag.	12	134½	Camels.	<i>Road.</i> —Good throughout but soft going. <i>Camp.</i> —Good 2 square miles, open, rather stony.	<i>Water.</i> —From wells, sufficient in cold weather for at least 600 animals. <i>Supplies.</i> —Nil. <i>Camel grazing and fuel.</i> —Abundant. <i>Grass.</i> —Abundant, but coarse, good grass can be cut from hills.	
13. Balor, (2,200').	15	149½	Camels.	<i>Road.</i> —No difficulty for camels. <i>Camp.</i> —Confined and very stony.	<i>Water.</i> —From spring and pools; also stream 5" by 4", ¼ mile per hour. <i>Water.</i> —Stands in channels and pools sufficient for 600 animals. <i>Supplies.</i> —Nil. <i>Camel-grazing.</i> —Good. <i>Fuel.</i> —Plentiful. Coarse grass plentiful from valley, 2 or 3 miles distant.	
14. Gumbaz ..	13	162½	Camels.	<i>Road.</i> —Good going, not passable for artillery in first 2 miles. <i>Camp.</i> —Penty of ground for camping.	<i>Water.</i> —For 100 men and animals easily; for larger party camels would have to be put on short ration. <i>Camel-grazing and fuel.</i> —Abundant. <i>Grass.</i> —Plentiful but coarse.	

Section B.

ROUTE No. 20—contd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
15. Tank, (1,950').	11	173½	Camels.	<i>Road.</i> —Alternately sandy and stony but good for camels. <i>Camp.</i> —In stony river bed near water or ½ mile away on open level ground.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Nil. <i>Camel-grazing.</i> —Excellent. <i>Fuel.</i> —Abundant.	
16. Rah-i-Awaran.	13	186½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —On stony ground on north bank of river.	<i>Water.</i> —Good and unlimited. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Camel-grazing.</i> —Excellent.	
17. Sohrab-i-Bent (1,550)	11	197½	Camels.	<i>Road.</i> —Track good, but difficult marching off the road. <i>Camp.</i> —On north bank of river patches of ground averaging 50' by 70'.	<i>Water.</i> —Good and unlimited. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Excellent. <i>Fuel.</i> —Abundant.	
18. Sami ..	15	212½	Camels.	<i>Road.</i> —Stony and rough throughout. <i>Camp.</i> —Good open and level.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Dates plentiful, <i>ata</i> and rice in very small quantities. <i>Fuel.</i> —Abundant.	
19. Turbat ..	24	236½	Camels.	<i>Road.</i> —Good throughout, but very stony going off the actual track. <i>Camp.</i> —Unlimited ground.	<i>Water.</i> —Good and plentiful. <i>Fuel.</i> —Plentiful. <i>Camel-grazing.</i> —Good, distant 1 or 2 miles. <i>Supplies.</i> —Obtainable. <i>Transport.</i> —A few camels and donkeys procurable.	

Note.—Alternative stages from Rah-i-Awaran to Turbat.

17. Hirok .. 16 .. } *Water* good and plentiful. *fuel, grass* and a few supplies.
18. Shorak .. 16 .. } *Water* from *karezes*. *Fuel* and *camel-grazing* abundant. *Supplies* in
19. Turbat .. 18 .. } small quantities.

20. Kalatuk ..	10	246½	Camels.	<i>Road.</i> —Stony and bad for marching, troops must move on narrow front. <i>Camp.</i> —Plenty of ground.	<i>Water.</i> —Good. <i>Supplies.</i> —Nil. Dates staple produce. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Good.	
21. Nasirabad	12	258½	Camels.	<i>Road.</i> —Over sandy track fit for camels. <i>Camp.</i> —No details. <i>Intermediate camp.</i> —With <i>fuel</i> and <i>water</i> at Nodiz (8 miles).	<i>Water.</i> —From stream except in dry weather when it is limited from wells. <i>Supplies.</i> —Scarce locally. Procurable on notice from district. <i>Fuel</i> and <i>Camel-grazing.</i> —Plentiful.	

Section B.

ROUTE No. 20—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
22. Bala-Chah	10½	269	Camels.	<i>Road.</i> —Over stony ground, progress slow and troops would be obliged to march in single file for the greater part of this stage. <i>Camp.</i> —No details.	<i>Water.</i> —From pools and small stream in wet weather otherwise limited from wells. No water <i>en route</i> . <i>Supplies.</i> —Very scarce. <i>Fuel.</i> —Procurable.	
23. Tump (445').	9	278	Camels.	<i>Road.</i> —For first 3 miles over sand, then over stony barren plain, easier for troops than preceding stage. <i>Camp.</i> —South of fort, unlimited ground.	<i>Water.</i> —From well in fort and from river. <i>Supplies.</i> —Scarce. <i>Camel-grazing.</i> —Good for 1,000 camels. <i>Forage.</i> —Scarce. <i>Fuel.</i> —Scarce.	
24. Dokop ..	12	290	Camels.	<i>Road.</i> —Fit for camels and possible for artillery. <i>Camp.</i> —Ample for 2 brigades.	<i>Water.</i> —From well scant. In wet weather from pools in river bed. <i>Supplies.</i> —Nil. <i>Fuel and camel-grazing.</i> —Plentiful.	
25. Gaiab ..	10½	300½	Camels.	<i>Road.</i> —No difficulty. Possible for field artillery. <i>Camp.</i> —Unlimited ground.	<i>Water.</i> —Good and plentiful from <i>karez</i> s. <i>Supplies.</i> —Limited quantity of wheat and barley (say 30 maunds), 2 <i>Bania</i> 's shops. <i>Fuel.</i> —Scarce. <i>Grazing.</i> —For about 1,000 camels.	
26. Pishin, (710').	20	320½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —On open space between date groves. <i>This.</i> —Long stage might be broken up by halting at Ridi (14 miles) where there is good woad, fuel and camel-grazing and abundant space for encampment.	<i>Water.</i> —From <i>karez</i> s. <i>Supplies.</i> —Can be collected on notice. <i>Fuel and camel-grazing.</i> —Plentiful.	
27. Jakki Kaur	13	336½	Camels.	<i>Road.</i> —Easy up to 10 miles then difficult for camels and for field artillery. <i>Camp.</i> —On open ground commanded by hills.	<i>Water.</i> —Abundant from running stream. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scarce.	The Persian border is crossed near Pishin.
28. Bafatan. (1,286').	10	346½	Camels.	<i>Road.</i> —Good camel road fit for artillery. <i>Camp.</i> —For a brigade.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Rice and dates procurable. <i>Fuel and camel grazing.</i> —Procurable at a distance.	

Section B.

ROUTE No. 20—concl'd.

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
29. Kij Hugin	8 354½	Camels.	<i>Road.</i> —No details. <i>Camp.</i> —No details.	<i>Water and supplies.</i> —No information.	
30. Gazani ..	12 366½	Camels.	<i>Road.</i> —Very rough, but probably fit for camels. <i>Camp.</i> —No details.	<i>Water.</i> —No information. <i>Supplies.</i> —Nil. <i>Grass, fuel, etc.</i> —No information.	
31. Gazlang ..	14 380½	Camels.	<i>Road.</i> —Rough ascents and descents. <i>Camp.</i> —No details.	<i>Water.</i> —No information. <i>Supplies.</i> —Nil.	
32. Qasrqand (1,770').	17 397½	Camels.	<i>Road.</i> —No details. <i>Camp.</i> —No details.	<i>Water.</i> —Unlimited from river. <i>Supplies.</i> —Of all kinds in quantities. <i>Fuel and forage.</i> —Abundant.	

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Section B.

ROUTE No. 21.

FROM NUSHKI TO KUH-I-MALUK-SIAH *via* THE TRADE ROUTE.

[Reference.—B-45, Route: in Southern Baluchistan, Route No. 5.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Ahmedwal	11	11	Carts.	<p><i>Road.</i>—Passable for wheeled transport in dry weather, in wet weather it would be impassable for carts and camels.</p> <p><i>Camp.</i>—By serai, no details.</p>	<p><i>Water.</i>—150,000 gallons per diem of good water.</p> <p><i>Supplies.</i>—Nil, could be arranged for from Nushki.</p> <p><i>Fuel.</i>—Scarce.</p> <p><i>Grazing.</i>—For unlimited number of camels.</p>	
2. Mall ..	23	34	Carts.	<p><i>Road.</i>—As before, but in wet weather camels could avoid bad places by making a detour.</p> <p><i>Camp.</i>—Good, on <i>pat.</i></p>	<p><i>Water.</i>—In May 1905 sufficient for 500 camels, 3 times per day and 700 men and 100 horses. Supply could probably be increased by deepening wells.</p> <p><i>Grass.</i>—Abundant for cavalry division.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Camel-grazing.</i>—Good.</p>	
3. Kuchaki Chah.	46	50	Carts.	<p><i>Road.</i>—As before.</p> <p><i>Camp.</i>—Extensive encamping-ground.</p>	<p><i>Water.</i>—Good, wells capable of extension and improvement.</p> <p><i>Fuel.</i>—Nil.</p> <p><i>Supplies.</i>—Nil.</p>	
4. Padag ..	13	63	Carts.	<p><i>Road.</i>—As before.</p> <p><i>Camp.</i>—Ample ground for encamping.</p>	<p><i>Water.</i>—Indifferent, reported in 1905 as sufficient for 1,000 camels daily.</p> <p><i>Supplies.</i>—Nil; a few sheep.</p> <p><i>Grass and camel-grazing.</i>—Plentiful.</p> <p><i>Fuel.</i>—Scarce.</p> <p><i>Intermediate water.</i>—At 11 miles from <i>Karez</i>, giving 2,000 gallons per hour.</p>	
5. Yadgar Chah (2,900 feet).	23	86	Camels, (Carts.)	<p><i>Road.</i>—Too sandy in places to allow of use of carts.</p> <p><i>Camp.</i>—Extensive.</p>	<p><i>Water.</i>—Good and abundant.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel and camel-grazing.</i>—Abundant.</p>	
6. Karodak ..	16	102	Camels, (Carts.)	<p><i>Road.</i>—On the whole passable for field artillery, but difficult in places owing to heavy sand.</p> <p><i>Camp.</i>—Unlimited ground, good intermediate camp with wood and water at 6½ miles.</p>	<p><i>Water.</i>—For 800 camels.</p> <p><i>Intermediate water.</i>—At 3 and 6½ miles.</p> <p><i>Supplies.</i>—Nil; a few sheep.</p> <p><i>Grass.</i>—Abundant.</p> <p><i>Fuel.</i>—Abundant.</p> <p><i>Camel-grazing.</i>—Abundant.</p>	

Section B.

ROUTE No. 21—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
7. Dalbandin (2,920 feet).	18	120	Camels.	<i>Road.</i> —Passable for field artillery, but not fit for carts. <i>Camp.</i> —3 miles north of the Tahsil by a <i>kariz</i> .	<i>Water.</i> —1,200 gallons per hour. <i>Supplies.</i> —Of sheep, cattle and grain abundant. <i>Grass and fuel.</i> —Plentiful. <i>Camel-grazing.</i> —Plentiful.	
8. Chakal ..	19	139	Camels.	<i>Road.</i> —Fit for field artillery. <i>Camp.</i> —Extensive camping-ground. <i>Intermediate camp.</i> —At 9 miles (Luds).	<i>Water.</i> —Sufficient in 1905 for 600 camels, 600 men and 95 horses. At 9 miles is good water, 150 gallons per hour. <i>Supplies.</i> —Nil locally. <i>Fuel and camel-grazing.</i> —Abundant.	
9. Sohtag ..	14	153	Camels.	<i>Road.</i> —Fit for field artillery. <i>Camp.</i> —Extensive camping-ground.	<i>Water.</i> —Bad, sufficient for 300 camels, should be carried from last stage. <i>Supplies.</i> —Practically nil; sheep could be collected in the spring months. <i>Camel-grazing, grass and fuel.</i> —Plentiful.	
10. Merui ..	13	166	Camels.	<i>Road.</i> —More hilly but fit for field artillery. <i>Camp.</i> —Good and extensive camping-ground.	<i>Water.</i> —Abundant and good. <i>Supplies.</i> —Not to be relied on. <i>Grass.</i> —Good and plentiful. <i>Camel-grazing and fuel.</i> —Abundant.	
11. Chah Sandan.	20	186	Camels.	<i>Road.</i> —Fit for field artillery. <i>Camp.</i> —Open ground available.	<i>Water.</i> —For 800 camels from wells and for 400 camels at Sorgaz, 2 miles to the south. <i>Supplies.</i> —Nil <i>Grazing.</i> —Fair.	
12. Tratoh .. (2,800 feet).	23	209	Camels.	<i>Road.</i> —Fit for field artillery, country flat. <i>Camp.</i> —Open ground available.	<i>Water.</i> —For 1,000 animals but very salt. Drinking water bad and scarce, should be brought from previous stage. <i>Grazing.</i> —Fairly plentiful about 3 miles to north. <i>Fuel.</i> —From a distance only.	

Section B.

ROUTE NO. 21—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
13. Nok Kondi or Kundi. (2,250 feet).	2	231	Camels.	<i>Road.</i> —Fit for field artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Brackish, but drinkable, sufficient for 1,000 camels. <i>Supplies.</i> —Nil locally. <i>Fuel.</i> —Scanty. <i>Camel-grazing.</i> —Scanty.	
14. Mushki Chah. (2,600 feet).	22	253	Camels.	<i>Road.</i> —Fit for field artillery. <i>Camp.</i> —No details.	<i>Water.</i> —For 1,000 camels, brackish and not very good from karez, good water for drinking from wells near village. <i>Supplies.</i> —None locally. <i>Camel-grazing.</i> —Scarce. <i>Fuel.</i> —Scanty in vicinity but obtainable in any quantity from distance of 4 miles.	
15. Humai ..	13	266	Camels.	<i>Road.</i> —Over undulating ground, would require preparation to render it fit for artillery. Sand drifts in places. <i>Camp.</i> —Unlimited room.	<i>Water.</i> —For 1,100 camels and 720 men in May 1905. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Indifferent. <i>Fuel.</i> —Scarce.	
16. Borghar Nawar.	24	290	Camels.	<i>Road.</i> —Level but sandy, good going for camels and fit for field artillery. <i>Camping-ground.</i> —Unlimited.	<i>Water.</i> —Very scarce and in summer and autumn practically nil the whole way between Humai (15) and Amalaf (17). <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Poor.	
17. Amalaf ..	17	307	Camels.	<i>Road.</i> —Fit for field artillery. <i>Camp.</i> —Unlimited room.	<i>Water.</i> —Sufficient for Seistan Mission in 1905, brackish, but drinkable. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Grazing.</i> —Fair.	
18. Saindak (3,300 feet).	7	314	Camels.	<i>Road.</i> —Good and flat, rather stony in parts. <i>Camp.</i> —Fit for field artillery flat and open ground available.	<i>Water.</i> —Fair from some wells, very salt in others; distilling apparatus here. Sufficient for 1000 camels. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Abundant. <i>Camel-grazing.</i> —Plentiful. <i>Grass.</i> —Nil.	

Note.—There are two alternative routes from Humai to Amalaf: (a) following telegraph line about 45 miles with no fuel or grazing; (b) via Badshah Chah about 40 miles. This route has the advantage of water in *nala* bed for some weeks or even months in the year, the water is good and sweet, but not permanent and cannot be relied on. At Badshah Chah there is good grazing and plenty of fuel.

Section B.

ROUTE No. 21 —concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
19. Kirtaka . . (3,100 feet).	18	332	Camels.	<i>Road.</i> —Stony, hilly and bad for horses or camels. Passable for field artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Good supply for over 1,000 camels and more in abundance procurable by digging near surface. <i>Fuel.</i> —Scarce. <i>Camel-grazing and grass.</i> Plentiful.	
20. Muham- mad Raza Chah. (3,200 feet).	17	349	Camels.	<i>Road.</i> —A difficult march for laden animals owing to numerous shallow <i>nalas</i> crossing road. Passable for field artillery. <i>Camp.</i> —No details.	<i>Water.</i> —No difficulty in watering 1,000 camels and 750 men in 1905. <i>Supplies.</i> —None locally. <i>Camel grazing.</i> —Here and along route is plentiful.	
21. Kuh-i-Ma- lik Siah. (Kala Ro- bat). (2,800 feet).	24	373	Camels.	<i>Road.</i> —As before but less difficult, liable to damage after rain. Passable for field artillery.	<i>Water.</i> —Unwholesome about 350 gallons per hour from spring, <i>karez</i> , and well. <i>Supplies.</i> —Not to be relied on. <i>Forage and fuel.</i> —Scarce, obtainable from a distance only. <i>Camel-grazing.</i> —In immediate vicinity, nil.	

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Section B.

ROUTE No. 21-A.

FROM NUSHKI TO KHWAJA ALI (ON THE HELMAND RIVER).

[Reference.—Routes in Southern Baluchistan, Route No. 1 and Route: in Afghanistan, S.W.—Route No. 73]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Sinduri ..	10	10	Camels.	<i>Road.</i> —Passes over open sandy ground. <i>Camp.</i> —Unlimited open ground.	<i>Water.</i> —Good from a few wells. <i>Supplies.</i> —N.I. <i>Fuel.</i> —Scarce. <i>Camel grazing.</i> —Scarce.	There are several alternative routes across the Registan desert from Nushki to the Helmand. This route has the best water supply of any guides are essential.
2. Band ..	16	26	Camels.	<i>Road.</i> —Passes over sandy ground crossing the Lora river bed at 6 mile. <i>Camp.</i> —Unlimited open ground.	<i>Water.</i> —Tank 400 yards long by 50 to 100 yard wide formed by a band cross a river bed. This tank is dry in a rainless year from September until the winter rains. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Scarce. <i>Camel grazing.</i> —Scarce.	
3. Zahro ..	17	43	Camels.	<i>Road.</i> —Passes over open sandy ground. Sand drifts might cause delay. <i>Camp.</i> —No details.	<i>Water.</i> —110 shallow wells about 5 feet deep. Tot 1 contents about 5,000 gallons and would refill twice within 24 hours. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Abundant.	At mile 10, at Umar Shah, there is a tank about 180 yards by 70 yards, water is foul and full of guinea worms.
4. Kani ..	19½	62½	Camels.	<i>Road.</i> —Leads towards Kani hills over sandy plain. <i>Camp.</i> —No details ..	<i>Water.</i> —6 wells of excellent water in sand hills 1½ miles from edge of the pat. 270 gallons an hour was drawn from main well for 2 days without exhausting well. Remaining 5 wells gave out in a few hours and had to be given rest to refill. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Camel grazing.</i> —Abundant.	
5. Humai ..	15	77½	Camels.	<i>Road.</i> —Passes over a hard level plain. <i>Camp.</i> —Unlimited open ground.	<i>Water.</i> —Is about 2 feet below surface, consequently any number of wells can be dug. <i>Supplies.</i> —About 300 sheep in vicinity. <i>Camel grazing.</i> —Abundant and unusually green.	Pass the Moghal Kand ^{ditto} 2 miles long, <i>en route</i> . Drifts file practicable for all arms, there being only one short and fairly easy gradient.

Section B.

ROUTE No. 21 A.—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
6. Galur ..	12½	89¾	Camels.	<p><i>Road.</i>—Crosses the Kanuk range by the Humai defile; Kotal passed at 2 miles. Road ascends pass by heavy gradient for 300' on to a sandy plateau and descends down greatly sloping sand drifts. Beyond, hard stony plain to end of next stage.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—From 2 <i>nawars</i> and 1 well in the rock. <i>Nawars</i> mile apart. Rozani spring 1½ miles to the east. 25 gallons an hour can be drawn from the <i>nawars</i>, any number of which can be dug.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—No details.</p> <p><i>Camel-grazing.</i>—No details.</p>	Water from Rozani spring is in crystalline rock 3' below surface of sand. Water inehaustible.
7. Shah Ismail (3,830').	14	103¾	Camels.	<p><i>Road.</i>—Practically flat over sand and black shale.</p> <p><i>Camp.</i>—No details ..</p>	<p><i>Water.</i>—2 feet below surface of the ground. Excellent water from a well with ample flow.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Firewood procurable.</p> <p><i>Camel-grazing.</i>—Nil.</p>	The inhabitants say that grass of 2 varieties can be found some distance north and south of camp.
8. Salihan ..	17	120¾	Camels.	<p><i>Road.</i>—Leads west by south approaching the hills. Good travelling over low sand hills and the usual stony plain. At 11 miles Chah Suleiman, good camping-ground and grazing. at 14½ mile cross low Kotal at 17 miles small gorge.*</p> <p><i>Camp.</i>—Open space affording good but shall camping ground.</p>	<p><i>Water.</i>—34 wells. Total amount standing water 8,000 gallons which could be largely increased. In January 1903 there was a large supply of water in a running stream in a tangi.</p>	*Gorge 600' long, going rocky and rough. 1 Company Sappers and Miners with tools and dynamite could make good road through gorge in 2 days.
9. Muzhdan ..	11	131¾	Camels.	<p><i>Road.</i>—At 2 miles cross low Kotal, then across almost bare plain. Latter half of march several <i>shelas</i> are crossed.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—20 wells of all sizes holding 7,800 gallons of water. Water brackish—wells refill tolerably rapidly.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Nothing appreciable.</p> <p><i>Camel-grazing.</i>—Nil.</p>	
10. Mamu ..	13	144¾	Camels.	<p><i>Road.</i>—First crosses stony plain at 5 miles sandy valley, the various plains divided by occasional sand hills. Road excellent.</p> <p><i>Camp.</i>—Very good on open plain."</p>	<p><i>Water.</i>—Abundant but saline from shallow wells and flowing stream.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Firewood abundant.</p> <p><i>Camel-grazing.</i>—Excellent.</p>	Throughout march the hill Malik Ibrahim or Dokand is conspicuous object in front.
11. Gallachah.	14	158¾	Camels.	<p><i>Road.</i>—For first 2 miles winds through low undulations, then across plain skirting low hills on the right.</p> <p><i>Camp.</i>—Near <i>ziarat</i> on open plain.</p>	<p><i>Water.</i>—14 existing wells total contents if untouched for 24 hours 5,000 gallons. Numerous wells could easily be sunk. Water is under 6" stratum of sandstone.</p>	At 3½ miles cross watershed, highest point on the whole road, elevation nearly 4,600'.

Section B.

ROUTE NO. 21 A.—*concl.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
12. Garmuahki.	31	189½	Camels.	<p><i>Road.</i>—Across waterless, <i>lut</i> good hard and level, at 26 miles Jalal Khan Nawar where Mission halted in 1903.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—Lies quite near the surface and could probably be obtained in large quantities by digging.</p>	
13. Khwaja Ali (lower).	26	215½	Camels.	<p><i>Road.</i>—For first 12 miles difficult owing to drift sand. Very difficult for guns. Then soil becomes hard baked clay changing to stony <i>lut</i>.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—From Helmand river.</p> <p><i>Supplies.</i>—Nothing appreciable, only 70 houses in village, but 300 sheep normally available.</p> <p><i>Fuel.</i>—From <i>gas</i> bushes.</p> <p><i>Camel grazing.</i>—No details.</p>	

Section B.

ROUTE No. 21-B.

FROM NUSHKI TO LANDI WALI MD. AMIN (ON THE HELMAND RIVER).

[Reference.—Routes in Southern Baluchistan, Route No. 1 and Routes in Afghanistan, S.-W., Routes Nos. 77 & 73.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1 to 3 to Zahro.	..	43	See Route No.	21-A., stages 1 to 3.		
4. Wali Chah..	18	61	Camels.	Road.—Well 'eaten and well marked track leading north-west by west. Camp.—No details.	Water.—Well 30' deep—good and plentiful supply. Supplies.— } No details. Fuel.— } Camel grazing.—Good supply <i>faghaz</i> and grass.	Small settlement here in winter of Mingal Brahuis.
5. Razani	28	89	Camels.	Road.— } No details. Camp.— }	Water.—From a very deep well (300') good and plentiful, no other details.	
6. Nawab Khan Chah.	18	107	Camels.	Road.—No details. Camp.—In a depression 10 to 15 acres in area surrounded by sand hills.	Water.—From a well 56' deep containing 4' water. Supply inexhaustible, no other details.	Winter encampment of Nutzai Mingals.
7. Gazin Nawar (3,132').	19½	126½	Camels.	Road.—Direction north-west, well defined track across black <i>pat</i> . Excellent going. Camp.—¾ mile east of the track.	Water.—After rain about 40,000 gallons in the <i>nawar</i> . Wells could also be dug. Supplies.—Nil. Fuel.— } Scanty. Camel graz- } ing.— }	
8. Paniham (2,472').	13½	139¾	Camels.	Road.—Direction north-west leading on Koh-i-Khan Nashin which is clearly visible. Going good throughout for baggage animals. Camp.—No details.	Water.—Pool here varies from 2½' to 1' in depth to containing from 30,000 to 15,000 gallons water. Wells could also be dug in the <i>nala</i> . Supplies.—Nil. Fuel.— } Procur- Camel grazing.— } able.	
9. Landi Mohammed Amin (1962')	19½	159¼	Camels.	Road.—Direction north-west. Road over sandy plateaux with occasional heavy going for 12½ miles. Track then descends into Helmand valley crossing cultivated fields.	Water.—From the Helmand. Supplies.—Plentiful due to irrigated lands. Fuel.— } No details Camel- } but prob- grazing.— } ably exist.	River here 200' wide and 3', 6" deep, with a ford 3' deep. No boats. River crossed by <i>massacks</i> . Much cultivation due to fruitful soil and water from the Helmand.

Section B.

ROUTE No. 22.

FROM CHARJUI TO KERKI.

[Reference.—Military Report on Russian Turkistan, page 108, Route (xvii) Herat Line of Advance].

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
1. Sakar ..	7·8	7·8			<p>This is the main route to Kerki, unmetalled but flat and suitable for artillery and wheeled transport throughout, although in stages 4 to 8 there is heavy sand which would delay transport.</p> <p><i>Water and Fuel.</i>—Is plentiful.</p> <p><i>Supplies.</i>—Are probably but little more than sufficient for the population though in good years there might be a surplus of fodder.</p> <p><i>Transport.</i>—Is obtainable in considerable quantity, say 2,000 donkeys, 1,500 horses and 2,000 camels.</p>
2. Charchanli	14·6	22·4			
3. Yin Saltik	16·6	39			
4. Kuraish	14·6	53·6			
5. Dasht Kud	14·6	68·2			
6. Palvert	11·9	80·1			
7. Chakir	12·6	92·7			
8. Ak Tyube	13·3	106			
9. Chakir	13·6	119·6			
10. Kerki (859').	12·6	132·2			

Section C.

ROUTE No. 1.
FROM KABUL TO BAMIAN.

[Reference—Routes in Afghanistan N. E., Route No. 32.]

State.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
1. Kala Kazi	7½ | 7½	Camels.	<i>Road.</i> —Excellent, passable for all arms. <i>Camp.</i> —Difficult to find owing to cultivation.	<i>Water.</i> —From irrigation channels. <i>Supplies.</i> —Plentiful.	
2. Arghandi	7½ | 15	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —Plenty of encamping ground east of village.	<i>Water.</i> —Excellent and plentiful. <i>Supplies.</i> —Abundant.	
3. Kot Ashru	8½ | 23½	Camels.	<i>Road.</i> —Crosses, Safed Khak Pass passable but difficult for artillery. Otherwise good. <i>Camp.</i> —For a brigade on left bank of river.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Cattle and sheep. About 8,200 maunds of wheat and barley annually. <i>Fuel.</i> —Fairly plentiful.	
4. Jalrez ..	9½ | 33½	Camels.	<i>Road.</i> —Good for camels; passable for field artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Plentiful, also sheep and cattle. <i>Fuel.</i> —Abundant.	
5. Hanz-i-Mahya.	8 | 41½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —Room for a brigade of infantry by scattering units. Much cultivation.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Plentiful. <i>Lucerne.</i> —Plentiful.	
6. Jaokul ..	14½ | 56	Camels.	<i>Road.</i> —Rocyy and steep in places. <i>Camp.</i> —Ground heavily cultivated; room for one battalion by a serai north of road.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Fairly plentiful. <i>Fuel.</i> —Scarce. <i>Grazing.</i> —For horses and camels obtainable.	
7. Gardan-Diwal.	5½ | 61½	Camels.	<i>Road.</i> —Passable for field artillery, Bridge at 5½ miles requires strengthening. <i>Camp.</i> —On right bank of river on plateau 300 yards wide and of considerable length.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Scanty.	
8. Kharzar ..	11 | 72½	Camels.	<i>Road.</i> —Practicable for camels and field artillery. <i>Camp.</i> —100 yards by 150 yards.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Plentiful from surrounding country on notice. <i>Fuel.</i> —Scarce. <i>Grass.</i> —Abundant.	
9. Kala Topchi	10 | 81½	Camels.	<i>Road.</i> —Practicable for pack transport but difficult for guns. <i>Camp.</i> —Good camping-ground on right bank of the Bamian river.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —For 2,000 horsemen for one day said to be obtainable in the neighbourhood. <i>Fuel.</i> —Obtainable. <i>Grass.</i> —Excellent.	
10. Bamian Kala Sarkari or Taibut.	7 | 88½	Camels, Carts.*	<i>Road.</i> —Good along left bank of river and is a cart road all the way with the exception of about ¼ mile which requires re-alignment. <i>Camp.</i> —For a brigade at least.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Fair quantities obtainable. <i>Fuel.</i> —Obtainable but not plentiful. <i>Grazing.</i> —Fair.	

Note.—Another route leaves from Kharzar via the Hajigak Kotai to Zohak; this route has been improved and is fit for camels and is now the main route into Bamian, the old route leading via Jandargal to Irak.

Section C.

ROUTE No. 1-A.

FROM KABUL TO DAULAT YAR.

[Reference.—Routes in Afghanistan N. E., Route No. 49.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
Stages 1—6.	..	56	Camels.	<i>Cf.</i> —Kabul to Bamian	Route No. 1.	
7. Fara Khulim	9	65	Camels.	<i>Road.</i> —Easy for camels. <i>Camp.</i> —For a brigade near the <i>sarai</i> .	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Scanty. <i>Fuel.</i> —Sufficient for a brigade.	
8. Badasiab (10,260')	12½	77½	Camels.	<i>Road.</i> —Very steep, gradients in places. <i>Camp.</i> —Ample for a division.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Rations for 12,000 Afghan troops were collected here in 3 days in August 1888. <i>Lucerne.</i> —Abundant. <i>Fuel.</i> —Scanty. <i>Camel-grazing.</i> —Abundant.	
9. Rakhol (9,800')	13	90½	Camels.	<i>Road.</i> —Good, passable for all arms. <i>Camp.</i> —For 2 brigades if units scattered.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Fair quantity <i>Lucerne.</i> —Obtainable. <i>Grazing.</i> —For 2,000 animals for one day.	
10. Maidan Pai Kotal (10,200')	10½	101½	Camels.	<i>Road.</i> —Difficult from 5 miles onwards even for pack transport. <i>Camp.</i> —Sufficient for a division.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Scarce. <i>Fuel.</i> —Scarce. <i>Grass.</i> —For 500 animals for 3 days. <i>Grazing.</i> —For 1,000 camels. <i>Lucerne.</i> —Small quantities.	
[Reference—Routes in Afghanistan N. W.—Route No. 58.]						
11. Markhana (10,200')	14	115½	Camels.	<i>Road.</i> —Stony with some severe gradients, fit for camels. <i>Camp.</i> —For 2 battalions 1½ mile west of <i>serai</i> , room for a brigade by scattering units.	<i>Water.</i> —Plentiful from river. <i>Supplies.</i> —Scarce. <i>Lucerne and grass.</i> —For 500 animals for one day <i>Camel-grazing.</i> —A little.	
12. Kala-i-Nao (10,100')	18½	134	Camels.	<i>Road.</i> —Good and passable for guns up to 12½ miles then in places difficult with steep gradients. <i>Camp.</i> —For 2 battalions	<i>Water.</i> —Abundant supply. <i>Supplies.</i> —Very scarce. <i>Grass.</i> —Good. <i>Fuel.</i> —Shrubs only.	
13. Panjao (9,200')	9½	143½	Camels.	<i>Road.</i> —Good on the whole, but difficult for wheels over the <i>Khar-kosh</i> Pass at 4½ miles. <i>Camp.</i> — or one battalion, the valley being very narrow.	<i>Water.</i> —From the stream. <i>Supplies.</i> —Wheat and barley could probably be obtained on notice from surrounding valleys. <i>Grass.</i> —Abundant. <i>Camel-grazing.</i> —Fair.	

ROUTE No. 1-A—contd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
14. Sharistan.	15½	158½	Camels.	<i>Road.</i> —Fit for camels <i>Camp.</i> —For ½ brigade.	<i>Water.</i> —Abundant from the stream. <i>Grass.</i> —Between May and September for 3,000 animals. <i>Fuel.</i> —Scarce. <i>Supplies.</i> —Not to be relied on. Sheep plentiful.	
15. Komaghai	22	180½	Camels.	<i>Road.</i> —Long and difficult stage over 5 passes, not practicable for guns at present. <i>Camp.</i> —For a brigade one mile east of village	<i>Water.</i> —Abundant. <i>Supplies.</i> —25 maunds barley and 15 of wheat flour collected here in June 1904. Sheep plentiful. <i>Grass.</i> —For 3,000 animals in summer. <i>Camel-grazing.</i> —Plentiful.	
16. Sakawa .. (9,200')	17½	198	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —For battalion on south edge of large meadow and for a brigade if units were scattered about on high ground to south.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —27 maunds barley and 40 of wheat flour collected here in June 1904. Sheep plentiful. <i>Supplies</i> for 1 battalion with transport. <i>Grass.</i> —For 3,000 animals for some days. <i>Fuel.</i> —Scarce, shrubs only.	
17. Kizil ..	15½	213½	Camels.	<i>Road.</i> —Very difficult for guns. <i>Camp.</i> —For a battalion on west of road at 15 miles. For a larger force if scattered on low hills on each side of the glen.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —30 maunds barley 10 maunds wheat flour collected here in June 1904. Sheep plentiful. <i>Grass.</i> —For 2,000 animals for some days. <i>Fuel.</i> —Scarce, shrubs only.	
18. Daulat Yar	19	232½	Camels.	<i>Road.</i> —No difficulty. <i>Camp.</i> —For a brigade if units scattered.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Very scarce. <i>Fuel.</i> —Scanty. <i>Grass.</i> —Abundant. <i>Camel-grazing.</i> —Good.	

Section C.

ROUTE No. 1-B.

FROM BAMIAN TO DAULAT YAR.

[Reference.—Routes in Afghanistan N. E.—Route No. 51. to stage No. 3, Routes in Afg'anistan N. W.—Route No. 81 to stage 8, thence Route No. 58.]

Stage.	Mileage.		Road suitable for.	Camps.	Supplies.	REMARKS.
1. Shahidan ..	12	12	Camels.	<i>Road.</i> —A good camel road not fit for artillery. <i>Camp.</i> —On cultivated ground near Ambar village.	<i>Water.</i> —Ample. <i>Supplies.</i> —Estimated sufficient to feed 2,000 men and horses for one day.	
2. Kargkanatu	10½	22½	Camels.	<i>Road.</i> —Good .. <i>Camp.</i> —No details.	<i>Water.</i> —No details. <i>Supplies.</i> —Probably enough for 12,000 men and horses could be collected from villages round on notice.	
3. Kara Khaal.	12½	35	Camels.	<i>Road.</i> —Good for pack transport, requires improvement for artillery beyond 11¼ miles. <i>Camp.</i> —Near the small village of Kokinak.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Scarce. <i>Fuel.</i> —Abundant. <i>Grass.</i> —Probably in early summer.	
4. Firozbahar (Kala Miana).	11	46	Camels.	<i>Road.</i> —Fit for camels. <i>Camp.</i> —Plenty of room, but ground cultivated, and crops are not off till very late in the year.	<i>Water.</i> —From stream. <i>Supplies.</i> —Estimated as sufficient for 1,600 men and animals for one day.	
5. Zari ..	12½	58½	Camels.	<i>Road.</i> —Good. <i>Camp.</i> —About ½ mile up Bakkak glen, plenty of room.	<i>Water.</i> —Abundant from stream, banks of which might require ramping. <i>Supplies.</i> —Estimated as sufficient for 800 men and horses and 4 infantry (Kabuli) battalions for 7 days.	
6. Surkbak ..	9½	67½	Camels.	<i>Road.</i> —Crosses the Bakkak Kotal which is very difficult for laden Punjab camels though practicable for heavily laden Afghan camels. <i>Camp.</i> —Not much space for encampment.	<i>Water.</i> —Abundant from stream. <i>Supplies.</i> —Not procurable locally. <i>Fuel.</i> —A small amount. <i>Grass.</i> —Procurable most of the year.	
7. Shorkhol ..	11	78½	Camels.	<i>Road.</i> —Good, slippery in places in wet weather. <i>Camp.</i> —Fairly good ground for camp on both banks of shallow stream running down the Shorkhol glen.	<i>Water.</i> —From stream. <i>Supplies.</i> —None locally procurable, might be collected from villages in the Sar-i-Jangal valley. <i>Fuel.</i> —Obtainable. <i>Grass.</i> —A little all the year round.	
8. Kala Safarak.	12½	91½	Camels.	<i>Road.</i> —Good except at a crossing at 9½ miles. <i>Camp.</i> —On the plateau.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —No details.	

Section C.

ROUTE NO. 1-B.—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
9. Sakawa ..	10	101½	Camels.	<p><i>Road.</i>—Fit for camels.</p> <p><i>Camp.</i>—For a brigade if units are scattered about on the high ground to south.</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Supplies.</i>—27 maunds barley and 40 maunds wheat collected in June 1904. Sheep plentiful.</p> <p><i>Fuel.</i>—Scarce.</p> <p><i>Lucerne and grass.</i>—Obtainable.</p> <p><i>Camel grazing.</i>—Good.</p>	<p><i>Note.</i>—Reference Route No. 58.</p>
10. Kizil ..	15½	116½	Camels.	<p><i>Road.</i>—Fit for camels not easy for artillery.</p> <p><i>Camp.</i>—For a battalion west of road, a larger force would have to camp on the low hills on either side of the glen.</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Supplies.</i>—30 maunds barley and 10 maunds flour collected here in June 1904. Sheep plentiful.</p> <p><i>Grass.</i>—Abundant.</p> <p><i>Camel grazing.</i>—Plentiful.</p>	
11. Daulat Yar	19	135½	Camels.	<p><i>Road.</i>—Easy.</p> <p><i>Camp.</i>—For a brigade if units scattered about on left bank of river.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Very scarce.</p> <p><i>Fuel.</i>—Scanty.</p> <p><i>Grass.</i>—Abundant.</p> <p><i>Camel grazing.</i>—Plentiful.</p>	

Section C.

ROUTE No. 2.

FROM KABUL TO GHAZNI *via* MAIDAN.

[Reference.—Routes in Afghanistan S. E., Route No. 21].

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kala Kazi	7½	7½	Mechanical Transport.	<i>Road.</i> —Excellent throughout. <i>Camp.</i> —Difficult to find space owing to amount of cultivation.	<i>Water.</i> —From irrigation channels. <i>Supplies.</i> —Plentiful ..	<p>Note.—Divisions of all arms followed this road in 1880-1888. <i>Supplies.</i>—For a division were easily obtained. <i>Firewood.</i>—Very scarce. <i>Camel grazing.</i>—Plentiful in April.</p>
.. Arghandi. (7,200').	7½	15	Mechanical Transport.	<i>Road.</i> —No great difficulty anywhere. <i>Camp.</i> —East of Bala Arghandi on open, level ground.	<i>Water.</i> —Excellent from ravine and from irrigation canals. <i>Supplies.</i> —Probably plentiful, no details.	
3. Pain Maidan.	7½	22½	Mechanical Transport.	<i>Road.</i> —Good; country especially suited to cavalry. <i>Camp.</i> —No details.	<i>Water.</i> —From Kabul river, can be brought close to camp in irrigation canals. <i>Supplies.</i> —No details.	
4. Kala Durani.	7½	29½	Mechanical Transport.	<i>Road.</i> —Good, crosses the Kabul river which is easily fordable at 4½ miles but there is reported to be a masonry bridge over the river now at this point. <i>Camp.</i> —Ample ground for encampment.	<i>Water.</i> —Abundant. <i>Supplies.</i> —No details.	
5. Top (7,400)	10½	40½	Mechanical Transport.	<i>Road.</i> —Good .. <i>Camp.</i> —Ample space for encamping.	<i>Water.</i> —Good supply from stream. <i>Supplies.</i> —No details.	
6. Saidabad (6,950).	10½	50½	Mechanical Transport.	<i>Road.</i> —As before .. <i>Camp.</i> —At 6½ miles at Shekhabad; there is ample ground for camping and water from stream. <i>Camp.</i> —At Saidabad, the best side for a camp is said to be on left bank of Shinaz river.	<i>Water.</i> —Ample from river. <i>Supplies.</i> —Can be collected from neighbouring villages probably sufficient for a division of all arms.	
7. Haidar Khel	5	55½	Mechanical Transport.	<i>Road.</i> —Easy .. <i>Camp.</i> —Good camp for two infantry brigades to west of road and also for a similar force one mile further on towards Jakin (Takia).	<i>Water.</i> —Sufficient for one cavalry and three infantry brigades. <i>Supplies.</i> —Sufficient for one cavalry and three infantry brigades.	
8. Haftasia ..	10	66	Mechanical Transport.	<i>Road.</i> —Easy country on either side fit for troops to march on broad front except at about 5 miles when road narrows and troops and baggage must all converge into the one road. <i>Camp.</i> —Good.	<i>Water and Supplies.</i> —Sufficient for three mixed brigades of all arms. <i>Forage.</i> —Procurable. <i>Camel grazing.</i> —Procurable.	

Section C.

ROUTE No. 2—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
9. Shashgao	9½	75½	Mechanical Transport.	<p><i>Road.</i>—Easy</p> <p><i>Camp.</i>—Good on open plain.</p> <p>10,000 men and followers camped here in 1880.</p>	<p><i>Water.</i>—Plentiful from numerous springs.</p> <p><i>Supplies and forage.</i>—For large force are procurable.</p>	
10. Ghazni ..	13½	89	Mechanical Transport.	<p><i>Road.</i>—Good over open country.</p> <p>Crosses Sher Dahan Pass (8,500), but the ascent and descent of the pass are easy.</p> <p><i>Camp.</i>—Good; excellent stabling in village for a cavalry brigade.</p>	<p><i>Water.</i>—Plentiful for any force.</p> <p><i>Supplies.</i>—Of all kinds sufficient for a very large force.</p>	

Section C.

ROUTE No. 84.

FROM DATTA KHEL TO GHAZNI.

[Reference—Routes in Wakiristan, Route No. 1 to stage 3, thence Routes in Afghanistan S. E., Route No. 33.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Sheranni ..	8	8	Camels.	<p><i>Road.</i>—Fit for camels and fairly free of stones. The ascents and descents of the numerous nalas are somewhat steep.</p> <p><i>Camp.</i>—Open, but broken ground south-east of Sheranni, fit for camp of a brigade.</p>	<p><i>Water.</i>—Sufficient for a brigade of all arms.</p> <p><i>Supplies.</i>—Scarce.</p> <p><i>Camel-grazing.</i>—Procurable.</p>	
2. Dotoi ..	7	15	Camels.	<p><i>Road.</i>—Crosses the river two or three times by fords; these are quite practicable for camels except in heavy floods. The floods, however, run down very quickly. A road fit for mules but too narrow and steep for camels, has been made from mile 5½ along right bank of river by which all fording can be avoided.</p> <p><i>Camp.</i>—Room to camp either on right bank of Mastoi river or in field above Dotoi on right bank of the Margha. The former is the larger, both are much commanded. Ample for brigade of all arms.</p>	<p><i>Water.</i>—Plentiful from the rivers, that from the Margha is the clearer as a rule.</p> <p><i>Supplies.</i>—Scarce.</p> <p><i>Camel-grazing.</i>—Procurable.</p>	
3. Piyaodin ..	7½	22½	Mules and camels.*	<p><i>Road.</i>—Difficult at 6½ miles owing to land slips, would require improving for camel transport.</p> <p><i>Camp.</i>—Large camping ground.</p>	<p><i>Water.</i>—Plentiful for a brigade.</p> <p><i>Supplies.</i>—A few can be obtained.</p> <p><i>Camel-grazing.</i>—Procurable.</p>	
4. Margha ..	10½	33	Camels.	<p><i>Road.</i>—Practicable for camels, but difficult.</p> <p><i>Camp.</i>—Large camping ground available.</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Supplies.</i>—Procurable in small amounts.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Forage.</i>—Plentiful.</p>	
5. Malik Sultan's village.	19½	52½	Camels.	<p><i>Road.</i>—Practicable for laden camels.</p> <p><i>Camp.</i>—Small camping ground at foot of the hills.</p>	<p><i>Water.</i>—From a spring.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Camel grazing.</i>—Good.</p>	

* Note—According to Lorimer the distance from Margha to Urgan by this route is only 20 miles. According to map this would appear correct.

Section C.

ROUTE No. 3—contd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
6. Urgun ..	9½	62½	Camels.	<i>Road.</i> —Easy throughout for laden camels; good going. <i>Camp.</i> —Good site for a camping ground on a large maidan.	<i>Water.</i> —Ample from a <i>karez</i> . <i>Supplies.</i> —Of all sorts available in large quantities.	<i>note.</i> —It is said that the road over the Kotanni Pass could be made fit for carts.
7. Camp (at foot of Kotanni Kotal).	12½	75	Camels.	<i>Road.</i> —Level and easy going for camels except at crossings of the Urgun stream, especially in rainy season when water is breast high (man). The ascent and descent of the Kotanni Pass are easy. <i>Camp.</i> —Large maidan to camp on.	<i>Water.</i> —Obtainable from a spring. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Scarce. <i>Camel-grazing.</i> —Good.	
8. Sarafsar ..	10	85	Camels, carts.	<i>Road.</i> —Very easy for camels, could probably be quickly made fit for carts. <i>Camp ?.</i> —	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Of all sorts plentiful. <i>Grazing.</i> —Good. A large amount of camel transport available.	
9. Band ..	21	106	Carts.	<i>Road.</i> —Wide and fit for carts; level. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Procurable in the neighbourhood. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Obtainable.	
10. Sardar Khan.	10½	116½	Carts.	<i>Road.</i> —Level the whole way, no difficulties. <i>Camp.</i> —No details.	<i>Water.</i> —Available. <i>Supplies.</i> —Available.	
11. Ghazni ..	10	126½	Carts.	<i>Road.</i> —Easy throughout <i>Camp.</i> —Ample ground for camp. Capital stabling in village for a cavalry brigade.	<i>Water.</i> —Abundant for any force from the river. <i>Supplies.</i> —Of all kinds in large quantities. On the capture of Ghazni by Army of the Indus 500,000 lbs. of wheat and barley and 79,080 lbs. of flour were found in the town.	

Section C.

ROUTE No. 3-A.

FROM KOHAT TO PESHAWAR *via* KOHAT PASS.

[Reference.—Routes South of the Kabul River, Route No. 60.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Aimal Chabutra.	20½	20½	Mechanical Transport.	<p><i>Road.</i>—Metalled throughout, steepest gradient $\frac{1}{30}$ for 4½ miles beginning from Fort Garnett. Alternative road fit for mule transport from Fort Garnett to top of Pass, this is 2 miles shorter.</p> <p><i>Camp.</i>—Of Tirah Expeditionary Force in 1897.</p>	<p><i>Water.</i>—For 2 battalions: Tank water for animals 2 miles north-east on road to Matanni. Further permanent supply at Hāji Dand, 2 miles north-west.</p> <p><i>Intermediate water.</i>—5 deep wells and 4 or 5 tanks close to road and spring of good water at 11½ miles.</p> <p><i>Supplies.</i>—Nil; unless previously collected.</p> <p><i>Fodder.</i>—<i>Cf.</i> supplies.</p> <p><i>Fuel.</i>—Procurable.</p>	
2. Matanni	5½	26	Mechanical Transport.	<p><i>Road.</i>—Metalled throughout.</p> <p><i>Camp.</i>—Ample space but <i>Cf.</i> water.</p>	<p><i>Water.</i>—Good, for 2 battalions.</p> <p><i>Supplies.</i>—Procurable.</p> <p><i>Fodder.</i>—Not to be relied on.</p> <p><i>Fuel.</i>—Procurable.</p>	
3. Peshawar	14	40	Mechanical Transport.	<p><i>Road.</i>—Metalled throughout.</p> <p><i>Camp.</i>—Ample for large force.</p>	<p><i>Water.</i>—Good, ample.</p> <p><i>Supplies</i> — } Procurable <i>Fodder.</i> — } in large <i>Fuel.</i> — } quantities.</p>	

Section C.

ROUTE No. 3-B.
FROM KOHAT TO BANNU.

[Reference.—Routes South of the Kabul River, Route No. 61 to stage 5, thence Routes in Waziristan, Route No. 4.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Guda Khel	10½	10½	Mechanical transport.	<i>Road.</i> —Metalled and bridged. <i>Camp.</i> —300× by 250.×	<i>Water.</i> —Good from stream, south of village and well on camping ground. <i>Supplies.</i> —Plentiful if notice is given.	
2. Lachi ..	7½	17½	Mechanical transport.	<i>Road.</i> —Metalled and bridged. <i>Camp.</i> —Near dāk bungalow.	<i>Water.</i> —Good water from well and (for animals) from a <i>nala</i> near camping ground. <i>Supplies.</i> —On notice.	
3. Daud Shah Banda.	14½	31½	Mechanical transport.	<i>Road.</i> —As before. <i>Camp.</i> —East of road, opposite bungalow, 195× by 210×.	<i>Water.</i> —Good water from standpipes on camping ground. <i>Intermediate water.</i> —Which should be made use of at 3, 8 and 10 miles from tanks (for animals). <i>Supplies.</i> —On notice.	
4. Kurram ..	12	43½	Mechanical transport.	<i>Road.</i> —As before, country more cultivated. <i>Camp.</i> —On right of road opposite the village. 750× by 130×.	* <i>Water.</i> —Good and plentiful from reservoir close to camping ground. <i>Intermediate water.</i> —At Totaki (9 miles) from reservoir. <i>Supplies.</i> —On notice.	
5. Latammar	16	59½	Mechanical transport.	<i>Road.</i> —As before, country hilly and with many ravines. In wet weather the road crossing the <i>nala</i> , is often covered with deep mud and silt which might hinder motor transport. <i>Camp.</i> —19,490 square yards on left of road opposite dāk bungalow, but it is possible to camp anywhere.	<i>Water.</i> —Large supply from wells. Water can be got in large quantity by digging in river bed to the west. For a force of more than two infantry battalions or a regiment of cavalry arrangements should be made beforehand. <i>Supplies.</i> —Scarce.	
6. Bannu ..	19	78½	Mechanical transport.	<i>Road.</i> —Metalled and bridged except at the crossing of Chargos river where it is unmetalled. The bed of of the river is one mile wide and very sandy and difficult for wheeled transport. In the rains traffic is liable to be interrupted at this point.		

*NOTE.—In dry weather only sufficient water for one battalion, and a brigade marching from Kohat to Bannu must divide between Kurram and Totaki.

Section C.

ROUTE No. 3-C.

FROM PESHAWAR TO LANDI KOTAL.

[Reference.—Routes South of the Kabul River, Route No. 6.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Jamrud (1,610').	9	9	Mechanical transport. Carts.	<p><i>Railway.</i>—Broad gauge.</p> <p><i>Road.</i>—Metalled throughout also second unmetalled cart road.</p> <p><i>Camp.</i>—Unlimited camping ground south and west of Fort.</p> <p><i>Intermediate camp.</i>—For two divisions at Kacha Garhi.</p>	<p><i>Water.</i>—Up to 10,000 gallons per diem can be pumped from Kacha Garhi to Fort. Also reservoir to hold 100,000 gallons. Rain tank for animals (full in December) south-west of Fort; animals can also be watered at Gudar 2½ miles north-west.</p> <p><i>Supplies.</i>—Procurable.</p> <p><i>Fuel and Fodder.</i>—No details.</p>	
2. Ali Masjid	9½	18½	Mechanical transport. Carts.	<p><i>Road.</i>—Metalled throughout and from 4¾ miles there is also an unmetalled cart road.</p> <p><i>Camp.</i>—East of Fort, unhealthy and commanded by heights.</p> <p><i>Intermediate camp.</i>—At 7¼ miles and at 8¼ miles. The latter used by a brigade in 1897.</p>	<p><i>Water.</i>—Fairly good and plentiful from Khaibar stream for all 3 camping grounds.</p> <p><i>Supplies.</i>—Scarce.</p> <p><i>Fuel and Fodder.</i>—No details.</p>	
3. Landi Kotal	10¾	28½	Mechanical transport.	<p><i>Road.</i>—Metalled throughout.</p> <p><i>Camp.</i>—Unlimited round <i>sarai</i> and also ½ mile to west.</p> <p><i>Intermediate camp.</i>—At 1½ miles for 1 regiment and also at 2 miles.</p>	<p><i>Water.</i>—22,000 gallons or more per diem from pipes but these might be cut by Afridis: 3,000 gallons or more from well.</p> <p><i>Intermediate.</i>—Water at 1½ miles and at 2 miles (at the latter place in rains only).</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Obtainable.</p> <p><i>Fodder.</i>—Small quantity only and some grass obtainable.</p>	

Section C.

ROUTE No. 3-D.

FROM PESHAWAR TO BARA VALLEY (SANDANA) *via* ALI MASJID AND BAZAR VALLEY.

[Reference.—Routes South of the Kabul River, Routes Nos. 6 and 7.]

Stage.	Mileage.	Road suitable for	Description of road and Camps.	Supplies.	REMARKS.	
1 and 2 <i>Vide</i> Route 3 (c).						
3. Chora .. (3,150')	8½	27	Camels.	<p><i>Road.</i>—Good camel road; practicable for field artillery.</p> <p><i>Camp</i> suitable for 1 brigade around village on right bank of river.</p>	<p><i>Water.</i>—Good. Ample for 1 brigade.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Fuel.</i>—Plentiful for 1 brigade.</p> <p><i>Fodder.</i>—Nil.</p> <p><i>Good grazing.</i>—For camels.</p>	This route is much used by Afridis in their annual migration.
4. China ..	7	34	Camels.	<p><i>Road.</i>—At 2½ miles is a defile likely to hinder transport.</p> <p><i>Camp.</i>—Unlimited ground for camping on fields round village.</p> <p><i>Intermediate.</i>—Camp suitable for a division at 4¾ miles.</p>	<p><i>Water.</i>—Supply from three springs roughly estimated as yielding 20,000 gallons per hour.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Fuel.</i>—Obtainable from the slopes of the Surghar (2 miles distant) in any quantity.</p> <p><i>Fodder.</i>—<i>Cf.</i> Fuel.</p>	
5. Sandana (4,600').	14½	48½	Mules. *Camels.	<p><i>Road.</i>—Presents no difficulty for pack transport (mules or camels) for 9½ miles, there is then about 200× of bad going which could probably be easily made fit for camel transport, also at 12½ miles there is a rather steep descent which would require improving.</p> <p><i>Camp.</i>—500× by 600× of fairly level ground.</p>	<p><i>Water.</i>—Good and ample for a division from the Bara river.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Fodder.</i>—A certain amount of cultivation round the village.</p> <p><i>Grass.</i>—Plentiful.</p>	Further distance to Bagh is 1½ miles in 2 stages. <i>see</i> route 3-E.

Section C.

ROUTE No. 3-E.

FROM PESHAWAR TO BAGH *via* BARA VALLEY.

[Reference.—Routes South of the Kabul River, Route No. 22.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Ilam Gudar.	8½	8½	Carts.	<i>Road.</i> —Good oart road, partially metalled for 6½ miles, then over hard stony plain (fit for carts in 1898). <i>Camp.</i> —Sufficient for 1 division.	<i>Water.</i> —Ample for 1 division. <i>Supplies.</i> —In late autumn maize obtainable in large quantities. <i>Fuel.</i> —Plentiful for 1 brigade <i>Fodder.</i> —Plentiful for 1 brigade.	
2. Mamanai	11	19½	Carts.	<i>Road.</i> —Crosses the Gandao Kotal at 7 miles, but the ascent and descent are gradual. <i>Camp at Mamanai.</i> —On right bank of river for 1 brigade. <i>At Sawaikot.</i> —1 mile further on for 1 brigade on left bank of river. <i>At Shadiha.</i> —On right bank sufficient for 1 division. <i>At Bina Garhi.</i> —1½ miles west of Mamanai for 1 brigade.	<i>Water.</i> —Unlimited. <i>Supplies.</i> —No information. <i>Fuel.</i> —Plentiful for 1 brigade <i>Fodder.</i> —Plentiful for 1 brigade.	
3. Sawaikot (not the one mentioned under Mamanai.)	7	26½	Mules, Camels*.	<i>Road.</i> —Could be made fit for camels with little difficulty. <i>Camp.</i> —Suitable for 1 brigade. <i>Intermediate.</i> —Camp at Barkai suitable for 1 division.	<i>Water.</i> —Unlimited from the river. <i>Supplies.</i> —No information. <i>Fuel.</i> —Plentiful for 1 brigade. <i>Fodder.</i> —Plentiful for 1 brigade.	
4. Galli Khel	7	33½	Mules, Camels*.	<i>Road.</i> —No difficulty for mule transport and could be made practicable for camels with little difficulty. <i>Camp.</i> —On left bank of the river suitable for 1 division. <i>Intermediate.</i> —Camp at Barwand (3½ miles) for 1 brigade.	<i>Water.</i> —From the river for a division. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Limited quantity from neighbourhood. <i>Fodder.</i> —Limited quantity.	
5. Sher Khel*	5	38½	Mules.	<i>Road.</i> —Could be made practicable for camels with little difficulty. <i>Camp.</i> —For 1 division.	<i>Water.</i> —For a division. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Limited. <i>Fodder.</i> —Limited.	

* *Note.*—To shorten the next stage to Sandana (10 miles) it would be perhaps advisable to go on to Sultan Khel (2½ miles) where there is a good camping ground on right bank of the river.

Section C.

ROUTE No. 3 E.—*contd.*

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
6. Sandana	10	48½	Mules.	<p><i>Road.</i>—Presents no difficulty for mule transport and can easily be made passable for camels.</p> <p><i>Camp.</i>—500× by 600×.</p>	<p><i>Water.</i>—Ample for a division from the Bara river.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Fuel.</i>—Plentiful for 1 brigade.</p> <p><i>Fodder.</i>—A certain amount of cultivation round the village.</p> <p><i>Grass.</i>—Plentiful.</p>	
7. Dwa Toi	8	56½	Mules.	<p><i>Road.</i>—Mule road which could be made fit for camels with little difficulty.</p> <p><i>Camp.</i>—For 1 brigade rather cramped and commanded by hills on both sides.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Forage.</i>—Plentiful.</p>	
8. Bagh ..	6½	63	Mules.	<p><i>Road.</i>—Very difficult even for mule transport.</p> <p><i>Camp.</i>—Choice of ground for camping, sufficient for 1 division.</p>	<p><i>Water.</i>—Abundant for all requirements from Shalobah stream.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Forage.</i>—Plentiful.</p>	

Section C.

ROUTE No. 3-F.

FROM MAMANAI TO BAGH *via* TSAPRAI AND TSERI PASSES.[Reference.—Route^s South of the Kabul River, Route No. 25.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Tsaprai	4½	4½	Mules.	<i>Road.</i> —Fit for mules throughout, but would require improving in the narrow gorge 1 mile south-east of Tsaprai before being practicable for camels. <i>Camp.</i> —Sufficient for a division.	<i>Water.</i> —From the stream, sufficient for a division. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —A certain amount of cultivation on terraced fields round village.	
2. Barand Khel.	10	14½	Mules.	<i>Road.</i> —The road throughout is practicable for mules and was much improved during the 1897 operations, but could not be made fit for camels without considerable labour and owing to the steep gradients on both sides of the Tsaprai pass a fresh alignment would be necessary. <i>Camp.</i> —On the left bank of the river sufficient for a division.	<i>Water.</i> —From the river for a division. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Fodder.</i> —Plentiful.	
3. Hissar ..	7½	22	Mules.	<i>Road.</i> —Presents no difficulty to laden mules and could easily be made practicable for camels. <i>Camp.</i> —Suitable for 1 brigade. There is a better site for a camp at Tanda 1½ miles west with unlimited room.	<i>Water.</i> —Sufficient for a division. <i>Supplies.</i> —No information. <i>Fuel.</i> —Plentiful. <i>Fodder.</i> —Plentiful.	
4. Sultan Khel.	6½	28½	Mules.	<i>Road.</i> —Fit for laden mules. <i>Camp.</i> —Ample for a brigade.	<i>Water.</i> —Plentiful from the stream. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Fodder.</i> —Plentiful.	
5. Maidan camp 2½ miles from Bagh.	9	37½	Mules.	<i>Road.</i> —A good mule track was constructed by the Tihrah Force in 1897. The steep ascent to the Tseri Kandao (5½ miles) will delay transport however. <i>Camp.</i> —Unlimited camping ground.	<i>Water.</i> —Abundant and good from river bed, <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Fodder.</i> —Plentiful.	

ROUTE No. 3-G.

FROM KOHAT TO MAIDAN *viâ* LANDU KIK PASS.

[Reference.—Routes South of the Kabul River, Routes Nos. 28, 31, 27, 40.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Sherkot	10	10	Carts.	<i>Road.</i> —20' cart road metalled 10' wide. <i>Camp.</i> —Ample space for a division.	<i>Water.</i> —Unlimited from Kohat river. <i>Intermediate.</i> —Water at Chikarkot (7½ miles). <i>Supplies.</i> —Nil. <i>Fuel.</i> —Enough for a division for one day could probably be obtained. <i>Forage.</i> —Scanty.	
2. Bar Marai (3,255')	10	20	Camels.	<i>Road.</i> —Excellent bridle road, could easily be made fit for carts. <i>Camp.</i> —For a division.	<i>Water.</i> —Excellent supply from a spring 1 mile from village. <i>Intermediate.</i> —Water at 6½ miles. <i>Supplies.</i> —Sufficient for a brigade. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Plentiful.	
3. Karez ..	6	26	Mules, Camels.*	<i>Road.</i> —Could easily be made fit for camel* transport. <i>Camp.</i> —For 2 brigades in the fields amongst the Karez villages. <i>Intermediate camp.</i> —Suitable for 2 brigades, good water from river and spring at 3¾ miles.	<i>Water.</i> —Ample and good from river and its tributaries. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Plentiful.	
4. Kalaja .. (5,336')	8	34½	Mules, Camels.*	<i>Road.</i> —Would require but little work to make it fit for camels as far as the Landukai pass. At this point the road is very bad, the ruling gradient 1 in 4, in places considerably more. To make this portion of the road fit for camels would, it is estimated, require 1 company of Sappers and the working parties of an infantry brigade for 3 or 4 days: even for mules it is difficult. <i>Camp.</i> —Ample for a division.	<i>Water.</i> —The Mastura stream gives an unfauling supply. There are also 2 good springs of excellent water, ample for 2 brigades (drinking water only). <i>Supplies.</i> —Nil. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Plentiful.	
5. Mastura Camp.	8½	42½	Mules, Camels.*	<i>Road.</i> —Was improved in 1897 and is fit for mule transport and with little work could be made practicable for camels.* <i>Camp.</i> —Of Tirah Expeditionary Force, 1897.	<i>Water.</i> —Good and ample from Mastura stream. <i>Supplies.</i> —In fair quantities from surrounding villages. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Plentiful.	
6. Maidan..	6½	49½	Camels.	<i>Road.</i> —A good camel road. <i>Camp.</i> —Tirah Expeditionary Force camped here, 1897.	<i>Water.</i> —Ample from <i>nalas</i> in vicinity. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Plentiful.	

Note.—The Pass (Landukai) is liable to be blocked by snow for months at a time in a severe winter.

Section C.

ROUTE No. 3-H.

KAHI to BAGH.

[Reference.—Route: South of the Kabul River, Route No. 40.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Shinawari	7½	7½	Carts.	<i>Road.</i> —Partly metalled. <i>Camp.</i> —For 1 division or more.	<i>Water.</i> —From springs and stream ½ mile west of fort. <i>Supplies.</i> —Some available. <i>Fuel.</i> —Plentiful. <i>Fodder.</i> —Plentiful for camels.	See note below.
2. Kharappa (4,300').	11½	19	Camels.	<i>Road.</i> —A good camel road. <i>Camp.</i> —On a stony, open plateau in the delta of the Khanki and Khandi streams.	<i>Water.</i> —Bad, especially from Khanki stream, but sufficient. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Obtainable in fair quantity. <i>Forage.</i> —Obtainable in limited quantity.	
3. Mastura Camp.	8	27	Camels.	<i>Road.</i> —A good camel road, made in 1897. <i>Camp.</i> —Unlimited ground for camping on fields on right of the Mastura stream. Camp of Tirah Force, 1897.	<i>Water.</i> —Good and unlimited from Mastura stream. <i>Supplies.</i> —In fair quantities from villages round. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Plentiful.	
4. Maidan..	6½	33½	Camels.	<i>Road.</i> —A good camel road. <i>Camp.</i> —Tirah Expeditionary Force camped here, 1897.	<i>Water.</i> —Ample from <i>nalas</i> in the vicinity. <i>Supplies.</i> —Not to be relied on for operations. <i>Fuel.</i> —Plentiful.	
5. Bagh ..	2½	36	Camels.	<i>Road.</i> —A good camel road. <i>Camp.</i> —Of Tirah Expeditionary Force, 1897.	<i>Forage.</i> —Plentiful.	

N.B.—The proposed construction of a railway from Kahi to Mardar river will cut out this stage. Mardar river is 1 mile on the Kahi side of Shinawari.

Section C.

ROUTE No. 3-I.

FROM SADDA (KURRAM) TO BAGH *via* KURMANA DEFILE AND KAHU PASS.

[Reference.—Routes South of the Kabul River, Route No. 47.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Lwara Mela (5,200')	9½	9½	Mules.	<i>Road.</i> —Fit for mule transport. <i>Camp.</i> —A good open camping ground, ample for a division.	<i>Water.</i> —Plentiful from Khurmana river. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Plentiful.	
2. Dargai (6,450').	5½	14½	Mules.	<i>Road.</i> —Practicable throughout for mule transport. <i>Camp.</i> —Suitable for a brigade. There is also camping room for a small force ½ mile further on beyond the village.	<i>Water.</i> —From stream good and ample. <i>Supplies.</i> —Not to be relied on for operations. <i>Fuel.</i> —Plentiful. <i>Fodder.</i> —Plentiful.	
3. Kahu (6,800').	7½	22½	Mules.	<i>Road.</i> —Practicable for mule transport but difficult especially over the Kahu Kotal (8,700'). <i>Camp.</i> —Sufficient room for a large force (one brigade camped here 1897) but commanded by hills. There is also room for a weak brigade with obligatory mules to camp on either side of the path through pass at 4 miles. <i>Fuel.</i> —Plentiful but no water.	<i>Water.</i> —From spring in <i>nala</i> and tank sufficient for a brigade. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Plentiful.	
4. Bagh ..	4½	26½	Mules.	<i>Road.</i> —No difficulties for mule transport. <i>Camp.</i> —Of Tirah Expeditionary Force in 1897.	<i>Water.</i> —From the Shalobah stream good and sufficient for any requirements. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Plentiful.	

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Section C.

ROUTE No. 3-J.

FROM ALI MASJID TO BARAR KATS *via* THE ALACHI.

[Reference.—Routes South of the Kabul River, Route No. 9].

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Barar Kats.	11	11	Mules.	<p><i>Road.</i>—Fit for mule transport but difficult over the Alachi Kotal the ascent of which is $\frac{1}{2}$ mile long, gradient 1 in 4 to 1 in 3.</p> <p><i>Camp.</i>—No suitable spot for camping at Barar Kats.</p> <p><i>Camp.</i>—Suitable for 2 brigades would be found in the Barg valley at 9 miles: at 7 miles there is space for camp for 2 brigades at Karamna.</p>	<p><i>Water.</i>—In Barg valley from the stream; good and ample for 2 brigades. Higher up the <i>nala</i> towards Barar Kats water might be obtained by digging holes in the ravine. In Barar Kats there is no water to be relied on.</p> <p><i>At Karamna.</i>—(7 miles) sufficient water for 1 brigade is obtainable and after the rains probably sufficient for a larger force.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Fuel.</i>—</p> <p><i>Forage.</i>—</p> <p style="text-align: right;">} No information.</p>	

Section C.

ROUTE No. 3-K.

FROM LANDI KOTAL TO KARAMNA *via* BORI PASS.

[Reference.—Routes South of the Kabul River, Route No. 13.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Karamna (4,450').	8	8	Troops without transport. * Mules.	<p><i>Road.</i>—At $3\frac{1}{2}$ miles road passes through deep chasm paved with smooth slippery rock. It would require 2 days' work to make this portion of the route passable for laden mules*.</p> <p>The descent from the Bori pass would require 6 or 8 hours' work by 2 companies Sappers, and 1 regiment, Pioneers, to make it passable for mule transport.*</p> <p><i>Camp.</i>—Space for 2 brigades.</p>	<p><i>Water.</i>—Indifferent obtained in December, 1897, sufficient for 1 brigade from <i>nala</i> by digging holes. In wet weather and after the rains the supply should be sufficient for 2 brigades with their transport animals.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Forage.</i>—No information.</p>	

Section C.

ROUTE No. 3-L.

FROM LANDI KOTAL TO CHINA *viâ* BAZAR PASS.

[Reference.—Routes South of the Kabul River—Route No. 15].

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. China ..	12½	12½	Troops without transport *Mules. † Camels.	<i>Road.</i> —Fit for camels† to foot of ascent of Bazar pass and from foot of descent to China. Fit for mules* lightly laden to top of Bazar pass. The descent could be made fit for mules by Sappers and Miners in one day. The pass is reached at 6 miles. <i>Camp.</i> —Unlimited ground for camping on fields round village.	<i>Water.</i> —Good. Supply from 3 springs estimated to yield 20,000 gallons per hour. <i>Intermediate.</i> —Water at Ziz village (10 miles), tank not to be relied on for a large force. <i>Supplies.</i> —Not to be relied on for operations. <i>Fuel.</i> —Obtainable from slopes of the Surghar (2 miles distant) in any quantity. <i>Forage.</i> — <i>Cf.</i> Fuel.	

Section C.

ROUTE No. 3-M.

FROM BAZAR VALLEY TO BARA VALLEY.

Mashkani Mela to Bara Fort, viâ Dwa Ghakhai Pass.

[Reference.—Routes South of the Kabul River, Route No. 24.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Bara Fort	15½	15½	Troops without transport. Mules*.	<i>Road.</i> —Is practicable for mule transport except for 2 portions which require repair at :— (<i>a</i>) 1½ to 1¾ miles. (<i>b</i>) 2¼ to 3¾ miles. * Could be made practicable for mule transport by a battalion pioneers in 1 day. <i>Camp.</i> —Unlimited.	<i>Water.</i> —Ample. <i>Supplies.</i> — } Can be obtained from Peshawar if notice is given. Not to be depended on otherwise. <i>Fuel.</i> — } <i>Fodder.</i> — }	If repaired this route would be easier than Routes 3-N or 3-O.

Section C.

ROUTE No. 3-N.

FROM MASHKANI MELA TO ILAM GUDAR *via* KAJURAI PASS.

[Reference.—Routes South of the Kabul River, Route No. 23.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
	14	14				
1. Ilam Gudar.	14	14	Troops without transport Mules.*	<p><i>Road.</i>—Practicable for mule transport, except from $\frac{1}{2}$ mile to $2\frac{1}{4}$ miles, where it requires improvement.*</p> <p><i>Camp.</i>—For 1 division or more $\frac{1}{2}$ mile west of village.</p> <p><i>Intermediate camp.</i>—On Aladand <i>nala</i> at 6 miles.</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Intermediate water.</i>—At 6 miles, $\frac{1}{2}$ mile up Aladand <i>nala</i>.</p> <p><i>Supplies.</i>—In late autumn large quantities of maize.</p> <p><i>Fuel.</i>—Plentiful for 1 brigade.</p> <p><i>Fodder.</i>—Plentiful for 1 brigade.</p>	

Section C.

ROUTE No. 3-O.

FROM MASHKANI MELA TO BARKAI *via* KAJURAI PASS.

[Reference.—Routes South of the Kabul River, Routes Nos. 23 (a) and 22.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
	..	?				
1. Barkai	?	Mules *	<p><i>Road.</i>—As in Route 3-N. up to $6\frac{1}{2}$ miles thence difficult for mules.*</p> <p><i>Camp.</i>—For 1 division on right bank of Bara river opposite village.</p> <p><i>Intermediate camp.</i>—On Aladand <i>nala</i> at 6 miles.</p>	<p><i>Water.</i>—From Bara river.</p> <p><i>Intermediate water.</i>—At 6 miles, $\frac{1}{2}$ mile up Aladand <i>nala</i>.</p> <p><i>Supplies.</i>— } Village is rich, and almost all the land is irrigated; no further information.</p> <p><i>Fuel.</i>— } <i>Fodder.</i>— }</p>	

Section C.

ROUTE No. 3-P.

FROM CHINA TO LAL BAZ GURHI *viâ* DRE GHAKHAI.

[Reference.—Routes South of the Kabul River, Route No. 19.]

Stago.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Lal Baz Garhi.	11	11	Mules.	<p><i>Road.</i>—The difficulties on this route are the Kotal, the ascent of which begins at 6½ miles, and <i>nalas</i> at 8 and 9 miles. It is reported easy for mule transport as far as natural obstacles are concerned but as likely to prove very difficult in the presence of an enemy.</p> <p><i>Camp.</i></p>	<p><i>Water.</i>—</p> <p><i>Supplies.</i>—</p> <p><i>Fuel.</i>—</p> <p><i>Forage.</i>—</p>	No information.

Section C.

ROUTE No. 3-Q.

FROM BARA VALLEY TO LOWER MASTURA VALLEY.

Sawaikot to Kharsha viâ Uchpal pass.

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Kharsha	11	11	Mules.	<p><i>Road.</i>—North side of Uchpal Pass steep and difficult. Descent into Mastura valley easy.</p> <p><i>Camp.</i>—Good camping ground at Tarkho Sam, near village.</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Supplies.</i>—Scarce.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Fodder.</i>—Camel grazing plentiful.</p>	

Section C.

ROUTE No. 3-R.

FROM BARA VALLEY TO WARAN VALLEY.

(a) *Viâ* Mithuri Pass.(b) *Viâ* Shahkot Pass.

Neither has been reconnoitred ; (a) is said to be the easier, and is used by local pack animals.

Section C.

ROUTE No. 3-S.

FROM WARAN VALLEY TO MASTURA VALLEY.

Viâ Khokanni pass.

Could easily be made fit for mules.

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Section C.

ROUTE No. 3-T.

FROM MASTURA VALLEY TO KHANKI VALLEY.

Barand Khel to Raisan (Kohat-Thal road) via Zera and Bar Marai.

[Reference.—Route: South of the Kabul River, Routes Nos. 29, 31-C., 33 and 32.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Zera ..	5½	5½	Troops without transport * Mules.	<i>Road.</i> —From 2½ to 4¼ miles through rocky defile, and requires blasting, etc., 2 or 3 days' work by a field company S. & M. would make it practicable for mules*. <i>Camp.</i> —Room for a large force on the right bank of the Mastura river.	<i>Water.</i> —Good and ample for a brigade or more. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Forage.</i> —Plentiful.	Road said to be impassable for a few hours after very heavy rain.
2. Bar Marai	5	10½	Mules. Camels*.	<i>Road.</i> —On the Zera pass 5' to 6' broad and practicable everywhere for mules. The first ¼ mile of descent from the <i>kotal</i> is steep: 1 field company Sappers and Miners and the working parties of an infantry brigade could easily make the road to the crest of the Pass suitable for camels.* The ascent from Zera to the Pass is easy and almost fit for carts without repairs. <i>Camp.</i> —Room for a division	<i>Water.</i> —Good. <i>Supplies.</i> —For one brigade. <i>Fuel.</i> —Plentiful. <i>Fodder.</i> —Grass plentiful.	
3. Shabu Khel	12	22½	Mules Camels.*	<i>Road.</i> —5' to 8' wide, passable for camels but gradients are steep.* <i>Camp.</i> —For large force: jungle requires clearing.	<i>Water.</i> —From spring, animals from stream. <i>Supplies.</i> —Extensive irrigated cultivation. <i>Fuel.</i> —Plentiful. <i>Fodder.</i> —Plentiful.	
4. Raisan ..	3¾	26½	Camels.	<i>Road.</i> —Easily convertible to cart road. <i>Camp.</i> —Authorised camping ground 300 yards by 350 yards, but more room available on cultivated fields. P. T. O., at railway station 1 mile west of camp.	<i>Water.</i> —Sufficient for a division or more <i>Supplies.</i> —Unobtainable locally but any quantity can be sent by rail to Raisan station. <i>Fuel.</i> —From hills ½ mile south. <i>Fodder.</i> — <i>Cf.</i> Supplies reduced.	

Section C.

ROUTE No. 3-U.

FROM MAIDAN TO KHUNKI VALLEY.

Bagh to Kharappa viâ Shin Ghakh Pass and Mamuzai (Khanki Bazar).

[Reference.—Routes South of the Kabul River, Routes Nos. 46 and 32.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Mir Alam Garbi.	4½	4½	Mules.	<i>Road.</i> —Presents no difficulty to infantry, mountain artillery, and mule transport. <i>Camp.</i> —Cramped and much commanded by hills.	<i>Water.</i> —In <i>nala</i> . <i>Supplies.</i> —Doubtful. <i>Fuel.</i> —Plentiful on hills around Shin Ghakh pass. <i>Fodder.</i> —Plentiful in autumn.	
2. Mamuzai (Khanki Bazar).	6½	10½	Mules.	<i>Road.</i> —Difficult over Shin Ghakh Pass from 1 mile to about 3½ miles. <i>Camp.</i> —Large space suitable.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Procurable in considerable quantities. <i>Fuel.</i> —Plentiful. <i>Fodder.</i> —Good grass plentiful.	
3. Saderai..	8½	19½	Mules.	<i>Road.</i> —Presents no obstacle to movements of troops or transport. <i>Camp.</i> —North of village.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Procurable. <i>Fuel.</i> —No information. <i>Fodder.</i> — <i>Khasil.</i> —Procurable, and <i>bhusa</i> after spring harvest.	
4. Kharappa	6½	25½	Mules and camels.	<i>Road.</i> —Presents no obstacles. <i>Camp.</i> —¾ mile short of village.	<i>Water.</i> —Muddy but sufficient. <i>Supplies.</i> —Limited. <i>Fuel.</i> —Obtainable. <i>Fodder.</i> —Grass obtainable.	

Section C.

ROUTE No. 3-V.

FROM PESHAWAR TO BAZAR VALLEY (CHINA) *via* ALI MASJID.

[Reference.—Routes South of the Kabul River, Routes Nos. 6, 7, and 18.]

Stage.	Mileage.		Road suitable for	Description of road and Camps.	Supplies.	REMARKS.
1 and 2 ..	<i>See</i>	Route	No. 3-C.			
3. Chora .. (3,150').	8½	27	Camels.	<i>Road.</i> —Good camel road, practicable for field artillery. <i>Camp.</i> —Suitable for 1 brigade around village, on right bank of river.	<i>Water.</i> —Good. Ample brigade. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful for 1 brigade. <i>Fodder.</i> —Nil. <i>Good grazing.</i> —For camels.	
4. China ..	7	34	Camels.	<i>Road.</i> —At 2¾ miles is a defile likely to hinder transport. <i>Camp.</i> —Unlimited ground for camping on fields round village. <i>Intermediate.</i> —Camp suitable for a division at 4¾ miles.	<i>Water.</i> —Supply from three springs roughly estimated as yielding 20,000 gallons per hour. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Obtainable from the slopes of the Surghar (2 miles distant) in any quantity. <i>Fodder.</i> — <i>Cf.</i> fuel.	

Section C.

ROUTE No. 3-W.

FROM JAMRUD TO CHORA *via* SHUDANA.

[Reference.—Routes South of the Kabul River—Route No. 8.]

Stage.	Mileage.		Road suitable for	Description of road and Camps.	Supplies.	REMARKS.
1. Shudana .. (2,000').	9	9	Camels.	<i>Road.</i> —Along the river bed, in places tortuous and narrow. In wet weather a road is impracticable owing to flooding of the Khaibar stream. <i>Camp.</i> —Too cramped for a large force.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Obtainable.	
2. Chora .. (3,150').	4	13	Camels.	<i>Road.</i> —Leaves river bed and ascends to Chora Kandao. <i>Camp.</i> —Suitable for 1 brigade.	<i>Water.</i> —Good. Ample for 1 brigade. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful. <i>Fodder.</i> —Nil. <i>Camel grazing.</i> —Good.	

Section C.

ROUTE No. 3-X.

FROM MATANNI TO KOHAT, *vid* BORI, JAMMU AND TURKI.

[Reference.—Routes South of the Kabul River, Route No. 71].

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Taruni ..	12 $\frac{7}{8}$	12 $\frac{7}{8}$	Mules.	<i>Road.</i> —First 9 $\frac{3}{4}$ miles fit for field guns. <i>Camp.</i> —Probably sufficient for 1 to 3 regiments, much commanded.	<i>Water.</i> —One well and some tanks at Taruni, several wells at Khui, 1 mile distant, quantity doubtful. <i>Supplies.</i> — } Not to be relied on. <i>Fodder.</i> — } <i>Fuel.</i> —Procurable.	
2. Pustawanai	5 $\frac{1}{2}$	18 $\frac{3}{4}$	Mules.	<i>Road.</i> —At 5 miles 100 yards of very bad road; crossing of <i>nala</i> at about 5 $\frac{1}{2}$ miles requires improvement. <i>Camp.</i> —Force of about 2,000 combatants camped here in 1877.	<i>Water.</i> —Quantity probably limited; scanty spring and one good well. <i>Intermediate water.</i> —At Bori (2 miles) and stream running along road from about 2 to 3 miles. <i>Supplies.</i> — } Not to be relied on. <i>Fodder.</i> — } <i>Fuel.</i> —Procurable.	Road sometimes impassable after heavy rain.
3. Jammu ..	9 $\frac{3}{4}$	28	Mules.	<i>Road.</i> —1 $\frac{1}{2}$ to 2 $\frac{1}{4}$ miles very bad: rough and stony throughout. <i>Camp.</i> —Probably sufficient for a brigade or more.	<i>Water.</i> —Probably sufficient for a brigade or more. <i>Intermediate water.</i> —Near Walai (2 $\frac{1}{2}$ miles). <i>Supplies.</i> — } Valley is well cultivated, no further information. <i>Fodder.</i> — } <i>Fuel.</i> —Procurable.	
4. Turki ..	6 $\frac{1}{2}$	34 $\frac{1}{2}$	Mules.	<i>Road.</i> —Difficult <i>nalas</i> are crossed in first 1 $\frac{1}{2}$ miles, good but stony after 3 $\frac{1}{2}$ miles. <i>Camp.</i> —Force of 1,500 combatants camped here in 1878.	<i>Water.</i> —From wells, quantity uncertain. <i>Supplies.</i> — } No information. <i>Fodder.</i> — } <i>Fuel.</i> —Procurable.	
5. Kohat ..	13 $\frac{1}{2}$	48 $\frac{1}{2}$	Mules. Field Artillery.	<i>Road.</i> —At Togh (9 $\frac{1}{2}$ miles) joins main road Khushalgarh to Kohat. <i>Camp.</i> —A division or more.	<i>Water.</i> —Unlimited and good <i>Supplies.</i> — } Plentiful. <i>Fodder.</i> — } <i>Fuel.</i> — }	Railway and P. T. O.

Section C.

ROUTE No. 3-Y.

FROM GUMBAT TO ATTOCK *via* NILAB GASHA.

[Reference.—Routes South of the Kabul River—Route No. 73.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1, Jabbar	12	12	Light carts and field artillery.	<i>Road.</i> —Unmetalled 20' wide in open, 10' wide in hills ; surface in hill sections very stony and rough ; graded and culverted. <i>Camp.</i> —Extensive.	<i>Water.</i> —Plentiful and good. <i>Supplies.</i> —Not to be relied on. <i>Fodder.</i> —ditto. <i>Fuel.</i> —ditto.	
2, Lakh Talao.	12½	24½	Light carts and field artillery.	<i>Road.</i> —As above. <i>Camp.</i> —Extensive.	<i>Water.</i> —Scanty and bad ; at times no water fit to drink is available nearer than the Indus, 2 miles distant. <i>Supplies.</i> —Not to be relied on. <i>Fodder.</i> —ditto. <i>Fuel.</i> —ditto.	
3, Nizampur	14	38½	Camels.	<i>Road.</i> —As above, but surface very bad as far as 8½ miles. <i>Camp.</i> —No information. <i>Intermediate camps.</i> —At 5½ miles for a brigade, and at Jungra (6½ miles) for 2 battalions.	<i>Water.</i> —Plentiful and good. <i>Intermediate water.</i> —At 5½ and 6½ miles, perennial streams. <i>Supplies.</i> —Not to be relied on. <i>Fodder.</i> — ditto. <i>Fuel.</i> — ditto.	
4, Darwazagai	12	50½	Carts.	<i>Road.</i> —Unmetalled cart road as above. <i>Camp.</i> —No information.	<i>Water.</i> —Plentiful and good. <i>Supplies.</i> —Not to be relied on. <i>Fodder.</i> —No information. <i>Fuel.</i> —No information.	
5, Attock ..	7	57½	Carts.	<i>Road.</i> —Metalled, 30' wide, crosses Indus by bridge. <i>Camp.</i> —No information.	<i>Water.</i> —Limited and bad on camping ground, but Indus available. <i>Supplies.</i> — <i>Fodder.</i> — } Abundant. <i>Fuel.</i> — }	

Section C.

ROUTE No. 4.
FROM GARDEZ TO GHAZNI.
 [Reference.—Routes in Afghanistan S. E., Route No. 24.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Camp ..	15	15	Carts.	<p><i>Road.</i>—Follows the valley of the Jilga stream. Easy for guns.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—No details.</p> <p><i>Supplies.</i>—No details.</p>	
2. Kalalgu ..	14	29	Carts.	<p><i>Road.</i>—As before ..</p> <p><i>Camp.</i>—No details ..</p>	<p><i>Water.</i>—No details.</p> <p><i>Supplies.</i>—No details; village of about 100 houses.</p>	
3. Camp ..	15	44	Camels Carts.	<p><i>Road.</i>—For 2 miles is much intersected with <i>nalas</i>, probably could be made practicable for wheeled transport.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—No details.</p> <p><i>Supplies.</i>—No details.</p>	
4. Ghazni ..	15?	59	Carts.	<p><i>Road.</i>—Running through Shilgarh plain, is said to be quite good for field artillery.</p> <p><i>Camp.</i>—Ample ground for camp of a large force. The town itself has capital stabling for a cavalry brigade.</p>	<p><i>Water.</i>—From the river abundant for any force.</p> <p><i>Supplies.</i>—Of all kinds in large quantities.</p>	

Section C.

ROUTE No. 4-A.

FROM THAL TO IDAK.

[Reference.—Routes in Waziristan, Route No. 7.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Shiwa .. (2,100')	10	10	Camels.	<i>Road.</i> —Made camel road 12 feet wide. Maximum gradient except in stage 3 over Tabai Narai where gradient is $\frac{1}{8}$. <i>Camp.</i> —Ample camping ground.	<i>Water.</i> —Ample from river. <i>Supplies.</i> —Fairly plentiful from villages round. <i>Fuel.</i> — <i>Fodder.</i> — <i>Grazing.</i> —	} No details.
2. Spinwam (2,300')	7 $\frac{1}{2}$	17 $\frac{1}{2}$	Camels.	<i>Road.</i> —In this stage road crosses many large, unbridged <i>nalas</i> , and this makes it the most difficult stage of the route. <i>Camp.</i> —Ample for a division.	<i>Water.</i> —From the Kaitu river. <i>Supplies.</i> —Plentiful. <i>Wood</i> and <i>grass</i> obtainable from hills to north-west. <i>Good grazing</i> for camels.	
3. Bobali (2,000') †	8 $\frac{1}{2}$	26	Camels.	<i>Road.</i> —The new road now in use crosses the Tabai Narai, the ascent steep, gradient $\frac{1}{8}$, but makes this stage a little shorter. Otherwise road easy. <i>Camp.</i> —No details.	<i>Water.</i> —Doubtful except by sinking wells on the Sheratala plain. <i>Grass.</i> —Said to be plentiful on the Sheratala plain in summer. No vegetation in winter.	
4. Idak .. (2,140') ‡	10 $\frac{1}{2}$	36 $\frac{1}{2}$	Camels.	<i>Road.</i> —Open and easy. <i>Camp.</i> —Suitable for one brigade of all arms.	<i>Water.</i> —Ample for one brigade, fair quality. <i>Supplies.</i> —Plentiful from villages and country round. <i>Grazing.</i> —For camels plentiful.	

* *Note.*—The direct route from Miram Shah joins at Spinwam, it has been improved and is fit for camels.

† *Note.*—This stage should be avoided by making 2nd camp at 12 $\frac{1}{2}$ miles from Idak and 14 miles from Shiwa on right bank of Baran Nala, north-east edge of Sheratala plain, making 3 stages instead of 4.

‡ *Note.*—Cavalry can easily cover the distance from Thal to Idak in two marches halting at Spinwam.

Section C.

ROUTE No. 4-B.

FROM BANNU TO DATTA KHEL.

[Reference.—Routes in Waziristan, Route No. 1.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Saiadgi (1,775').	15	15	Mechanical transport.	<i>Road.</i> —Metalled tonga road suitable for all arms. <i>Camp.</i> —Ample room for one brigade of all arms.	<i>Water.</i> —From river for one brigade of all arms. <i>Intermediate water.</i> —At Mirzail. <i>Supplies.</i> —Not to be relied on. No wood obtainable. <i>Grazing.</i> —For camels.	
2. Idak .. (2,140').	14	29	Mechanical transport.	<i>Road.</i> —Metalled, practicable for all arms. <i>Camp.</i> —For one brigade of all arms.	<i>Water.</i> —Fair quality, plentiful, ample for one brigade of all arms. <i>Intermediate water.</i> —At Shinkai and Khajuri. <i>Supplies.</i> —Plentiful from villages and country round. <i>Grazing.</i> —For camels.	
3. Miram Shah (3,050').	10	39	Mechanical transport.	* <i>Road.</i> —Metalled tonga road, practicable for all arms. <i>Camp.</i> —Suitable for one brigade of all arms.	<i>Water.</i> —Fair quality; ample for one brigade. <i>Supplies.</i> —Plentiful from villages round. <i>Grazing.</i> —For camels.	
4. Boya .. (3,600').	11	50	Mechanical transport.	<i>Road.</i> —Good, metalled tonga road, practicable for all arms, crosses Tochi river by a ford. <i>Camp.</i> —About one mile beyond Militia Post. Suitable for one brigade of all arms.	<i>Water.</i> —From spring in bed of Tochi river and water tanks inside Post sufficient for one brigade. <i>Intermediate water.</i> —At Ahmad Khel. <i>Supplies.</i> —Plentiful from Daur villages. <i>Grazing.</i> —For camels.	
6. Datta Khel (4,500').	14	64	(a) Mechanical transport. (b) Mules. (c) Mules and camels.	<i>Road.</i> —Metalled tonga road practicable for all arms. <i>Road.</i> —Easy for mules, but rather steep for laden camels. This road is three miles shorter than (a). <i>Road.</i> —Via Tut Narai route to Datta Khel, about 13 miles. Easy for mules and for camels if repaired in places. <i>Camp.</i> —Suitable for two brigades.	<i>Water.</i> —Is of very indifferent quality, but sufficient for one brigade. <i>Wood, grass and bhusa.</i> —Obtainable. <i>Camel grazing.</i>	

* Alternative routes:—

(a) 12 miles along river bed, mule transport only.

(b) 17 miles, mule transport only, no intermediate water. Skirting hills between Dawar valley and tonga road, cross tonga road at mile 31, skirt tonga road south of Isha Post and rejoin road at mile 36.

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Section C.

ROUTE No. 8-C.

FROM BANNU TO KANIGURAM *via* KHAISORA VALLEY AND MAKIN.

[Reference.—Routes in Waziristan, Route No. 43.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Mirian ..	9	9	Camels.	<i>Road.</i> —Easy* <i>Camp.</i> —For more than a brigade.	<i>Water.</i> —Plentiful up to May 4th, 1881, but none at all on May 21st, 1881. <i>Supplies.</i> — <i>Fodder.</i> — } Plentiful from left bank of Tochi river. <i>Fuel.</i> — }	
2. Spinwam	10	19	Camels.	<i>Road.</i> —Good for camels: last 6 miles bad for wheeled artillery. <i>Camp.</i> —1 mile by 400 yards.	<i>Water.</i> —Plentiful and good. <i>Supplies.</i> —Not to be relied on. <i>Fodder.</i> —Good camel grazing, and some <i>bhusa</i> . <i>Fuel.</i> —Limited.	
3. Dwa War-kha,	11	30	Camels.	<i>Road.</i> —At 2 miles Khaisora Tangi impassable for hours after heavy rain. At about 2½ and 5½ miles about 150 yards ascent and descent require improvement. At 6½ miles 300 yards rather steep ascent; thence good and easy. <i>Camp.</i> —For more than a brigade.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Not to be relied on. <i>Fodder.</i> —Very little camel grazing; some cultivation. <i>Fuel.</i> —No information.	
4. Saroba	13½	43½	Camels.	<i>Road.</i> —Presents no difficulty. <i>Camp.</i> —Bad, on stony slopes. <i>Intermediate camps.</i> —At 5½ miles for two battalions; at 8 miles for a brigade; at 10½ miles for 3,000 troops.	<i>Water.</i> —Good, varies in amount from plentiful to scarce. <i>Intermediate Water.</i> —Road follows bed of stream after first 2 miles. Water at 10½ miles is more plentiful than at Saroba. <i>Supplies.</i> —None. <i>Fodder.</i> —Good camel grazing, some crops. <i>Fuel.</i> —No information.	
5. Razani	11	54½	Camels.	<i>Road.</i> —Presents little difficulty; last mile rather steep. <i>Camp.</i> —For about 2 brigades.	<i>Water.</i> —Good and plentiful. <i>Intermediate water.</i> —None until 6½ miles from Saroba. <i>Supplies.</i> —None. <i>Fodder.</i> —Good camel grazing, and some cultivation. <i>Fuel.</i> —No information.	

*Ford to camp impassable after heavy rain. Water-supply in summer doubtful.

ROUTE No. 4-C.—concl'd.

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
6. Razmak	5½	60	Mules, Camels.*	<i>Road.</i> —Very narrow, fit for mules, but only in single file over the Pass. It is not possible to improve this road much and it would always be very difficult for camels. <i>Camp.</i> —Room for a division.	<i>Water.</i> —Good and ample. <i>Supplies.</i> —Nil. <i>Fodder.</i> —Scarce. <i>Camel-grazing.</i> —Poor.	
7. Makin†..	8	68	Camels.	<i>Road.</i> —Easy along the open valley of Taoda China. <i>Camp.</i> —For at least one brigade.	<i>Water.</i> —Sufficient for 1½ Brigades. <i>Supplies.</i> —Not to be relied on for operations. <i>Wood.</i> —Small quantities. <i>Fodder.</i> — <i>Bhusa</i> or <i>khasil</i> sufficient for animals of a brigade seem always to have been obtainable.	
8. Dwa Toi	6½	74½	Camels.	<i>Road.</i> —Fair, crosses and recrosses <i>nalas</i> many times, but practicable for camels. <i>Camp.</i> —Suitable for one brigade.	<i>Water.</i> —Good, ample for one brigade. <i>Supplies.</i> —Not to be relied on. <i>Camel-grazing.</i> —Fair. <i>Fodder.</i> — <i>Bhusa</i> or <i>khasil</i> sufficient for animals of a brigade seem to have always been obtainable.	
9. Kaniguram.	9	83½	Camels.	<i>Road.</i> —Fair, crosses and recrosses <i>nalas</i> and Baddar stream. <i>Camp.</i> —Excellent in all respects, about one mile short of village on right bank of river suitable for at least a brigade.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Not to be relied on except in August and September when one brigade should be able to supply itself for one or two days. <i>Fodder.</i> —A fair amount of grazing; <i>bhusa</i> or <i>khasil</i> sufficient for animals of one brigade seem always to have been procurable.	
Alternative to stages	8 and 9				<i>Fuel.</i> —Main street is roofed with rafters.	
8. Kaniguram.†	11½	79½	Mules.	<i>Road via</i> Maidan. The ascents and descents are steep. Fit for mules and repaired as far as Maidan in 1895.	..	

* In 1881 camels took about 6 hours from Razani to Razmak; in 1894 this stage was difficult for camels after several hours' work by troops. The *kotal* is a formidable position, not easily turned.

† Alternative route from Makin to Kanigaram *via* Maidan, *c/.* below.

Section C.

ROUTE No. 4-D.

FROM BANNU TO MAKIN *via* JANI KHEL AND SHAKTU VALLEY.

[Reference.—Routes in Waziristan—Routes No. 74 and 48.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Jani Khel	14½	14½	Camels.	<i>Road.</i> —Kach Kot stream bridged: Baran easily fordable: Tochi fordable except after heavy rain. <i>Camp.</i> —For about 2 brigades or more.	<i>Water.</i> —Sufficient for a fairly large force from tank near Police Post. <i>Supplies.</i> — } For 2,000 men and 3,000 animals for 1 day. <i>Fodder.</i> — } <i>Fuel.</i> —Scarce.	
2. Karkanwam.	11	25½	Camels.	<i>Road.</i> —Good, though rough. <i>Camp.</i> —For about 2 brigades or more.	<i>Water.</i> —From Shaktu river, none along road. <i>Supplies.</i> — } <i>Fodder.</i> — } No information. <i>Fuel.</i> — }	
3. Mandawam.	13½	39	Camels.	<i>Road.</i> —No great difficulties. <i>Camp.</i> —For about 2 brigades or more. <i>Intermediate camp.</i> —At 9 miles.	<i>Water.</i> —From stream. <i>Supplies.</i> —No information. <i>Fodder.</i> —Camel grazing and some cultivation. <i>Fuel.</i> —No information.	
4. Baramand	6½	45½	Camels.	<i>Road.</i> —At about 2 miles rather steep for 250 yards: at 3¼ miles rather steep ascent and descent to <i>nala</i> , thence very narrow in places: last 70 yards steep descent. <i>Camp.</i> —For about 2 brigades or more.	<i>Water.</i> —Good. <i>Supplies.</i> —None. <i>Fodder.</i> —Some cultivation. <i>Fuel.</i> —Probably scarce.	
5. Khurulai	10½	55½	Camels.	<i>Road.</i> —Presents no difficulties. <i>Camp.</i> —Very good; for 1 brigade or more.	<i>Water.</i> —Plentiful and good. <i>Supplies.</i> — } <i>Fodder.</i> — } No information. <i>Fuel.</i> — }	
6. Astonai or Malikshahi.	8	63½	Camels.	<i>Road.</i> —Easy. <i>Camp.</i> —On open, sloping ground.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —None. <i>Fodder.</i> — } Procurable in small quantities. <i>Fuel.</i> — }	
7. Makin ..	10½	74	Mules.*	<i>Road.</i> —Nazmarai Kotal at 3 miles, 7,200' high: ascent for 1 mile and descent for 3½ miles steep, but not difficult: from 6¼ miles practically for camels. <i>Camp.</i> —For at least 1 brigade.	<i>Water.</i> —Sufficient for 1½ brigades. <i>Supplies.</i> —Not to be relied on. <i>Fodder.</i> — <i>Bhusa</i> or <i>khasil</i> sufficient for the animals of a brigade seem always to have been obtainable. <i>Fuel.</i> —Small quantities.	

* According to native information laden camels can travel from Baramand or Khurulai by two alternative routes both good, to Jangal (see Route 4-E) and thence Makin.

Section C.

ROUTE No. 4-E.

FROM TANK TO MAKIN *via* TAKKI ZAM.

[Reference.—Routes in Waziris an, Rout. No. 52.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Kot Khirgi (1,900')	13½	13½	Camels.	<i>Road.</i> —No difficulties. <i>Camp.</i> —Practically unlimited, but rather stony.	<i>Water.</i> —From Zam. <i>Supplies.</i> — <i>Fodder.</i> — <i>Fuel.</i> —	} See footnote.
2. Jandola	6	19½	Camels.	<i>Road.</i> —Stream has to be forded some 15 times, water 1½ to 3 feet deep. Traverses Hinis Tangi, 400 yards long, liable to dangerous floods. <i>Camp.</i> —For a Division.	<i>Water.</i> —Sufficient, <i>Supplies.</i> —None. <i>Fodder.</i> —Grass plentiful, <i>bhusa</i> obtainable. <i>Fuel.</i> —Obtainable.	
3. Marghaband.	7	26½	Camels.	<i>Road.</i> —Direct road practicable for mules and cavalry, but road by bed of Takki Zam practicable for camels and very little longer. <i>Camp.</i> —Extensive and good.	<i>Water.</i> — <i>Supplies.</i> — <i>Fodder.</i> — <i>Fuel.</i> —	} See footnote.
4. Shilmanzai Kats.	11	37½	Camels.	<i>Road.</i> —Good; traverses Ahnai Tangi, 200 yards long. <i>Camp.</i> —Ample.	<i>Water.</i> — <i>Supplies.</i> — <i>Fodder.</i> — <i>Fuel.</i> —	
5. Janjal ..	9	46½	Camels.	<i>Road.</i> —Traverses Barari Tangi, strong defensive position. <i>Camp.</i> —For large force.	<i>Water.</i> — <i>Supplies.</i> — <i>Fodder.</i> — <i>Fuel.</i> —	} See footnote.
6. Makin ..	9½	56	Camels.	<i>Road.</i> —Joins Route 4-C at Dwa Toi (3 miles). <i>Camp.</i> —For at least 1 brigade.	<i>Water.</i> — <i>Supplies.</i> — <i>Fodder.</i> — <i>Fuel.</i> —	

Fuel and *camel grazing* are said to be sufficient throughout this route, and *fodder* is said to be obtainable from stacks where there are villages.

Supplies.—Are said to be unobtainable.

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Section C.

ROUTE No. 4-F.

FROM JANDOLA TO KANIGURAM *via* THE SHAHUR AND KHAISARA VALLEYS.

[Reference.—Routes in Waziristan, Route No. 53.]

Stage.	Mileage.	Road suitable for	Description of road and camps.	Supplies.	REMARKS.	
1. Haidari Kach. (3,100').	9½	9½	Camels.	<p><i>Road.</i>—Traverses Shahur Tangi from 5½ to 7¼ miles, breadth from 20 to 250 yards, subject to dangerous floods: stream has to be constantly forded in traversing tangi.</p> <p><i>Camp.</i>—For 2 brigades.</p>	<p><i>Water.</i>—See footnote.</p> <p><i>Supplies.</i>— } There is a good deal of cultivation.</p> <p><i>Fodder.</i>— }</p> <p><i>Fuel.</i>—Obtainable.</p>	
2. Barwand (3,880').	12	21½	Camels.	<p><i>Road.</i>—Easy throughout; from 8 miles a path for mules saves 1 mile.</p> <p><i>Camp.</i>—For 2 brigades.</p> <p><i>Intermediate camp.</i>—At Turan China (4 miles) for 2 brigades.</p>	<p><i>Water.</i>—Very good.</p> <p><i>Supplies.</i>—None.</p> <p><i>Fodder.</i>—Camel grazing very good; some cultivation.</p> <p><i>Fuel.</i>—Sufficient.</p>	
3. Tangi Raghza.	8½	30	Camels.	<p><i>Road.</i>—Easy throughout.</p> <p><i>Camp.</i>—For 2 brigades.</p>	<p><i>Water.</i>—</p> <p><i>Supplies.</i>— } See footnote.</p> <p><i>Fodder.</i>— }</p> <p><i>Fuel.</i>— }</p>	
4. Kundi-wam.	7	37	Camels,* Mules.	<p><i>Road.</i>—Has been improved, and was easy for camels: alternative route by Upper and Lower Narai Tangi, about 4 miles long, is practicable but bad for laden mules.</p> <p><i>Camp.</i>—Plenty of room has been used by 2 brigades.</p> <p><i>Intermediate Camp.</i>—At Narai Raghza about 3½ miles, for 2 brigades.</p>	<p><i>Water.</i>—</p> <p><i>Supplies.</i>— } See footnote.</p> <p><i>Fodder.</i>— }</p> <p><i>Fuel.</i>— }</p>	
5. Mughal Khel or Mano Salai. (6,600').	14	51	Camels* Mules.	<p><i>Road.</i>—Bad for camels at 7½ miles, very steep and difficult descent of 300'; thence for 2 miles steep and rough ascent by narrow path through dense jungle; at 9½ miles the Shrawangai Narai (7,150'). Thence very steep descent by bad road through jungle.</p> <p>Practicable throughout for mules.</p> <p><i>Camp.</i>—For about 2 brigades</p> <p><i>Intermediate camp.</i>—At about 5 to 6 miles in Shah Alam Raghza.</p>	<p><i>Water.</i>—Good and abundant.</p> <p><i>Supplies.</i>—None.</p> <p><i>Fodder.</i>—Grazing plentiful.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Water.</i>—At intermediate camp rather scarce.</p> <p><i>Fodder.</i>—At intermediate camp none except ilex.</p>	
6. Kaniguram (6,450')	3½	54½	Camels.	<p><i>Road.</i>—Easy except that it crosses one or two rather deep <i>nalas</i>.</p> <p><i>Camp.</i>—See Route 4-C.</p>	<p><i>Water.</i>—</p> <p><i>Supplies.</i>— } See Route 4-C.</p> <p><i>Fodder.</i>— }</p> <p><i>Fuel.</i>— }</p>	
Alternative to stage	5 above.					
5. Mano Salai (6,600')	14½	51½	Camels* Mules.	<p><i>Road.</i>—Crosses Shah Alam Raghza and Shrawangai <i>nala</i>, descent into which requires a little improvement; * at 9½ miles a short slope of 10°; at 10 miles 15 yards of narrow road require widening* thence easy for camels.</p> <p><i>Camp.</i>—See above.</p>	<p><i>Water.</i>—</p> <p><i>Supplies.</i>— } See above.</p> <p><i>Fodder.</i>— }</p> <p><i>Fuel.</i>— }</p>	

It is stated in Route Book that no supplies are obtainable on this route, but fuel, camel grazing and water are sufficient throughout.

* It is doubtful to what extent road has suffered from weather; and how much work on it might now be required to make it practicable for camels.

Section C.

ROUTE No. 4-G.

FROM TANK TO WANA, *via* THE GUMAL VALLEY.

[Reference.—Routes in Waziristan, Route No. 61.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Murtaza	19	19	Mechanical transport.	<i>Road.</i> —Metalled; bridges over streams. <i>Camp.</i> —No details.	<i>Water.</i> —Sufficient. <i>Supplies.</i> — <i>Fodder.</i> — <i>Fuel.</i> —	No information.
2. Nili Kats	11	30	Carts.	<i>Road.</i> —Unmetalled cart road, minimum breadth 12 feet. <i>Road.</i> —Crosses Gumal river at 2½ miles by a ford (steel girder bridge, which formerly existed has been washed away) passable all arms except after heavy rain. <i>Camp.</i> —Ample for a brigade.	<i>Water.</i> —Ample from Gumal river, ¼ mile distant; the water in <i>na'a</i> close under post should be avoided as it is strongly aperient. <i>Supplies.</i> —50 maunds rations, 2 maunds grain. <i>Grazing.</i> —For camels abundant but distant.	
3. Khajuri Kats.	17½	47½	Carts, Camels.	<i>Road.</i> —Unmetalled cart road. From 9 miles onwards road runs through the Khajuri Tangi. This Tangi is very narrow and owing to the precipitous sides, movements off the road are impossible. The route through the tangi at present (3rd August 1910) is blocked and the Gwaleri Pass route is being used. The Gwaleri route to Khajuri Kach 17 miles is in good repair, but fit only for camel transport. <i>Camp.</i> —For one brigade near Post, but room for force of any size to camp on left bank of Zhob river.	<i>Water.</i> —Ample from springs about ½ mile from Militia Post or from Gumal river above junction with the Zhob. The water from the Zhob river is unwholesome. <i>Supplies.</i> —50 maunds rations, 20 maunds grain. <i>Camel grazing.</i> —Abundant, but too distant to be of use except to a stationary force able to provide adequate grazing guards. <i>Forage.</i> —Scarce.	
4. Tanai ..	16½	64	Carts.	<i>Road.</i> —Unmetalled cart road. At ½ mile ford over Zhob river* and at one mile over Gumal river. These rivers become impassable for about 48 hours after heavy floods which take place in spring and in July and August after summer rains. The Gumal can be bridged above the ford as banks are steep (20' high) and only 100' apart.	<i>Water.</i> —From Spin canal liable to be cut off by enemy. From tanks which have been constructed close under the Post and contain 10,000 gallons. <i>Supplies.</i> —50 maunds rations, 26 maunds grain.	

Fuel, camel-grazing and water are said to be abundant throughout this route, but no supplies available (Route Book).

* May become unfordable for as long as a week.

Section C.

ROUTE 4-G—*contd.*

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
5. Wana ..	16½	80½	Camels.*	<p><i>Camp.</i>—Ample room for a brigade.</p> <p>*<i>Note.</i>—The old road from Khajuri Kach to Wana, <i>via</i> Ngandi Oba, forms an alternative route for camel transport.</p>	<p>A little grazing for camels.</p> <p><i>Firewood and forage.</i>—Nil.</p>	
			Carts.	<p><i>Camp.</i>—At Ngandi Oba ample for brigade, but water-supply is scanty and brackish. A well, however, 6' by 12' deep which was sunk prior to demolition of this post, is still in good repair and could be cleared in an hour, it would ensure a constant supply of 5' of water in the well. The water in this well is good.</p> <p><i>Road.</i>—Unmetalled cart road.</p> <p><i>Camp.</i>—Unlimited camping ground. Dāk b u n - galow. Telegraph.</p>	<p><i>Water.</i>—Ample for a brigade from Wana Toi, one mile distant; there is a well in the Post.</p> <p><i>Supplies.</i>—Possibly 150 maunds rations, 100 maunds grain.</p> <p><i>Camel-grazing.</i>—Poor.</p>	

Section C.

ROUTE No. 4-G.

FROM FORT SANDEMAN TO KHAJURI KACH *via* ZHOB VALLEY.

[Reference.—B. 46-Con., Routes in Northern Baluchistan, Route No. 1.]

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.	
1. Brunj (4,200').	13½	13½	Carts.	<p><i>Road.</i>—Good graded cart road liable, however, to be washed away in places by floods.</p> <p><i>Camp.</i>—Suitable for a division.</p>	<p><i>Water.</i>—From Zhob river, good and ample.</p> <p><i>Supplies.</i>—Obtainable on notice.</p> <p><i>Camel grazing.</i>—Plentiful.</p> <p><i>Forage.</i>—Scarce.</p>	
2. Safi (3,950 feet).	10½	23½	Carts.	<p><i>Road.</i>—Good graded unmetalled cart road. Bridged and drained.</p> <p><i>Camp.</i>—Suitable for a division.</p>	<p><i>Water.</i>—From Zhob abundant, but muddy.</p> <p><i>Supplies.</i>—Obtainable on notice.</p> <p><i>Grazing.</i>—For camels plentiful.</p> <p><i>Forage.</i>—Scarce.</p>	
3. Mir Ali Khel (3,620').	11½	34½	Carts.	<p><i>Road.</i>—Good, graded, unmetalled cart road, bridged and drained.</p> <p><i>Camp.</i>—Suitable for one division.</p>	<p><i>Water.</i>—From Zhob sufficient for one division.</p> <p><i>Supplies.</i>—On notice.</p> <p><i>Grazing.</i>—Plentiful.</p> <p><i>Forage.</i>—Scarce.</p>	
4. Mughal Kot (3,150').	14½	49	Camels.	<p><i>Road.</i>—Partially metalled, bridged and drained, but has been allowed to fall into disrepair and is now impassable for carts. Passable for field artillery and pack transport.</p> <p><i>Camp.</i>—Fit for ½ battalion.</p>	<p><i>Water.</i>—Abundant from Zhob river.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Camel grazing.</i>—Abundant.</p> <p><i>Wood and Forage.</i>—Plentiful.</p>	
5. Kuchbina (3,400').	7	56	Camels.	<p><i>Road.</i>—Partially metalled, bridged and drained, but unfit for wheel transport as out of repair.</p> <p><i>Camp.</i>—For one division.</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Supplies.</i>—Scarce.</p> <p><i>Forage.</i>—Scarce.</p> <p><i>Wood.</i>—Plentiful.</p> <p><i>Camel grazing.</i>—Plentiful.</p>	
6. Khajuri-Kats.	13½	69½	Camels.	<p><i>Road.</i>—As above.</p> <p><i>Camp.</i>—Ample for one division.</p>	<p><i>Water.</i>—Ample from Zhob and Gumal rivers the latter should be used as that of the Zhob is very unwholesome.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Camel grazing.</i>—Plentiful but some distance away.</p> <p><i>Forage.</i>—Scarce.</p>	

Section C.

ROUTE No. 4-I.

FROM WANA TO KANIGURAM *viâ* INZAR NARAI.

[Reference.—Routes in Waziristan, Route No. 69.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Shakai ..	12½	12½	Camels.	<i>Road.</i> —Presents no difficulty, traversed by a column (1,100 rifles) in 1901, without transport. <i>Camp.</i> —Ample room in open valley of Shakai for a large force.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Not to be relied on. <i>Fuel and grazing.</i> —In abundance. <i>Fodder and grain.</i> —Obtainable in August and September.	
2. Kaniguram (6,450').	11½	24	Camels.	<i>Road.</i> —Easy over Shakai plain striking the Kundiwam-Laro Lar route, 8½ miles from Kaniguram. <i>Camp.</i> —About one mile short of village on right bank of river excellent in all respects, suitable for at least a brigade.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Not to be relied on except in August and September when a brigade should be able to supply itself for one or two days. <i>Fodder.</i> —A fair amount of cultivation and grazing; <i>bhua</i> or <i>khasil</i> sufficient for animals of a brigade seem to have been always procurable. <i>Fuel.</i> —Main street is covered in with rafters.	

Route No. 4-J.

Section C.

FROM WANA TO KANIGURAM *viâ* TIARZA NARAI.

[Reference.—Routes in Waziristan.—Routes Nos. 67-53.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kundiwam	12	12	Camels.	<i>Road.</i> —Presents no difficulty to camel transport. <i>Camp.</i> —Spacious camping ground ample for a brigade.	<i>Water.</i> —Sufficient for a brigade. <i>Fodder and firewood.</i> —Obtainable in small quantities. <i>Supplies.</i> —Nil.	
2. Mughal Khel or Mana-Salai (6,600').*	14	26	Camels.	<i>Road.</i> —Open and easy for camels for 7½ miles, from 7½ to 13 miles it is difficult and steep. <i>Camp.</i> —On level ground by old Fort of Mana Salai (one brigade camped there in 1894). *This stage may be shortened by camping at Shah Alam Raghza where there is a good camping ground: water, however, is scarce.	<i>Water.</i> —From Baddar Algad stream is good and abundant. <i>Supplies.</i> —Not to be relied on. <i>Wood and grazing.</i> —For camels plentiful.	
3. Kaniguram (6,450').†	3½	29½	Camels.	<i>Road.</i> —Crosses one or two deep <i>nala</i> beds, otherwise easy.† <i>Camp.</i> —Excellent in all respects on right bank of river. Ample room for a brigade.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Not to be relied on. <i>Fodder.</i> —A certain amount of cultivation and grazing. <i>Fuel.</i> —Main street is roofed with rafters.	

*Cf. Operations, 1894-95.

†This road is reported in 1894-95 to have been very bad.

Section C.

ROUTE No. 4-K.

FROM WANA TO DATTA KHEL AND TOCHI VALLEY *via* SHAWAL.

[Reference.—Routes in Waziristan—Routes Nos. 70 and 35.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Khojal Khel (5,780')	14	14	Camels.	<i>Road.</i> —Easy and fit for laden camels. <i>Camp.</i> —No details.	<i>Water.</i> —Excellent supply from river. <i>Intermediate water.</i> —At 11½ miles.	Route impassable in winter months.
2. Shrekhawre	14	28	Mules.	<i>Road.</i> —Narrow and tortuous; impassable in winter months. <i>Camp.</i> —Wide open camping grounds.	<i>Water.</i> — <i>Supplies.</i> — } No details.	
3. Darbar .. (8,000').	7½	35½	Mules.	<i>Road.</i> —20' wide with easy gradients, but the Dre Nashitar Pass is not practicable for camels (height 8,730'). <i>Camp.</i> —Open ground for camping, ample room.	<i>Water.</i> —Good and ample. <i>Supplies.</i> —Not to be relied on. <i>Grass.</i> —Scarce in winter, plentiful in summer. <i>Fuel.</i> —Pine woods on all the hills round.	
4. Mana ..	10	45½	Mules, (camels).	<i>Road.</i> —Easy and probably could be made passable for camels with little difficulty. Country open. <i>Camp.</i> —Above the village of Jani Khel.	<i>Water.</i> —Good and ample. <i>Supplies.</i> —Not to be relied on. <i>Grass.</i> —Plentiful. <i>Wood.</i> —Plentiful.	
5. Khina Algad.	9	54½	Mules, Camels.*	<i>Road.</i> —Good, broad except at 5 miles where descent from Khina Narai is steep and rough*. A week's work by a company of Sappers would make it fit for camels. <i>Camp.</i> —A fair amount of open ground sufficient for 1,200 or 1,500 men with transport, but the water-supply is scanty.	<i>Water.</i> —None in main stream, but a little obtainable from side stream running down from hills on the left bank. <i>Supplies.</i> —Not to be relied on. <i>Wood.</i> —Plentiful. <i>Grass.</i> —Plentiful.	
6. Datta Khel (4,500').	11	65½	Mules, (Camel).	<i>Road.</i> —Easy throughout except at the Kotal of Shatghalai Narai and even here presents no difficulty to mules. <i>Camp.</i> —Suitable for two Brigades.	<i>Water.</i> —Is of very indifferent quality, but ample for one brigade. <i>Wood, grass, and bhusa.</i> —Obtainable. <i>Grazing.</i> —For camels.	

Note.—The road from the Shawal to Datta Khel is practicable for camels with the exception of the Shatghalai and Khina-Narais—a week's work by a company of Sappers could make these practicable, but these ascents would always be trying for camels, unless a new alignment were taken which would entail considerable expenditure.

Section C.

Route No. 4-L.

FROM DATTA KHEL TO MAKIN *viâ* SHUIDAR NARAI.

[Reference.—Routes in Waziristan, Route No. 40.]

Stage.	Mileage		Road suitable for	Camps.	Supplies.	REMARKS.
1. Spina-Punga (8,400').	11½	11½	Mules.	<p><i>Road.</i>—Easy for mules and well defined throughout.</p> <p><i>Camping ground.</i>—Half mile beyond the Spina Punga on open grassy plateau suitable for one brigade.</p>	<p><i>Water.</i>—Sufficient for one brigade from river.</p> <p><i>Supplies.</i>—Not sufficient to be relied on for operations.</p> <p><i>Fodder.</i>—A fair amount of grazing.</p>	
2. Makin ..	15½	27	Mules.	<p><i>Road.</i>—In places very steep and difficult.</p> <p><i>Camping ground.</i>—For at least one brigade.</p>	<p><i>Water.</i>—Sufficient for 1½ brigades.</p> <p><i>Supplies.</i>—Not sufficient to be relied on for operations.</p> <p><i>Wood.</i>—Obtainable in small quantities.</p> <p><i>Fodder.</i>—<i>Bhusa</i> or <i>khasil</i> sufficient for animals of a brigade seem always to have been obtainable.</p>	

Section C.

Route No. 4-M.

FROM BOYA TO RAZANI *viâ* LOARGAI NARAI.

[Reference.—Routes in Waziristan, Routes Nos. 1 and 34.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Datta Khel (4,500').	14	14	Camels.	Route 4-B, stage 5.		
2. Razani ..	15	29	Mules.	<p><i>Road.</i>—Excellent for 5½ miles, then rough, but fit for mules. Could be easily improved except in one place where blasting would be necessary to make it passable for laden camels.</p> <p>The Loargai Narai (6,050') is an open undulating plain suitable for a camp, wood and grazing plentiful, but water scarce. From the Pass road runs down broad <i>nala</i> and is easy throughout to Razani.</p> <p><i>Camp.</i>—Good, ample for one brigade.</p>	<p><i>Water.</i>—Good and ample for one brigade.</p> <p><i>Supplies.</i>—Not to be relied on.</p> <p><i>Fodder.</i>—200 <i>kanals</i> of green crops were cut for fodder in May 1881.</p> <p><i>Camel grazing.</i>—Plentiful.</p>	

Section C.

Route No. 4-N.

FROM MIRAM SHAH TO RAZANI *via* TUT NARAI.

[Reference.—Routes in Waziristan, Route No. 46.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Razani	21	21	Camels,* Mules.	<p><i>Road.</i>—Surveyed only as far as Tut Narai (13 miles).</p> <p>*From 12 miles to 12½ miles road would require repair before practicable for laden camels.</p> <p><i>Camping ground.</i>—South of village; ample room for one brigade.</p>	<p><i>Water.</i>—Good and plentiful from stream and canals—ample for one brigade.</p> <p><i>Supplies.</i>—Camel grazing plentiful, 200 <i>kanals</i> of green crops were cut for fodder in May 1881.</p> <p>No other supplies available.</p>	

Section C.

Route No. 4-O.

FROM RAZANI TO WALADIN (SHAKTU VALLEY).

[Reference.—Routes in Waziristan, Route No. 49.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Sham Plateau. (6,000').	11½	11½	Camels,* Mules.	<p><i>Road.</i>—At 8½ miles is <i>tangi</i> 20 yards long, 4' wide, requires widening*, easily done. Practicable for mules, alternative routes for last 1½ miles: left hand fit for camels, right for mules.</p> <p><i>Camp.</i>—For a brigade or more.</p>	<p><i>Water.</i>—Good and plentiful.</p> <p><i>Supplies.</i>—None.</p> <p><i>Fodder.</i>—Plenty of grass and some camel grazing.</p> <p><i>Fuel.</i>—No information.</p>	
2. Waladin (5,500').	6½	18½	Camels.	<p><i>Road.</i>—Easy throughout, an alternative road for mules, saves 1 mile.</p> <p><i>Camp.</i>—For a brigade or more.</p>	<p><i>Water.</i>—Good and plentiful.</p> <p><i>Supplies.</i>—None.</p> <p><i>Fodder.</i>—Some cultivation and a little camel grazing.</p> <p><i>Fuel.</i>—No information.</p>	

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Article 2.

Route No. 4-P.

FROM KARKANDWAM TO JANDOLA, *viâ* SHERANNA AND SHUZA NALAS.

[Reference.—Routes in Waziristan, Route No. 50.]

Stage.	Mileage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Babar ..	12	12	Camels.	<i>Road.</i> —First 10 miles same as stage 3 of Route 4-D. <i>Camp.</i> —For 2 battalions or more.	<i>Water.</i> — <i>Supplies.</i> — <i>Fodder.</i> — <i>Fuel.</i> —	No information.
2. Khoz Hoba.	7½	19½	*Camels.	<i>Road.</i> —At 2 miles a gorge 300 yards long would probably require improvement.* <i>Camp.</i> —Holds 600 men.	<i>Water.</i> —Bad. <i>Supplies.</i> — <i>Fodder.</i> — <i>Fuel.</i> —	No information.
3. Camp (Mouth of Karkanai Nala).	10	29½	Camels.	<i>Road.</i> —Easy.] <i>Camp.</i> —Small.	<i>Water.</i> —Very Good. <i>Supplies.</i> —No information. <i>Fodder.</i> —Procurable from Shakrai villages, 2 miles off. <i>Fuel.</i> —No information.	
4. Supa Kat.	16	45½	Camels.	<i>Road.</i> —Easy. <i>Camp.</i> —For about a brigade. <i>Intermediate camp.</i> —At 4 miles. Water bad.	<i>Water.</i> —Brackish and scarce. <i>Supplies.</i> —None. <i>Fodder.</i> — <i>Fuel.</i> —	No information.
5. Jandola	9½	54½	Camels.	<i>Road.</i> —Bad ascent for first 2½ miles up a <i>nala</i> , then very steep descent about a furlong. <i>Camp.</i> —For a division.	<i>Water.</i> —Sufficient. <i>Supplies.</i> —None. <i>Fodder.</i> —Grass plentiful, <i>bhusa</i> obtainable. <i>Fuel.</i> —Obtainable.	

Water along the route during stages 2, 3, and 4 is brackish, in parts undrinkable, but at stages themselves there is always drinkable water for a small column.

Section C.

Route No. 4-Q.

FROM KARKANDWAM TO JANDOLA *via* SAMMAL NARAI AND LILANG NALAS.

[Reference.—Routes in Waziristan, Route No. 51.]

Stage.	Milage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Teghnai Nala.	11½	11½	Mules.	<i>Road.</i> —Good going, but stony. <i>Camp.</i> —No details.	<i>Water.</i> —Sufficient for a small column. <i>Supplies.</i> — <i>Fodder.</i> — } No information. <i>Fuel.</i> — }	
2. Camp in Lilang Nala.	11	22½	Mules.	<i>Road.</i> —First 1½ miles steep ascent, and again at 3 miles; path very narrow for short distance at 3 miles. Otherwise easy. <i>Camp.</i> —No details. <i>Intermediate camp.</i> —At 3½ miles for a brigade or more.	<i>Water.</i> —Brackish and scanty. <i>Intermediate water.</i> —At 3 miles. <i>Supplies.</i> — <i>Fodder.</i> — } No information. <i>Fuel.</i> — }	
3. Supa Kats.	10½	33	Mules.	<i>Road.</i> —Easy to 7 miles where it joins Route 4-P, stage 4. <i>Camp.</i> —See Route 4-P.	<i>Water.</i> —Brackish and scarce <i>Supplies.</i> —None. <i>Fodder.</i> — } No information. <i>Fuel.</i> — }	
4. Jandola.	9½	42¼	Camels.	See Route 4-P above.	....

Section C.

Route No. 4-R.

FROM MARGHABAND (TAKKI ZAM) TO KANIGURAM *viâ* KARWAN NARAI.

[Reference.—Routes in Waziris'an, Route No. 55.]

Stage.	Milengo.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Bahadur Khol. (4,500').	10	10	Camels.	<i>Road.</i> —No great difficulties. <i>Camp.</i> —For a brigade or more.	<i>Water.</i> —Very scarce, from wells sunk by sappers. <i>Intermediate water.</i> —From stream as far as 3¼ miles. <i>Supplies.</i> —No information. <i>Fodder.</i> —Good camel-grazing; grass obtainable. <i>Fuel.</i> —Plentiful.	
2. Ahmadwam. (4,450').	6½	16½	Camels,* Mules.	<i>Road.</i> —A little work would make this road easy for camels.* <i>Camp.</i> —For a brigade or more.	<i>Water.</i> —Good. <i>Supplies.</i> —No information. <i>Fodder.</i> —Plenty of grass. <i>Fuel.</i> —Not abundant.	
3. Kaniguram	12½	29	Mules.	<i>Road.</i> —Easy for camels for first 3½ miles; thence to 6½ miles a series of <i>tang's</i> , very narrow and difficult, almost impassable for laden camels. Thence ascent to Karwam Kotal at 8½ miles not difficult, but descent from 8½ to 10 miles steep and rough, difficult for Indian camels. Then ½ mile easy going, and last 2 miles bad, along stony river bed with a good deal of water in the stream. <i>Camp.</i> —For at least a brigade. <i>Intermediate camp.</i> —At Karama, 6½ miles, good.	<i>Water.</i> —Plentiful. <i>Intermediate water.</i> —Up to 6½ miles, and after 10½ miles. <i>Supplies.</i> —Not to be relied on, except in August and September, when a brigade should be able to support itself for one or two days. Cultivation at Karama (6½ miles). <i>Fodder.</i> — <i>Bhusa</i> or <i>khasil</i> for the animals of a brigade seems a ways to have been procurable. At Karama grass and camel grazing. <i>Fuel.</i> —Main street is covered in with rafters.	

This route is used by Wazir camels, but stage 3 is not practicable for laden plains camels.

Section C.

Route No. 4-S.

FROM JANDOLA TO WANA *via* SARWEKAI.

[Reference.—Routes in Waziristan, Routes Nos. 53 and 60.]

Stage.	Milage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Haidari Kats. (3,100').	9½	9½	Camels.*	See Route 4-F .. ..	....
2. Sarwekai. (4,075').	11	20½	Camels.*	<i>Road.</i> —No great difficulties. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —No information. <i>Fodder.</i> —Camel grazing plentiful.	
3. Tanai ..	13	33½	Camels.	<i>Road.</i> —Is kept in good condition. <i>Camp.</i> —Ample room available. <i>Intermediate camps.</i> —At Dargai (about 8½ miles) for a brigade: at Ngandi Oba (11 miles) ample room.	<i>Fuel.</i> —No information. <i>Water.</i> —From canal, liable to be cut off or interrupted by floods: 1,000 gallons in tanks under Militia post. <i>Intermediate water.</i> —Scarce at Dargai and Ngandi Oba. <i>Supplies.</i> —None. <i>Fodder.</i> —Camel grazing abundant at Tanai; at Dargai none, and at Ngandi Oba camel grazing obtainable. <i>Fuel.</i> —Abundant at Tanai; at Dargai none, and at Ngandi Oba not to be relied on.	
4. Wana .. (4,500').	15	38½	Carts.	See Route 4-G.	....

*Road on stages 1 and 2 has been allowed to fall into disrepair, and would require a little work to make it fit for camels.

Section C.

Route No. 4-T.

FROM MURTAZA (GUMAL) TO BARWAND (SHAHUR) *via* KHWUZHMA SAR AND SARWEKAI.

[Reference.—Routes in Waziristan, Routes Nos. 63 and 60-A.]

Stage.	Milage.		Road suitable for	Description of road and camps.	Supplies.	REMARKS.
1. Sarwekai (4,075').	24	24	Mules.	<i>Road.</i> —Crosses Khwuzhma kotal (5,000') at 12½ miles; ascent in 7 or 8, descent rough for half a mile. Could be made practicable for camels. <i>Camp.</i> —No details.	<i>Water.</i> —There is no drinkable water for 13½ miles along this stage: at Sarwekai, good and abundant. <i>Supplies.</i> —No information. <i>Fodder.</i> —Camel grazing plentiful. <i>Fuel.</i> —No information.	
2. Barwand. (3,880').	5	29	Camels.	<i>Road.</i> —Over undulating stony ground. <i>Camp.</i> —Two good camping grounds, one on each side of river. One brigade camped there in 1894-95.	<i>Water.</i> —Excellent; ample for a brigade. <i>Supplies.</i> —Nil. <i>Camel grazing.</i> —Excellent. <i>Firewood and khasil.</i> —Sufficient.*	

*Presumably for a Brigade, as a force of that size was at Barwand in 1881.

Section C.

ROUTE No. 5.

FROM THAL TO GHAZNI *via* MATUN.

[Reference.—Routes in Afghanistan S. F., Routes Nos. 28 and 60.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Manduri ..	13	13	Carts.	<i>Road.</i> —Metalled up to 3 miles, then unmetalled and hilly but with easy gradients and corners, 16 ft. wide throughout with short exceptions. <i>Camp.</i> —A poor camp 25' above road north of and close to village of Manduri—area 40,000 square yards.	<i>Water.</i> —Ample <i>Supplies.</i> —Nil <i>Fuel.</i> —Scarce. <i>Grass.</i> —After rain. <i>Camel grazing.</i> —Available.	
2. Skardand ..	6	19	Camels Carts.	<i>Road.</i> —Easy for pack transport and could with little difficulty be made suitable for carts. <i>Camp.</i> —Unlimited camping ground.	<i>Water.</i> —Small supply but could probably be obtained anywhere in the plain by sinking-wells. <i>Supplies.</i> —No details. <i>Fuel.</i> —Obtainable.	
3. Shabak Pass (4,126').	6	25	Camels.	<i>Road.</i> —No difficulty for pack transport. <i>Camp.</i> —Extensive camping ground on the Shabak plain.	<i>Water.</i> —Always should be sufficient for a brigade and could be augmented by digging wells in the nalas. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Abundant. <i>Grass.</i> —Excellent. <i>Camel grazing.</i> —Excellent.	
4. Landha ..	8	33	Camels.	<i>Road.</i> —Descent from the Pass is steep for a short distance but presents no difficulty to pack transport. <i>Camp.</i> —Ample room for camping grounds.	<i>Water.</i> —Ample supply from the river. <i>Supplies.</i> —No details. <i>Fuel.</i> —Procurable.	
5. Matun (3,892').	11	44	Camels.	<i>Road.</i> —Over level plain, good in fine weather but bad for camels after rain. <i>Camp.</i> —No details.	<i>Water.</i> —No details but a force of one regiment cavalry and 3 battalions infantry are stationed here. <i>Supplies.</i> —No details.	
6. Haidar Khel	12	56	Camels.	<i>Road.</i> —A made camel road kept in good repair. <i>Camp.</i> —Grassy ground on right of road suitable for a division.	<i>Water.</i> —Abundant from Shamil river and tributary streams. <i>Supplies.</i> —No details.	
7. Camp (2 miles short of Almarah).	11	67	Camels.	<i>Road.</i> —Still good but not kept so well as in previous stage. <i>Camp.</i> —On high ground, fit for a brigade.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —No details. <i>Fuel.</i> —Plentiful.	
8. Babrak Kala.	11	78	Camels.	<i>Road.</i> —Fit for camels but narrows at about 4 miles and becomes rather difficult. <i>Camp.</i> —Good site for a brigade camp.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —No details. <i>Fuel.</i> —Plentiful.	

Section C.

ROUTE No. 5—contd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
9. Wazha ..	13	91	Camels.	<i>Road.</i> —Now only a track but still fit for camels. <i>Camp.</i> —For a brigade on cultivated ground.	<i>Water.</i> —Plentiful. <i>Fuel.</i> —Plentiful. <i>Supplies.</i> —No details.	
10. Judran hamlets.	10	101	Camels.	<i>Road.</i> —Crosses and recrosses the Shamil river (2 to 2½ ft, in September). <i>Camp.</i> —On cultivated ground for a brigade.	<i>Water.</i> —plentiful. <i>Fuel.</i> —Plentiful. <i>Supplies.</i> —No details.	
11. Lal Gul ..	11	112	Mules and Camels.	<i>Road.</i> —Fit for camels to 4 miles then to top of Pass at 7 miles very steep (height of Pass about 10,150') and unfit for camels. The soil, however, is soft and a better road could easily be made. The descent from the Pass is gradual. <i>Camp.</i> —For a brigade.	<i>Water.</i> —Plentiful from excellent spring on road just beyond the village. <i>Fuel.</i> —Plentiful from the hills. <i>Supplies.</i> —No details.	
12. Gardez ..	12	124	Camels.	<i>Road.</i> —Easy for camels <i>Camp.</i> —For a division	<i>Water.</i> —Plentiful. <i>Supplies.</i> —In small quantities. <i>Forage.</i> —Obtainable.	
13. Camp ..	15	139	Carts.	<i>Road.</i> —Follows the valley of the Jilga stream. Easy for guns. <i>Camp.</i> —No details.	<i>Water.</i> —No details. <i>Supplies.</i> —No details.	
14. Kalalgu ..	14	153	Carts.	<i>Road.</i> —As before .. <i>Camp.</i> —No details.	<i>Water.</i> —No details. <i>Supplies.</i> —No details. A village of about 100 houses.	
15. Camp ..	15	168	Camels Carts.	<i>Road.</i> —For 2 miles is much intersected with nalas, however, could probably be made practicable for wheeled transport. <i>Camp.</i> —No details.	<i>Water.</i> —No details. <i>Supplies.</i> —No details.	
16. Ghazni ..	(15?)	183	Carts.	<i>Road.</i> —Runs through the Shilgarh plain and is said to be quite fit for field artillery. <i>Camp.</i> —Ample ground for camp of a large force. The town itself has excellent stabling for a cavalry brigade.	<i>Water.</i> —From the river abundant for any force. <i>Supplies.</i> —Of all kinds in large quantities.	

Section C.

ROUTE No 4-A.

FROM BANNU TO THAL, *viâ* GUMATTI PASS.

[Reference.—Routes in Waziristan, Route No. 5.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Zerwam..	17	17	Camels.	<p><i>Road.</i>—The Kurram river is unfordable during floods and in the summer months. The country is rugged and there are difficult defiles.</p> <p><i>Camp.</i>—Below village for one brigade, also easily defended camp just above the village for a small brigade.</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Supplies.</i>—Very scarce.</p> <p><i>Camel-grazing.</i>—Obtainable.</p>	
2. Drozandi	13½	30½	Camels.	<p><i>Road.</i>—Difficult in places for laden camels and would require a little work on it through the gorge of Lamda Zaugara.</p> <p><i>Camp.</i>—Extensive ground for camp on large, level plain.</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Supplies.</i>—Should be procurable in fair quantities from the many villages round.</p> <p><i>Forage.</i>—<i>Bhusa</i> should be obtainable in fair quantity on notice.</p> <p><i>Camel-grazing.</i>—Good.</p>	
3. Thal ..	9½	40	Camels.	<p><i>Road.</i>—No great difficulty except perhaps at the ford over the Kurram in the summer months or during floods.</p> <p><i>Camp.</i>—Three camps: (a) 11,000 square yards west of and near railway station; (b) on right bank of Sangroba nala, 200,000 square yards; (c) due east of railway station, 160,000 yards.</p>	<p><i>Water.</i>—From tank in fort and railway station. Spring in Sangroba nala and in Kurram river ¾ mile down Spinwam road.</p> <p><i>Supplies.</i>—Obtainable on notice, say 50 maunds wheat, atta, or gram at one day's notice; 2 maunds rice and salt at one day's notice.</p> <p><i>Forage.</i>—Obtainable in fair quantity on notice to civil authorities, say 100-200 maunds <i>bhusa</i> at one day's notice.</p> <p><i>Fuel.</i>—Plentiful from hill to south, 1½ miles distant and by contract.</p> <p><i>Camel-grazing.</i>—Good.</p>	

Section C.

ROUTE No. 5-B.

FROM BANNU TO DERA ISMAIL KHAN.

[Reference.—Routes in Waziristan, Route No. 78.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Naurang ..	16	16	Mechanical transport.	Road.—Metalled throughout, bridges 18', metalling 9', maximum gradient 1 in 20. Camp.—North of the <i>sarai</i> .	Water.—Plentiful, supply fair water from two wells and for animals from canals. Supplies.—Sufficient for one Indian infantry regiment with transport.	
2. Gambila ..	9	25	Mechanical transport.	Road.—As above .. Camp.—On river bank, 166' by 166' but plenty of room all round.	Water.—From river, good and plentiful, one good well with troughs for 15 horses—ample for one brigade. Supplies.—Scarce.	
3. Ghazni Khel	11	36	Mechanical transport.	Road.—As above. Camp.—One mile from the village. 40,494 square yards.	Water.—Good, but supply limited, probably sufficient for a weak brigade from two Government wells, <i>nalas</i> and tanks. Supplies.—Scanty.	
4. Pezu	16	52	Carts Mechanical transport..	Road.—As above, but in 1910 was breached and only temporarily passable for tongas. It should by now have been repaired and fit for traffic. Camp.—For a brigade	Water.—Good and plentiful, sufficient to supply an infantry brigade for two weeks. Supplies.—Scanty.	
5. Chanda ..	5	57	Mechanical transport..	Road.—Metalled cart road 9' of metalling bridges 18', maximum gradient 1 in 20. Camp.—West of village and east of road.	Water.—Scanty. Supplies.—Scarce.	
6. Yarik	11	68	Mechanical transport..	Road.—As before. Camp.—East of road, close to village.	Water.—Very scarce. Supplies.—Very scarce.	
7. Saggi Rukh	11½	79½	Mechanical transport.	Road.—As before. Camp.—Small east of road, close to village.	Water.—A tank is being built to be filled from Kala Pani channel.	
8. Dera Ismail Khan.	9	88½	Mechanical transport..	Road, as before.		

Section C.

ROUTE No. 6.

FROM GARDEZ TO KABUL *viâ* ALTIMUR PASS.

[Reference.—Routes in Afghanistan S. E., Routes Nos. 28, 22 and 18.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Tandan ..	11	11	Camels.	<i>Road.</i> —Easy, could be made practicable for field artillery with little difficulty. <i>Camp.</i> —For a brigade	<i>Water.</i> —From springs for a brigade with transport. <i>Supplies.</i> —No details.	
2. Altinur ..	10	21	Camels.	<i>Road.</i> —Crosses the Altinur Kotal; would require much labour and blasting to make practicable the descent from the pass for guns and wheeled transport, otherwise easy. <i>Camp.</i> —For a brigade.	<i>Water.</i> —For a brigade. <i>Supplies.</i> —No details.	
3. Padkau .. Roghani.	13	34	Camels.	<i>Road.</i> —Easy, country after 5 miles practicable for cavalry. <i>Camp.</i> —Good camping ground on low hills west of village. Two infantry brigades have camped here.	<i>Water.</i> —For two brigades at least. <i>Supplies.</i> —Plentiful. <i>Fuel.</i> —Plentiful.	
4. Hisarak ..	7	..	Camels.	<i>Road.</i> —Narrow for 5 miles then easy—fit for artillery. <i>Camp.</i> —No details, probably room for two brigades of infantry.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —No details; plentiful in the vicinity.	
5. Zarganshahr	10	51	Camels.	<i>Road.</i> —Easy, practicable for guns. <i>Camp.</i> —C a m p i n g ground—good and unlimited.	<i>Water.</i> —Ample and good in the vicinity. <i>Fuel.</i> —Abundant. <i>Fodder.</i> —Abundant.	
6. Saiadabad	12	63	Camels.	<i>Road.</i> —Good and broad throughout, practicable for artillery. <i>Camp.</i> —Room for a division.	<i>Water.</i> —Abundant. <i>Supplies.</i> —300 maunds of grain and fodder for 4,000 animals obtainable.	
7. Charasia ..	10	73	Camels.	<i>Road.</i> —Excellent all the way. <i>Camp.</i> —On open plain south of village near main road, unlimited.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —1,000 maunds of grain, and fodder for 10,000 animals for one day would be obtainable at any time.	
8. Kabul ..	11	84	Camels.	<i>Road.</i> —Level and good, enters a defile at 6 miles which, though practicable for all arms, would delay a large force owing to its narrowness. <i>Camp.</i> —Unlimited space for camps round and in the town.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Sufficient for a force of 10,000 men with followers and transport for 12 months.	

Section C.

ROUTE No. 7.

FROM KABUL TO HARIKAR (MAIN ROUTE.)

[Reference.—Routes in Afghanistan N. E., Routes Nos. 11 and 12.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kala-i-Murad Beg.	13	13	Carts.	<i>Road.</i> —Unmetalled, dry and dusty in summer and heavy in winter, used by Amir when driving to Jabl-us-Siraj. <i>Camp.</i> —No details	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Plentiful	
2. Karabagh	14 (1)	27 (1)	Carts.	<i>Road.</i> —As before .. <i>Camp.</i> —No details.	<i>Water.</i> —Probably plentiful. <i>Supplies.</i> —Plentiful,	
3. Charikar ..	13 (1)	40 (1)	Carts.	<i>Road.</i> —As before .. <i>Camp.</i> —No details	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Of all kinds abundant. <i>Forage.</i> —For horses and camels excellent,	

ROUTE No. 7-A.

FROM KABUL TO CHARIKAR (COMPOSITE ROUTE.)

[Reference.—Routes in Afghanistan N. E.—Route No. 11.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kojjin ..	10½	10½	Carts.	<i>Road.</i> —For this stage runs along the Amir's motor road to Jabl-us-Siraj via Karabagh, fit for carts, unmetalled, dusty in dry weather and heavy after rain. <i>Camp.</i> —Roomy camping ground opposite village of Kara Dushman.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Abundant.	
2. Dara-i-Farza	11½	22	Camels.	<i>Road.</i> —The cart road to Karatagh branches off at about 2 miles and the road is now a camel road. At 9½ miles crosses Kahdara stream which might be difficult to cross in the spring, but could be easily bridged, timber available for bridging. <i>Camp.</i> —Probably ground for large force to camp.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Plentiful. <i>Camel thorn.</i> —Abundant.	
3. Ziarat-i-Shahid.	12	34	Camels.	<i>Road.</i> —Fit for camel transport and with a little difficulty for field artillery. <i>Camp.</i> —No details.	<i>Water.</i> —From canal. <i>Supplies.</i> —Plentiful. <i>Camel thorn.</i> —Abundant.	
4. Charikar ..	6	40	Carts. Camels*	<i>Road.</i> —Rejoins the motor road to Jabl-us-Siraj, dusty in dry weather and heavy going in rain. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Of all sorts abundant. <i>Forage.</i> —For horses and camels excellent.	

* Camel transport could avoid Ziarat-i-Shahid and go by more westerly route direct to Charikar about 16 miles.

Section C.

ROUTE No. 7-B.

FROM KABUL TO CHARIKAR (ALTERNATIVE ROUTE).

[Reference.—Routes in Afghanistan N. E., Route No. 13.]

Stage.	Mileage.		Road suitable for.	Camps.	Supplies.	REMARKS.
1. Kala Haji	13½	13½	Camels.	<i>Road.</i> —Good, passable for all arms. <i>Camp.</i> —For a brigade at least.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Obtainable.	
2. Camp on the Dasht-i-Tartaranzar.	16	29½	Camels.	<i>Road.</i> —As before .. <i>Camp.</i> —Unlimited camping ground.	<i>Water.</i> —No details. <i>Supplies.</i> —No details, but probably easily procurable from neighbouring villages.	
3. Charikar ..	12	41½	Camels.	<i>Road.</i> —Has not been reconnoitred, but probably easy for camel transport and possibly field artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Of all kinds abundant. <i>Forage.</i> —For horses and camels excellent.	

Section C

ROUTE No. 8.
FROM CHARUKAR TO KHAWAK PASS.

[Reference.—Routes in Afghanistan N. E., Route No. 11.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kohna Deh	12½	12½	Camels. Carts*.	<i>Road.</i> —Fit for pack animals, difficult for guns. <i>Camp.</i> —Suitable ground for camp.	<i>Water.</i> —Abundant .. <i>Supplies.</i> —Of all kinds in abundance from the neighbourhood.	<i>Note.</i> —This road is said to be passable for carts up to the Khawak Pass.
2. Anaba ..	9½	22	Camels Carts*.	<i>Road.</i> —Fit for pack transport. <i>Camp.</i> —Plenty of ground. There is also a good site for camp 1½ miles further on.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Might be collected from villages round for 4 or 5 battalions and 6 to 8 squadrons for 5 to 7 days. <i>Fuel.</i> —Plentiful.	
3. Kaahu ..	10	32	Camels. Carts.*	<i>Road.</i> —No difficulty for camels. <i>Camp.</i> —Room to camp on fields.	<i>Water.</i> —No details. <i>Supplies.</i> —Locally procurable for about a battalion and 3 squadrons for a week. <i>Fuel.</i> —Plentiful.	
4. Marz ..	12½	44½	Camels. Carts*.	<i>Road.</i> —Fair. The numerous and closely planted trees and orchards would be a hindrance to troops. <i>Camp.</i> On the fields..	<i>Water.</i> —Plentiful. <i>Supplies.</i> —For one battalion and a regiment of cavalry for 4 or 5 days could be collected. <i>Fuel.</i> —Plentiful.	
5. Dasht-i-Re-wat.	11	55½	Camels.	<i>Road.</i> —Fair, narrow places and orchards would delay, movement of troops. <i>Camp.</i> —On the fields for a division.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Scarce, sufficient for 1 battalion for 3 or 4 days, might be procured on notice.	
6. Chapchi Kani (of Khawak).	14	69½	Mules and camels.	<i>Road.</i> —Difficult in places and for camels quite impassable at present at 7½ miles and about 13 miles. <i>Camp.</i> —Limited space.	<i>Water.</i> —No details. <i>Supplies.</i> —Nil.	

Note.—Information received in 1907 says that stage 1 is now at Gulbahar and route to Marz is fit for carts with the exception of a piece 3 miles above Gulbahar. Thus:—

1. Gulbahar .	12½	12½	}			
2. Rokha ..	14½	27				
3. Marz ..	12	39				
4. Dasht-i-Re-wat.	11	50				
5. Chapchi Kani.	14	64				

Section C.

ROUTE No. 9.

FROM JALALABAD TO CHARIKAR.

[References.—Routes in Afghanistan S. E., Route No. 9.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Asmatullah Khan Kats.	11	11	Camels.	<i>Road.</i> —Fit for camel transport. <i>Camp.</i> —No details.	<i>Water.</i> —No details. <i>Supplies.</i> —No details.	
2. Mandrawar	8½	19½	Mules, Camels.	<i>Road.</i> —Reported to have been improved and is now probably fit for camels. <i>Camp.</i> —Cramped by cultivation and graveyards.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Plentiful.	
3. Badpakht Nala.	13	32½	Mules. Camels.	<i>Road.</i> —As in last stage. <i>Camp.</i> —Ample ground.	<i>Water.</i> —Plentiful in cold weather, might be scarce in summer. <i>Supplies.</i> —No details, probably scarce. <i>Fuel.</i> —Obtainable. <i>Grazing.</i> —Good.	
4. Nagalu	18	50½	Mules. Camels.	<i>Road.</i> —As before .. <i>Camp.</i> —Good ground for encampment.	<i>Water.</i> —Ample from river. <i>Supplies.</i> —No details.	
5. Pir Muhammad Khan.	12	62½	..	There is no confirmation as to accuracy of these stages and mileage. It is reported that a motor road is being constructed from Jalalabad <i>via</i> Panjshir river, Solanak (Shokhi) and Gulbahar to Jabl-us-Siraj. If this is the case, this route from Jalalabad to Shokhi will be a motor road fit for carts the whole way. The direct route to Charikar from Shokhi would not seem to be <i>via</i> Gulbahar, <i>i.e.</i> , an additional stage, but, if the motor road is constructed, it would probably be better to make use of it than to go by an inferior road direct to Charikar.		
6. Sar Boli ..	10	72½				
7. Shokhi ..	9½	82½				
8. Gulbahar	13	95½				
9. Charikar ..	14	109½				

Section C.

ROUTE No. 10.

FROM BASAWAL TO JALALABAD *via* BARIKAB.

[Reference. --Routes in Afghanistan S. E., Route No. 1.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Barikab ..	10	10	Mechanical transport.	<i>Road</i> metalled, curves fit for 56 H. P. motor car (Limousine). 100 men in 6 hours could ease curves sufficiently for tractor with two trailers. <i>Camp</i> , unlimited ground.	<i>Water</i> .—30,000 gallons. <i>Supplies</i> .—Obtainable on notice. <i>Forage</i> procurable. <i>Fuel</i> .—Obtainable.	
2. Fort Sale Jalalabad.	16½	26½	Mechanical transport.	<i>Road</i> as before .. <i>Camps</i> south and south-west of fort for force of any size, good but no shade and probably unhealthy.	<i>Water</i> .—Good from river and spring. <i>Supplies</i> .—Should be sufficient for 5,000 men and 1,000 animals for a few days <i>Fuel</i> .—Obtainable. <i>Grazing</i> .—Obtainable.	

ROUTE No. 10-A.

FROM BASAWAL TO JALALABAD *via* ALI BOGHAN.

[Reference—Routes in Afghanistan S. E.—Route No. 1.]

Stage.	mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Lachipur ..	12½	12½	Camels. Carts.	<i>Road</i> .—Fit for carts as far as Chardeh <i>nala</i> , then strikes more north towards river, and fit for camels. <i>Camp</i> .—Between the fort and the river, ample room for large force,	<i>Water</i> .—Plentiful from river and spring. <i>Supplies</i> .—About 13,500 maunds of grain annually. Cattle, sheep and goats. <i>Forage</i> plentiful.	
2. Ali Boghan.	9½	22½	Camels,	<i>Road</i> .—Along bank of river fit for camel transport. <i>Camp</i> .—For force of any size, ,	<i>Water</i> .—Abundant. <i>Supplies</i> .—Can be obtained on notice from across the river which can be forded in winter and is at other seasons crossed by ferry. Cattle, sheep, and goats. <i>Grass</i> .—Procurable.	
3. Fort Sale (Jalalabad).	7½	29½	Camels. Carts,	<i>Road</i> .—Up to 2 miles fit for camels. then joins main road and is fit for carts and mechanical transport. <i>Camp</i> .—South and south-west of the fort for force of any size, good, but no shade and probably unhealthy,	<i>Water</i> .—Good from river and spring. <i>Supplies</i> .—Should be sufficient for 5,000 and 1,000 animals for a few days. <i>Fuel</i> .—Obtainable. <i>Grazing</i> .—Obtainable,	

Section C.

ROUTE No. 10-B.

FROM BASAWAL TO JALALABAD, *via* BATIKOT AND CHORAGALI PASS.

[Reference.—Routes in Afghanistan S. E., Route No. 5.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Barikao .. (Camp).	10	10	Carts.	<i>Road.</i> —Reported as fit for wheeled transport. <i>Camp.</i> —Unlimited ground for camp.	<i>Water.</i> —30,000 gallons. <i>Supplies</i> obtainable on notice from Batikot and Chardeh. <i>Forage and fuel.</i> —Obtainable.	
2. Chapriar Stream.	12½	22½	Carts.	<i>Road.</i> —Crosses Charagali Pass and joins the main road from Basawal to Jalalabad at about 5 miles. <i>Camp.</i> —No details ..	<i>Water.</i> —Good water from stream. No intermediate water on this stage. <i>Supplies.</i> —No details.	
3. Fort Sale (Jalalabad).	4	26½	Carts.	<i>Road</i> fit for mechanical transport. <i>Camp.</i> —South and southwest of fort for force of any size, good, but no shade and probably unhealthy.	<i>Water.</i> —Good from river and spring. <i>Supplies.</i> —Sufficient for 5,000 men and 1,000 animals for a few days should be obtainable. <i>Fuel and grazing.</i> —Obtainable.	

ROUTE No. 10-C.

FROM BASAWAL TO JALALABAD *via* KAH1.

[Reference—Routes in Afghanistan S. E.—Route No. 6.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kahi ..	9	9	Camels. Carts.	<i>Road.</i> —Requires but a little improvement to make it fit for carts, probably passable in its present state. <i>Camp.</i> —No details. ..	<i>Water.</i> —Good from springs. <i>Supplies.</i> —No details, but probably obtainable in fair quantity as this is a big garrison town.	
2. Jaba ..	9	18	Camels. Carts.	<i>Road.</i> —As before .. <i>Camp.</i> —1,100 all arms camped here in 1879.	<i>Water.</i> —No details. <i>Supplies.</i> —No details.	
3. Kattaragha	11	29	Camels. Carts.	<i>Road.</i> —As before .. <i>Camp.</i> —No details	<i>Water.</i> —No details. <i>Supplies.</i> —Should be obtainable in fair quantity.	
4. Jalalabad..	16	45	Carts.	<i>Road.</i> —As before .. <i>Camp.</i> —For force of any size.	<i>Water.</i> —Good from river and spring. <i>Supplies.</i> —Sufficient for 5,000 men and 1,000 animals for a few days should be obtainable. <i>Fuel and grazing.</i> —Procureable.	

Section C.

ROUTE No. 11.

FROM HAFT CHAH TO BASAWAL *via* SAM GHAKKHE.

[Reference.—Routes in Afghanistan S. E., Route No 1-A.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Basawal ..	16	16	Camels.	<p>Easy for laden camels throughout and could be made into a cart road with little difficulty.</p> <p><i>Camp.</i>—Extensive camping ground close to village, $\frac{1}{2}$ mile from the river.</p>	<p><i>Water.</i>—Good and ample.</p> <p><i>Supplies.</i>—Fair quantity obtainable locally and any amount on notice from surrounding country.</p> <p><i>Fodder.</i>—For about 20,000 animals for one day is procurable.</p> <p><i>Grazing.</i>—Fairly good.</p>	

Section C.

ROUTE No. 11-A.

FROM BASAWAL TO SAFED SANG *via* SARA KALA.

[Reference—Routes in Afghanistan S. E.—Route No. 2-A.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kam Baru	14	14	Camels.	<p><i>Road.</i>—Good and probably practicable for carts with little difficulty except at $9\frac{1}{2}$ miles where the crossing of the Kot Khorwar ravine is impracticable for wheels.</p> <p><i>Camp.</i>—Good camping ground.</p>	<p><i>Water.</i>—Plentiful for a brigade.</p> <p><i>Supplies.</i>—In winter probably obtainable for a brigade.</p>	
2. Kandibagh	14	28	Camels. Carts.	<p><i>Road.</i>—Good, hard surface could be quickly made suitable for carts.</p> <p><i>Camping ground.</i>—Good.</p> <p><i>Intermediate camp</i> at 4 miles with water and some supplies.</p>	<p><i>Water.</i>—For a brigade.</p> <p><i>Supplies.</i>—Probably enough for a brigade.</p> <p><i>Grazing.</i>—Abundant.</p>	
3. Sara Kala	15	43	Camels. Carts.	<p><i>Road.</i>—Good, easily made fit for carts. At 12 miles cross Wazir Rud sometimes impassable in spring.</p> <p><i>Camp.</i>—No details. ..</p>	<p><i>Water.</i>—Plentiful from springs.</p> <p><i>Supplies.</i>—And camels obtainable from villages near, probably sufficient supplies of all sorts for 1 brigade.</p>	
4. Safed Sang	$8\frac{1}{2}$	$51\frac{1}{2}$	Camels. Carts.	<p><i>Road.</i>—Said to be fit for carts.</p> <p><i>Camp.</i>—Unlimited ground.</p>	<p><i>Water.</i>—Good and ample from river and spring.</p> <p><i>Supplies.</i>—Procurable at times, but not to be relied on.</p> <p><i>Grass.</i>—Plentiful in spring.</p>	

Section C.

ROUTE No. 12-A.

FROM JALALABAD TO KABUL *via* TANGI GHARU.

[Reference.—Routes in Afghanistan S. E., Route No. 1.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kajurai ..	14	14	Camels. Carts.	<i>Road.</i> —For first 7 miles is practicable for carts in dry weather, would not stand heavy traffic. Then cross the Darunta Hill quite impracticable for carts. <i>Camp.</i> —No details ..	<i>Water.</i> —Ample from river. <i>Supplies.</i> —In large quantities are procurable from the Alingar valley on opposite side of river which is crossed by rafts.	<i>Note.</i> —This road is not kept in repair and may be taken as purely a camel road at present.
2. Khairo Khel	6	20	Camels.	<i>Road.</i> —Over desolate country covered with large boulders. <i>Camp.</i> —For a large force west of village.	<i>Water.</i> —Abundant from river or canal. <i>Supplies.</i> —A good deal of cultivation, supplies probably procurable in fair quantity.	
3. Kats Muhammed Ali.	9	29	Camels.	<i>Road.</i> —Good camel road and practically fit for carts but falling into disrepair. <i>Camp.</i> —No details ..	<i>Water.</i> —None for first 3 miles then ample from river. <i>Supplies.</i> —Scarce locally, could be collected on notice for one regiment.	
4. Dargai Oba	7	36	Camels.	<i>Road.</i> —Good for camels <i>Camp.</i> —For a large force 1 mile below bridge on Kabul river bank.	<i>Water.</i> —Plentiful from river. <i>Supplies.</i> —Not to be relied on for operations.	
5. Sarobi ..	13	49	Camels.	<i>Road.</i> —No difficulty for camel transport. <i>Camp.</i> —Sufficient ground for a large force.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Scarce.	
6. Gogamand	8½	57½	Camels.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —For three battalions.	<i>Water.</i> —Plentiful from springs and river. <i>Supplies.</i> —Scarce.	
7. Pul-i-Char-khi.	18½	76	Camels.	<i>Road.</i> —Runs through the Tangi Gharu defile and is liable to damage from floods. <i>Camp.</i> —Ground for a large force.	<i>Water.</i> —Abundant. <i>Supplies.</i> —About 400 maunds of grains procurable. <i>Fuel.</i> —Procurable. <i>Fodder.</i> —For about 4,000 animals could be collected.	
8. Kabul ..	11	87	Camels. Carts.	<i>Road.</i> —Excellent 24' unmetalled cart road heavy going in wet weather. Is not kept in repair, but probably still passable for carts. <i>Camp.</i> —Room for force of any size.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all kinds abundant sufficient for 12,000 men and 10,000 animals.	

ROUTE No. 12-B.

FROM JALALABAD TO KABUL (*viâ* GANDAMAK AND JAGDALAK).

[Reference.—Routes in Afghanistan S. E., Route No. 2.]

Stage.	Mileage.		Road suitable for	Description of Road and Camp.	Supplies.	REMARKS.
						(General).
1. Bawali .. i. o.	12½	12½	Carts.	<p><i>Road.</i>—At 4 miles new road turns south-west leaving Tangi Gharu route. At 9 miles Sultampur reached, at 11 miles road enters on wide, stony plain.</p> <p><i>Camp.</i>—For division on sandy ground new road.</p>	<p><i>Supplies.</i>—No details</p> <p><i>Water.</i>—Good and abundant.</p> <p><i>Grazing, fuel.</i>—For camels available. Bawali good foraging centre.</p>	<p><i>Road.</i>—Part of main route from Peshawar to Kabul Cart road open all the year round, suitable for 2 streams of carts.</p> <p><i>Supplies.</i>—Amir maintains 2 days' supplies for 5,000 men and their transport at each stage on this route.</p>
2. Nimla .. i. o.	12½	25½	Carts.	<p><i>Road.</i>—Traverses stony plain direction south-west. At 4 miles Fatehabad reached. At 7 miles Fort Battye (now in ruins) passed.</p> <p><i>Camp.</i>—For Division on south slope of Nimla plateau.</p>	<p><i>Supplies.</i>—No details.</p> <p><i>Water.</i>—Plentiful.</p> <p><i>Grazing.</i>—For camels.</p> <p><i>Fuel.</i>—Available.</p>	Minimum water supply at any stage 30,000 gallons per diem.
3. Surkhpul .. i. o.	12½	33½	Carts.	<p><i>Road.</i>—Strikes due west zigzags up to a kotal 2 miles, thence rises to Safed Sang 3½ miles, Gandamak reached at 6½ miles. At 7½ miles route 14 to Kabul branches off.</p> <p><i>Camp.</i>—For mixed brigade in bed of river.</p>	<p><i>Supplies.</i>—No details.</p> <p><i>Water.</i>—Abundant.</p> <p><i>Grazing.</i>—For camels.</p> <p><i>Fuel.</i>—Nil.</p>	<p><i>Bridges.</i>—New bridge over Hashim Khel stream at 5 miles, Girder bridge over Chashi Rud at 6 miles. Bridge over Bulola at 10½ miles.</p> <p>Masonry bridge, 170 yards long over Surkhhab near camp.</p>
4. Jagdalak .. i. o.	14½	52½	Carts.	<p><i>Road.</i>—Follows left bank of Sarandu, then turns west up valley to the Jagdalak pass, kotal crossed at 10½ miles thence easy gradient to Jagdalak.</p> <p><i>Camp.</i>— For { 3 regts. infantry. 1 regt. cavalry.</p>	<p><i>Supplies.</i>—From small village.</p> <p><i>Water.</i>—Plentiful from spring below post.</p> <p><i>Wood.</i>—Plentiful.</p> <p><i>Grazing.</i>—For camels in surrounding hills.</p>	Jagdalak small, square loop-holed fort. Jagdalak Kotal forms watershed between Surkhhab and Kabul river.
5. Barikab .. i. o.	13	65½	Carts.	<p><i>Road.</i>—Descending from Jagdalak plateau road follows contour of hills. Firman Beg passed at 3 miles and Sang Toda at 7 miles. Thence road crosses open plain for 3 miles to Kata Sang, then zigzags north-west over high ridge to Barikab.</p> <p><i>Camp.</i>—Camping ground very cramped.</p>	<p><i>Supplies.</i>—Nil.</p> <p><i>Water.</i>—Excellent from spring ¼ mile above camp.</p> <p><i>Grazing.</i>—Nil.</p>	

Section C.

ROUTE NO. 12-B—*contd.*

Stage.	Mileage.		Road suitable for	Description of Road and Camp.	Supplies.	REMARKS.
6. Khak-i-Jabar.	18	83½	Carts.	<p><i>Road.</i>—At 1½ miles enters Tezin valley. Camp Schbaba reached at 1¾ miles. Thence new road ascends right bank of Tezin <i>nala</i> till it crosses to left bank at 8½ miles when it leaves this valley. Road crosses Tezin watershed by Haft Kotal pass, easy gradient.</p> <p><i>Camp.</i>—Sufficient for a brigade.</p>	<p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Nil.</p> <p><i>Water.</i>—Sufficient for a brigade.</p> <p><i>Grazing.</i>—Nil.</p>	Haft Kotal pass (8,200)' also known as Balutok pass.
7. Butkhak ..	16½	100½	Car's.	<p><i>Road.</i>—Crosses at 2 miles Taraki Kotal. At 4 miles Taraki Tangi entered (defile 200 yards long). At 8 miles road enters Khurd Kabul defile, length of pass 6 miles width 100-200 yards. From northern exit of gorge road follows left bank of stream to Butkhak.</p> <p><i>Camp.</i>—For large force.</p>	<p><i>Supplies.</i>—1,600 mds. grain can be collected and fodder for 12,000 animals.</p> <p><i>Water.</i>—Plentiful.</p> <p><i>Fuel.</i>—Available.</p> <p><i>Grazing.</i>—Available.</p>	<p>Khurd-Kabul defile flanked by high, inaccessible mountains, between which river flows in a narrow channel. New road follows left bank of river.</p> <p>Bala Hissar visible from Butkhak.</p>
8. Kabul ..	9½	109½	Carts.	<p><i>Road.</i>—For 3 miles new road runs just above old road across highly cultivated plain; at 3 miles both roads unite. At 4½ miles crosses Logar river by Baghrami bridge. At 6¾ miles road crosses <i>col</i> in Siah Sang range, thence across plateau to Kabul city</p>	<p><i>Supplies, water, etc.</i>—As for large city.</p>	<p>Siah Sang plateau dominates Kabul from east and south-east.</p> <p><i>Bridges.</i>—Strong masonry bridge over Logar Canal, at 4½ miles.</p> <p>Logar river crossed at 4½ miles by the old Pul-i-Baghrami bridge.</p>

Section C.

ROUTE No. 13.

FROM CHAPCHI KANI (KHAWAK PASS) to KHWAJA EJRAM.

[Reference.—Routes in Afghanistan N. E., Route No. 11.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Dasht-i-Sangpar.	8½	8½	Camels and Carts.	<i>Road.</i> —Crosses the Khawak Pass, said to fit for light carts and could with little difficulty be made into a cart road. <i>Camp.</i> —On open ground 2 miles by 2 miles.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Nil. <i>Grass.</i> —Abundant in spring and summer.	
2. Ahingaran	14	22½	Camels and Carts.	<i>Road.</i> —Is reported suitable for lightly loaded carts. <i>Camp.</i> —Ground stony or else cultivated, troops could camp between Tajikan and Ahingaran.	<i>Water.</i> —No details. <i>Supplies.</i> —Nil.	
3. * Deh Salar of Sangburan.	12½	35	Camels and Carts.	<i>Road.</i> —As before. <i>Camp.</i> —Plenty of ground for encamping.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Said to be procurable from Banu (5½ miles distant) sufficient for 3 battalions and 1 cavalry regiment.	
4. Khwaja Taolian.	12½	47½	Camels and carts.	<i>Road.</i> —As before, some difficulty may be experienced over the Murgha Pass. <i>Camp.</i> —Plenty of room.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Nil.	
5. Khwaja Ejran.	14	61½	Camels and carts.	<i>Road.</i> —As before. <i>Camp.</i> —Room for camp	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Perhaps sufficient for 1 company for a few days.	

* Note.—Road to Doshi leads off from here.

Section C.

ROUTE No. 14.

FROM KHWAJA EJRAM TO KUNDUZ.

[Reference.—Routes in Afghanistan N. E., Route No. 11.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Tabakan*	16½	16½	Camels.	<i>Road.</i> —Stony and requires improvements to make passable for carts. <i>Camp.</i> —Plenty of room for camping.	<i>Water.</i> —No details. <i>Supplies.</i> —Probably procurable in fair quantity.	* <i>Note.</i> —At Khoja last 7½ mile a route leads to Chashma-i-Sher and Baraki.
2. Jar ..	15	31½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —No details. <i>Supplies.</i> —No details.	
3. Aliabad ..	22	53½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Said to be scarce and brackish from spring also reported plentiful from river. <i>Supplies.</i> —No details. <i>Fuel.</i> —Abundant.	
4. Kunduz ..	12	65½	Camels.	<i>Road.</i> —Said to be good and passable for guns. <i>Camp.</i> —No details.	<i>Water.</i> —No details. <i>Supplies.</i> —No details.	

Note.—From Aliabad a road, said to be good and passable for guns, runs direct to Khanabad (13 miles), which is now a large garrison town and has taken the place of Kunduz which has fallen into ruins.

Section C.

ROUTE No. 14-A.

FROM KUNDUZ TO KHISHT TAPA (ON THE OXUS.)

[Reference.—Routes in Afghanistan N. E., Route No. 60.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kunda Guzar.	26	26	Camels.	<i>Road.</i> —Good; at 3 miles road from Tashkurghan joins. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —No details.	
2. Kala Zal ..	20	46	Camels.	<i>Road.</i> —Good. <i>Camp.</i> —No details.	<i>Water.</i> —From river. <i>Supplies.</i> —Probably nil.	
3. Khisht Tapa	(17?)	63(?)	Camels.	<i>Road.</i> —Good, heavy in places owing to sand. <i>Camp.</i> —Troops could bivouac in the sandy wood on south-west side of the mound, excellent ground for camp on the open but it is a mile from water.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Probably nil.	

Section C.

ROUTE No. 14 B.

FROM KUNDUZ TO FAIZABAD.

[Reference.—Routes in Afghanistan N. E., Routes Nos. 64 & 66.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Khanabad	13	13	Camels.	<i>Road.</i> —Good, probably passable for artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Probably abundant on notice.	
2. Bagh-i-Mir	12½	25½	Camels.	<i>Road.</i> —No difficulty for pack transport except at crossing of stream at 6 miles in the summer. <i>Camp.</i> —Good ground for camping.	<i>Water.</i> —Abundant from Talukan stream, but the banks of the stream are marshy. <i>Supplies.</i> —No details; there is a good deal of cultivation, however, in the neighbourhood.	
3. Talukan	8½	34	Camels.	<i>Road.</i> —No difficulty, probably fit for field artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Say for 1 cavalry regiment and 1½ battalions for 6 months could be collected on notice.	
<i>Main route.</i>						
4. Farkhar	?	?	Camels.	This route from Talukan has not been reconnoitred but is reported as good as the remainder of the road to Faizabad, viz., average width 18' and fit for artillery, it is regularly used by camels.		
<i>Alternative route.</i>						
5. Kalaghan	?	?	Camels.	Water plentiful, grain and fuel plentiful, live stock and grass abundant. It is a few miles longer than alternative route but much easier.		
4. Lataband	15	49	Camels.	<i>Road.</i> —In bad condition at 13 miles, otherwise no difficulty. <i>Camp.</i> —Ample for 1 regiment.	<i>Water.</i> —For 1 regiment if arrangements were made for storing it. <i>Supplies.</i> —No details.	
5. Kolaghan*	5	54	Ponies.	<i>Road.</i> —Fit only for baggage ponies owing to the steepness of ascents and descents of the Lataband Pass. <i>Camp.</i> —Good camping ground.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Some wheat, barley, and <i>bhusa</i> obtainable. <i>Fuel and grass.</i> —Plentiful.	
6. Mashad	11	65	Camels.	<i>Road.</i> —A made road 18' wide probably passable for artillery, at 5½ miles is a slippery descent of 1,000 yards, gradient 1 in 8. <i>Camp.</i> —Excellent on open grassy plain.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Obtainable from the hills.	

* The main route *via* Farkhar joins here.

Section C.

ROUTE NO. 14 B.—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
7. Darain ..	12	77	Camels.	<p><i>Road.</i>—Crosses the Mashad, Yakshi and Teshgan Passes, the descents are bad and slippery in places. Steepest gradient 1 in 6. Average gradient 1 in 9.</p> <p><i>Camp.</i>—Good ground for camping.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—In large quantities.</p> <p><i>Grass.</i>—Excellent.</p> <p><i>Transport.</i>—Ponies in large numbers.</p>	
8. Argu ..	10	87	Camels.	<p><i>Road</i>—good.</p> <p><i>Camp.</i>—Unlimited grass camping ground.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Procurable in considerable quantities.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Grass.</i>—Abundant.</p>	
9. Faizabad	12	99	Camels.	<p><i>Road.</i>—Good.</p> <p><i>Camp.</i>—Between 6½ and 8 miles is a good level plain which would be the best camp for a large force near Faizabad.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Abundant probably for four battalions.</p>	

Section C.

ROUTE No. 15.

FROM KHOJA LAL (NEAR KHWAJA EJRAM) TO CHASHMA-I-SHER, *via* BARAKI.

[Reference.—Routes in Afghanistan N. E., Route No. 11.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Baraki ..	10	10	Carts.	<i>Road.</i> —Used by the Amir in 1907 and said to be fit for wheels. <i>Camp.</i> —Plenty of ground for encamping.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Possibly for a squadron or 2 or 3 companies. <i>Fuel.</i> —From surrounding hills.	
2. Lola Tapa or Imamdin Ming- bashi.	15	25	Carts.	<i>Road.</i> —As before. <i>Camp.</i> —Good.	<i>Water.</i> —No details. <i>Supplies.</i> —Plentiful, probably sufficient for 2 battalions infantry and a cavalry regiment for 6 months could be collected on notice from district round.	
3. Sehtuk near Chashma-i- Sher.	9	34	Carts.	<i>Road.</i> —Probably same as before but no details. <i>Camp.</i> —Excellent on plain.	<i>Water.</i> —Plentiful from river. <i>Supplies.</i> —No details probably plentiful in district round.	

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Section C.

ROUTE No. 16.

FROM SANGRURAN TO DOSHI.

[Reference.—Routes in Afghanistan N. E., Route No. 24.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Banu ..	7½	7½	Camels.	<i>Road.</i> —Easy for pack transport. Would require improvement for guns especially at the crossings of the various <i>nalas</i> and streams. <i>Camp.</i> —Ample ground.	<i>Water.</i> —Abundant. <i>Supplies.</i> —On notice from the district for 8,000 horsemen for one day. <i>Fuel.</i> —Abundant.	
2. Yuch ..	14	21½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —On terraced fields west of Yuch.	<i>Water.</i> —From small ravine to south and from irrigation channels. <i>Supplies.</i> —Some rice but little else. <i>Fuel.</i> —From the hills.	
3. Gazan ..	12½	34	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —For a division if scattered about.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Rice, little else unless collected on notice from the district. <i>Fuel.</i> —From the hills.	
4. Doshi ..	10½	44½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —Not very good ground for camping.	<i>Water.</i> —Abundant. <i>Supplies.</i> —For 2,000 sowars for one day said to be procurable in good years. Rice is the staple grain. <i>Fuel.</i> —Plentiful.	

Section C.

ROUTE No. 17.

FROM CHARIKAR TO DOSHI.

[Reference.—Routes in Afghanistan N. E., Route No. 22.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Tutam Dara	6	6	Camels. Carts.	<i>Road.</i> —Excellent, probably fit for carts with a little improvement. <i>Camp.</i> —On the <i>daman</i> near village is a very good camping ground.	<i>Water.</i> —From irrigation canal. <i>Supplies.</i> —Plentiful. <i>Camel-grazing.</i> —Excellent. <i>Fuel.</i> —Obtainable.	
2. Burj-i-Gulistan	10½	16½	Camels.	<i>Road.</i> —Fit for camels, a good deal of blasting and a certain amount of re-alignment would be required to make it fit for carts. <i>Camp.</i> —Room for at least a brigade.	<i>Water.</i> —Abundant from the river. <i>Supplies.</i> —Small quantities only. <i>Fuel.</i> —Fairly plentiful.	
3. Kalacha (Siah Gird).	13	29½	Camels. Carts.	<i>Road.</i> —Suitable for carts with difficulty, would be improved by widening and if gradient were reduced at 3 miles and again at 6 mile. This is pick and shovel work and could be done rapidly. <i>Camp.</i> —Sufficient for 2 divisions on right bank of river opposite Siah Gird.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all kinds inconsiderable quantities from villages in the valley. <i>Fuel.</i> —Abundant.	
4. Zardalu Kak	11½	41	Camels and Carts.	<i>Road.</i> —Good and passable for carts except at 3½ miles where it requires blasting, and the bridge on which road runs is not suitable for carts (1907). <i>Camp.</i> —At Zardalu Kak on left bank of stream for a battalion. Further space for camping lower down and higher up the valley.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —In small quantity only from adjacent villages. <i>Fuel.</i> —Abundant.	
5. Chahil Duk-taran.	5½	46½	Camels.	<i>Road.</i> —Easy for pack transport. Some removing of stones and boulders to make passable for carts. <i>Camp.</i> —On right of road for at least a battalion.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Small quantities only from villages near. <i>Firewood.</i> —Obtainable.	
6. Rah-i-Reg	14	60½	Camels.	<i>Road.</i> —Fit for camels; crosses the Chahardar Pass (13,900 feet), this pass in 1907 was not open till 3rd June generally open by the middle of May. <i>Camp.</i> —120 yds. by 280 yds. ½ mile further up stream are two additional places for encampment one 110 yds. by 75 yds. the other 70 yards by 40 yards.	<i>Water.</i> —Good and ample. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Nil. <i>Grazing.</i> —Nil.	

Section C.

ROUTE NO. 17—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
7. Chahardar	12	72½	Camels.	<i>Road.</i> —Fit for camels but would require a great deal of improvement for carts or artillery and may be considered impracticable. <i>Camp.</i> —Ample for a brigade at least.	<i>Water.</i> —Excellent and abundant. <i>Supplies.</i> —No details. <i>Fuel.</i> —Abundant. <i>Grass.</i> —Very scarce. <i>Camel.</i> —Grazing obtainable about ½ day's march on the Zabunak Hill.	
8. Sar-i-Dahana Iskar.	12	84½	Camels.	<i>Road.</i> —Fit for camels, rough and stony in parts. <i>Camp.</i> —Sufficient room for a brigade but ground in places very stony. <i>Intermediate.</i> —Camps with water and fit for 3 companies and a battalion respectively at 6½ and 8½ miles. Fuel obtainable.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant.	
9. Dahan-i-Kai San.	7½	82	Camels.	<i>Road.</i> —Fit for camels. Crosses Surkhab river 8½ miles, impassable in flood. <i>Camp.</i> —Good on either side of river.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Not to be relied on locally. <i>Fuel.</i> —Scarce but procurable from Tala. <i>Camel grazing.</i> —Good. <i>Grass.</i> —Scarce.	
10. Doshi ..	11½	103½	Camels.	<i>Road.</i> —Fit for camels and possibly field artillery with difficulty. <i>Camp.</i> —Not very good, no details.	<i>Water.</i> —Abundant from river or irrigation channels. <i>Supplies.</i> —Sufficient for 2,000 sowars for one day said to be obtainable in good years, but depends on the locust. Rice is the staple grain. <i>Firewood.</i> —Plentiful.	

Section C.

ROUTE No. 17-A.

FROM CHARIKAR TO BAMIAN.

[Reference.—Routes in Afghanistan N. E., Routes No. 22 and 35.]

Stage.	Miles.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Tutam Dara	6	6	Camels, Carts.	<i>Road.</i> —Excellent, fit for carts with a little improvement. <i>Camp.</i> —On the duman near the village is very good camping ground.	<i>Water.</i> —From irrigation canal. <i>Supplies.</i> —Plentiful. <i>Camel.</i> —Grazing excellent. <i>Fuel.</i> —Obtainable.	
2. Burj-i-Guljan	10½	16½	Camels.	<i>Road.</i> —Fit for camels, a good deal of blasting and a certain amount of re-alignment would be required to make it fit for carts. <i>Camp.</i> —Room for at least a brigade.	<i>Water.</i> —Abundant from the river. <i>Supplies.</i> —Small quantities only. <i>Fuel.</i> —Fairly plentiful.	
3. Kalacha (Siah gird).	13	29½	Camels. Carts.	<i>Road.</i> —Suitable for carts with difficulty, would be improved by widening and by reducing gradient at 3 miles and at 6 miles. This is pick and shovel work and could be done rapidly. <i>Camp.</i> —Sufficient for 2 divisions on right bank of river opposite Siah Gird.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all kinds in considerable quantities from villages in the valley. <i>Fuel.</i> —Abundant.	
4. Farinjal ..	10	39½	Camels.	<i>Road.</i> —A good camel road. <i>Camp.</i> —Space for encampment on left bank of the river, but the ground is under cultivation.	<i>Water.</i> —From the river. <i>Supplies.</i> —In small quantities. Sheep and cattle. <i>Fuel.</i> —Very scarce.	
5. Bini-Sehwak	14½	54½	Camels.	<i>Road.</i> —Passable for pack transport. Impracticable in places for artillery. <i>Camp.</i> —Good ground in the open fields by river side.	<i>Water.</i> —From river. <i>Supplies.</i> —Obtainable. <i>Fuel.</i> —Scarce. <i>Camel grazing.</i> —Good in valleys near.	
6. Diwal Bolak	14½	68½	Camels.	<i>Road.</i> —Easy for pack transport, difficult for artillery. <i>Camp.</i> —Good camping ground on side of stream in the Diwal Bolak hollow.	<i>Water.</i> —From the stream. <i>Supplies.</i> —Could probably be collected in large quantities on notice, as the valley is well cultivated. Numerous flocks of sheep. <i>Fuel.</i> —Scanty. <i>Water.</i> —Plentiful. <i>Supplies.</i> —Very few. <i>Grass.</i> —Nil. <i>Grazing.</i> —Nil. <i>Fuel.</i> —Very scarce.	
7. Bulola ..	10	78½	Camels.	<i>Road.</i> —Easy and probably easily made fit for carts. <i>Camp.</i> —Room for several divisions round about Bulola.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Very few. <i>Grass.</i> —Nil. <i>Grazing.</i> —Nil. <i>Fuel.</i> —Very scarce.	

Section B.

ROUTE No. 17-A.—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
8. Kashka Kotal	6½	85½	Camels.	<i>Road.</i> —Good all the way to the Pass but too narrow and, in places, too steep for carts. Easily convertible however into a cart road. From the Pass onwards it is practicable for artillery (in places with difficulty). <i>Camp.</i> —No details.	<i>Water.</i> —No details. <i>Supplies.</i> —No details.	
9. Kala Sarkar (Bamian).	12	97½	Camels.	<i>Road.</i> —Easy and for last 7 miles is a cart road. <i>Camp.</i> —For a brigade at least.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable. <i>Fuel.</i> —Obtainable but in small quantity.	

Section C.

ROUTE No. 18.
FROM DOSHI TO PUL-I-KHOMRI.

[Reference—Routes in Afghanistan N. E.—Route No. 22.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Sang-i-Sun-lakh	9½	9½	Camels.	<p><i>Road.</i>—Narrow and rough in places but fit for pack transport. practicable for artillery.</p> <p><i>Camp.</i>—About 500 yards wide and nearly a mile in length.</p>	<p><i>Water.</i>—Plentiful from river.</p> <p><i>Supplies.</i>—Very scarce, a little rice, wheat and <i>b'usa</i>.</p> <p><i>Fuel.</i>—Obtainable.</p> <p><i>Grass.</i>—A little in spring time.</p>	
2. Pul-i-Khomri	14	23½	Camels.	<p><i>Road.</i>—Easy for pack transport and just practicable for guns though there might be difficulty in crossing the river.</p> <p><i>Camp.</i>—Plenty of room on right bank of river.</p>	<p><i>Water.</i>—Plentiful from the river.</p> <p><i>Supplies.</i>—No details.</p>	

Section C.

ROUTE No. 19.

FROM PUL-I-KHOMRI TO HAIBAK.

[Reference.—Routes in Afghanistan N. E., Route No. 22.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Chashma-i-Sher.	13½	13½	Camels.	<i>Road.</i> —Fairly easy, stony in places and at 12 miles pack transport must go in single file. <i>Camp.</i> —Room for considerable force, or at Dasht-i-Gurgurak 2 miles further on in open wide valley.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Only in small quantities. <i>Forage.</i> —Good grass in spring. <i>Fuel.</i> —Probably plentiful from jungle.	
2. Robot ..	13½	26½	Camels.	<i>Road.</i> —Easy for pack transport. <i>Camp.</i> —Fair but stony, suitable for a division.	<i>Water.</i> —Good and ample from stream. <i>Supplies.</i> —Scarce, could be procured on notice from Shori valley. <i>Fuel.</i> —Abundant. <i>Grass.</i> —In spring.	
3. Paigah Tash	10	36½	Camels.	<i>Road.</i> —Easy for pack transport and practicable for all arms except from about 6 miles over the kotal. Estimated that 450 infantry in 2 hours could make this portion fit for artillery. <i>Camp.</i> —Excellent ground for camp on open plain.	<i>Water.</i> —Only to be obtained by digging, probably near the surface, no further details. <i>Supplies.</i> —No details. <i>Grass.</i> —Excellent in spring and summer.	
4. Haibak ..	11½	48	Camels. Carts.	<i>Road.</i> —Very good, probably practicable for carts with little difficulty. <i>Camp.</i> —Probably best camp would be at Kafir Kala, 11½ miles though more ground available towards Ak Mazar.	<i>Water.</i> —Ample from river. <i>Surplus.</i> —Plentiful; 5,000 maunds of grain monthly. Harvest about 20th June; vegetables and fruit in season, 500 sheep. <i>Fuel.</i> —Plentiful. <i>Grass.</i> —Abundant in spring.	

Section C.

ROUTE No. 20.
FROM HAIBAK TO TASHKURGHAN.

[Reference.—Routes in Afghanistan N. E., Route No. 32].

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Jui Khush Bara.	13	13	Camels. Carts.	<p><i>Roads.</i>—The road is practicable for all arms except for short pieces near Ak Mazar (say from 2nd-4th miles) where it would require improvement for wheeled transport.</p> <p><i>Camp.</i>—Beyond the Jui on the right is a good camping ground.</p>	<p><i>Water.</i>—From the irrigation Canal.</p> <p><i>Supplies.</i>—Obtainable only in very small quantities unless sent for from Haibak or Tashkurghan.</p>	
2. Ghaznigak.	13½	26½	Carts.	<p><i>Road.</i>—Good, no very steep gradients. Crosses river at two miles by brick bridge (12 ft. wide with flat roadway).</p> <p><i>Camp.</i>—Ample room for camping from 12½ to 13½ miles.</p>	<p><i>Water.</i>—Abundant from the river.</p> <p><i>Supplies.</i>—Procurable in large quantities from Tashkurghan.</p> <p><i>Forage.</i>—A certain amount of bhusa and grain obtainable in the immediate neighbourhood.</p> <p><i>Fuel.</i>—Abundant.</p> <p><i>Camel grazing.</i>—Abundant.</p>	
3. Tash Kurghan (about 1,200 feet).	15½	42	Camels. Carts.	<p><i>Road.</i>—At 2½ miles road requires repairs for wheeled transport also at 4½ miles, and 8½ miles.</p> <p><i>Camp.</i>—Good ground for encamping.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Calculated enough, procurable to feed 12,000 men for one month.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Fodder.</i>—Plentiful.</p>	

Section C.

ROUTE No. 20-A.

FROM TASHKURGHAN TO MAZAR-I-SHARIF.

[Reference.—Routes in Afghanistan N. E., Route No. 32.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Naibabad	11½	11½	Carts.	<i>Road.</i> —Broad, level and fit for carts. <i>Camp.</i> —Excellent ground for encampment.	<i>Water.</i> —Probably rather scarce in autumn. <i>Supplies.</i> —Very scarce.	
2. Gurimar ..	12	13½	Carts.	<i>Road.</i> —As before, but with slight ascents and descents.	<i>Water.</i> —Ample. <i>Supplies.</i> —Not to be relied on.	
3. Mazar-i-Sherif.	8	31½	Carts.	<i>Road.</i> —Broad, level and good. <i>Camp.</i> —Extensive ground for encampment on plain south of town.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —For 7,000 men said to be kept here. <i>Fuel.</i> —Abundant.	

Section C.

ROUTE No. 20 B.

FROM MAZAR-I-SHARIF TO TERMEZ.

[Reference.—Routes in Afghanistan N. E., Route No. 50.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Siah Gird. (about 1,000')	15	15	Carts.	<i>Road.</i> —Open, level, easy for all arms. Troops could move on a broad front.	<i>Water.</i> —From a canal. Said to be abundant. <i>Supplies.</i> —Not to be relied on.	
2. Patta-Kesar (about 900')	21	36	Carts* Camels	<i>Road.</i> —Fit for all arms over hard open plain up to 10 miles, then over heavy drift sand to 19 then over firm ground along river bank. The heavy sand would probably much delay wheeled transport.	<i>Water.</i> —Plentiful from the river. No water between 4th and 19½ miles. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Plentiful ..	<i>Note.</i> —The flies here are very noxious and cause great annoyance to horses, their bites raising large tumours (June).

Section C.

ROUTE No. 20-C.

FROM TASH KURGAN TO PATTA KESAR.

[Reference.—Routes in Afghanistan N. E.—Route No. 81.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Nimak of Tashkurgan	6	6	Camels. (Carts possibly).	Road.—Good ..	Water.—	
2. Karkin Kuduk.	8	14	Camels. (Carts possibly).	Road.—Good ..	Water.—Good and abundant from two wells. Supplies.—Not to be counted upon for operations.	
3. Patta Kesar	12	26	Camels.	Road.—Sandy. ..	Water.—Abundant from river. Supplies.—Not to be relied on. Fuel.—Plentiful.	

Section C.

ROUTE No. 21.

FROM BAMIAN TO RUI.

[Reference.—Routes in Afghanistan N. E., Route No. 32.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Ak Robat	15	15	Camels.	<i>Road.</i> —Good, probably fit for field artillery. <i>Camp.</i> —Near village in valley. 1½ miles long by 450 yards wide. Intermediate water and room to encamp at 12 miles.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Nil could be obtained from Surkh-dar, 12 miles distant, sufficient for 800 men for one day. <i>Grass.</i> —Good in spring. <i>Fuel.</i> —Plentiful.	
2. Sokhta .. Chinar.	15	30	Camels.	<i>Road.</i> —Easy for camels and fit for guns with a little improvement. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Not to be relied on for operations. <i>Fuel.</i> —Probably procurable. <i>Grass.</i> —In spring.	
3. Saraik ..	6	36	Camels.	<i>Road.</i> —Easy for camels, doubtful for artillery. <i>Camp.</i> —No details.	<i>Water.</i> —From river plentiful. <i>Supplies.</i> —Probably a certain amount procurable as the valley is well cultivated.	
4. Kala Shash-burja (in Kamard).	16½	52½	Camels.	<i>Road.</i> —Good for camels, but impracticable for guns. <i>Camp.</i> —Plenty of room by the Fort of Shash-burja. <i>Intermediate.</i> —Camping ground at 4 to 5 miles.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Rice and wheat in small quantity. <i>Fruit.</i> —Plentiful in season. <i>Fuel.</i> —Scarce. <i>Lucerne.</i> —Obtainable. <i>Grass and grazing.</i> —Good in the spring time.	
5. Bajgah Fort	10½	63	Camels, Carts*.	<i>Road.</i> —Easy for camel and from Sar-i-Pul (1½ miles) to end of stage is broad and good* and except through village where it is often used as an irrigation channel, is suitable for wheeled transport. <i>Camp.</i> —A good place for camp is at junction of the Madar and Dushakh valleys about 1 mile further on.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —No details, but there is a good deal of cultivation in these valleys.	
6. Uch-i-Tash valley.	15	78	Camels.	<i>Road.</i> —On the whole good, but difficult for horses at 8½ miles onwards over the Kara Kotal where it becomes impassable for guns. <i>Camp.</i> —Plenty of space for encampment.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Not to be relied on and would have to be brought from Kamard. <i>Fuel.</i> —Plentiful. <i>Grass.</i> —Plentiful in spring.	
7. Dara Shams-ud-din.	11	89	Camels.	<i>Road.</i> —Good camel road; difficult for artillery. <i>Camp.</i> —Plenty of ground for bivouac by stream.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Probably sufficient for 2,500 men and horses for one day could be collected on notice from Doab-i-Shah-Pasand.	

Section C.

ROUTE No. 21—*concl'd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
8. Rui ..	13½	102½	Camels.	<p><i>Road.</i>—Good for camels, but throughout the stage might be awkward and slippery in wet weather.</p> <p><i>Camp.</i>—Considerable space, ½ mile before reaching Fort Rui.</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Supplies.</i>—For about 1,000 men and horses could probably be obtained and larger quantities on notice could be collected from outlying districts.</p> <p><i>Fuel.</i>—Obtainable.</p> <p><i>Grass and grazing.</i>—In spring.</p>	

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ROUTE No. 21-A.
FROM RUI TO HAIBAK.

[Reference.—Routes in Afghanistan N. E., Route No. 32.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Khwoja Hsiatan. ..	15½	15½	Camels.	<p><i>Road</i>.—Stony in places otherwise good.</p> <p><i>Camp</i>.—On a narrow, cultivated but rather broken plateau. If this ground is found unsuitable, troops could bivouac in the orchard of Khuram, 1 mile below.</p>	<p><i>Water</i>.—No details; probably plentiful from stream.</p> <p><i>Supplies</i>.—With sufficiently long notice, a large amount of supplies might be collected from the neighbourhood.</p> <p><i>Fuel</i>.—Abundant.</p>	
2. Ab-i-Kol ..	14½	30	Camels.	<p><i>Road</i>.—No difficulty for pack transport and should be passable for field artillery.</p> <p><i>Camp</i>.—There is a space here 500 yards wide extending for about a mile.</p> <p><i>Intermediate</i>.—Camping ground in open fields at 6 miles.</p>	<p><i>Water</i>.—From Tash Kurghan stream.</p> <p><i>Supplies</i>.—Locally obtainable for perhaps 400 sowars for one day.</p> <p><i>Fruit</i>.—Abundant in season.</p> <p><i>Fuel</i>.—Plentiful.</p>	
3. Haibak ..	14½	44½	Camels.	<p><i>Road</i>.—Fairly easy and level throughout, would be difficult in places for artillery.</p> <p><i>Camp</i>.—South-East of town and fort on large grassy fields.</p>	<p><i>Water</i>.—Ample from Tash Kurghan river.</p> <p><i>Supplies</i>.—About 5,000 maunds monthly of grain. Harvest about June 20th; vegetables and fruits abundant in season. 500 sheep.</p> <p><i>Fuel</i>.—Abundant.</p> <p><i>Grass</i>.—Abundant in the spring.</p>	

Section C.

ROUTE No. 21-B.

FROM BAMIAN TO DOSHI.

[Reference.—Routes in Afghanistan N. E., Routes Nos. 32, 33, 35 and 37.]

State.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Topohi ..	7	7	Camels.	<i>Road.</i> —Good suitable for wheeled transport with the exception of about $\frac{1}{2}$ mile which requires re-alignment. <i>Camp.</i> —Good camping-ground. There is a garrison of 1 infantry regiment at Topohi.	<i>Water.</i> —Plentiful from river. <i>Supplies.</i> —No details. <i>Grass.</i> —Plentiful. <i>Fuel.</i> —Obtainable; no details.	
2. Bulala ..	11 $\frac{1}{2}$	18 $\frac{1}{2}$	Camels.	<i>Road.</i> —Practicable for laden camels but too narrow and steep in place for carts. <i>Camp.</i> —Room for several divisions.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Very scarce. <i>Grass.</i> —Nil. <i>Grazing.</i> —Nil. <i>Fuel.</i> —Scarce.	
3. Kala Mulla Abbas.	6	24 $\frac{1}{2}$	Camels.	<i>Road.</i> —Would require a good deal of improvement to make it passable for artillery. <i>Camp.</i> —No details.	<i>Water.</i> —No details. <i>Supplies.</i> —A good deal of cultivation so probably a few supplies procurable.	
4. Pai-Kotal-i-Jalmish.	11	35 $\frac{1}{2}$	Mules, Camels.	<i>Road.</i> —Easy for mules. Laden camels might find the Kotal Jalmish difficult especially the descent. <i>Camp.</i> —Good camping ground at the village.	<i>Water.</i> —No details. <i>Supplies.</i> —Procurable in small quantities. <i>Fuel.</i> —Nil.	
5. Jalmish (Aodara).	9	44 $\frac{1}{2}$	Mules, Camels.	<i>Road.</i> —Is described as fit for force with mule transport but there appears to be no difficulties and it should probably be reckoned as fit for camels. <i>Camp.</i> —At Aodara 9 miles close to the river; good ground.	<i>Water.</i> —Abundant from Bamian river. <i>Supplies.</i> —In considerable quantities if there are no locusts. <i>Fuel.</i> —Plentiful. <i>Grass.</i> —Obtainable.	
6. Khoja Kashmir.	15	59 $\frac{1}{2}$	Mules.	<i>Road.</i> —Difficult at first even for lightly laden mules, then easier and difficult again at 14 $\frac{1}{2}$ miles. On the whole bad even for mules. <i>Camp.</i> —Good camping ground.	<i>Water.</i> —No details. <i>Supplies.</i> —A few obtainable in ordinary years. <i>Grass.</i> —Nil. <i>Fuel.</i> —Nil.	
7. Bagh-i-Hai-bak.	10	69 $\frac{1}{2}$	Mules.	<i>Road.</i> —Passable for mules but difficult. <i>Camp.</i> —No details.	<i>Water.</i> —No details. <i>Supplies.</i> —No details.	
8. Dara Ispish-tal.	12	81 $\frac{1}{2}$	Mules, Camels.	<i>Road.</i> —For first 2 $\frac{1}{2}$ miles very bad and difficult even for mules then a good camel track and 3 companies Sappers in 12 days could turn it into gun track. <i>Camp.</i> —For a brigade it might be better to go on to Barfak (5 miles) where a few supplies are obtainable.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Nil. <i>Grass.</i> —Nil. <i>Fuel.</i> —Plentiful.	

Section C.

ROUTE No. 21-B.—*concl'd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
9. Tala ..	11½	93	Camels, Carts.	<i>Road.</i> —Requires regrading and improving up to 5 miles for artillery. From 5 miles (Barfak) road is broad and fairly level, suitable for carts along left bank of the river. <i>Camp.</i> —Good camping ground and extensive.	<i>Water.</i> —Good and plentiful. <i>Fuel.</i> —Plentiful. <i>Grass.</i> —Plentiful. <i>Supplies.</i> —And a few sheep procurable.	
10 Shutar Jan-gal.	12	105	Mules.	<i>Road.</i> —Very difficult in places even for mule transport. Would require 2 companies Sappers working for 3 weeks to make it passable for guns. <i>Camp.</i> —Ample ground on left bank of river.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Nil, a few sheep. <i>Fuel.</i> —Plentiful. <i>Grass.</i> —Plentiful. <i>Camel grazing.</i> —Good.	
11 Dahan-i-Iskar.	13	118	Mules.	<i>Road.</i> —Difficult for pack transport and impassable for artillery between 4th and 5th miles, and also from 11¼ to 11¾ miles, otherwise good and passable all arms. Say 2 companies Sappers required for 10 days to make passable for artillery. <i>Camp.</i> —Good on either bank of river.	<i>Water.</i> —Ample from river. <i>Supplies.</i> —Practically nil. <i>Fuel.</i> —Small quantities. <i>Grass.</i> —A little procurable. <i>Camel grazing.</i> —Good.	
12. Doshi ..	11½	129½	Camels.	<i>Road.</i> —Fit for camels and with difficulty perhaps for field artillery. <i>Camp.</i> —Not very good ground for camp.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Sufficient for 2,000 sowars for one day said to be procurable in good years. Rice is the staple grain. <i>Fuel.</i> —Plentiful.	

Section C.

Route No. 22.

FROM TANK TO KHANAI *via* ZHOB VALLEY.

[Reference.—B-46-Con. Routes in Northern Baluchistan, Route No. 1.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Murtaza .. Post.	19	19	Mechanical transport.	<i>Road.</i> —Metalled, bridges up to any load. <i>Camp.</i> —To right of road close to Post. <i>Intermediate camp.</i> —At Jatta, 15 miles, some fodder obtainable here.	<i>Water.</i> —Drinking water from 3 channels running through camp. Water for animals south-west of camp. <i>Supplies.</i> —Nil. <i>Fuel and camel-grazing.</i> —Abundant.	
2. Nili Kats	11	30	Carts.	<i>Road.</i> —Unmetalled, crosses river by ford passable all arms except after heavy rain. <i>Camp.</i> —Ample space.	<i>Water.</i> —For drinking should be brought from Gumal river as the water in <i>nata</i> close to post is strongly aperient. <i>Supplies.</i> —Nil. <i>Fuel and camel-grazing.</i> —Abundant.	
3. Khajuri .. Kats.	17½	47½	Carts.	<i>Road.</i> —Unmetalled, passes through the Khajuri Tangi, very narrow and liable to be blocked (in 1910 for some months only a 4 feet track was open and traffic went round by the Gwaleri Pass <i>en route</i> to Wana, this route is a camel route only). <i>Camp.</i> —For a brigade near the Militia Post and for a force of any size on left bank of Zhob river.	<i>Water.</i> —Should be taken from springs or the Gomal river above its junction with Zhob, the water of the latter river being very unwholesome. <i>Supplies.</i> —Nil. <i>Fuel and camel-grazing.</i> —Abundant.	
4. Kuchbina (3,400')	13½	61½	Camels.	<i>Road.</i> —Originally an unmetalled cart road has now lapsed into disrepair and is fit for camels only. <i>Camp.</i> —For a division. <i>Intermediate camp.</i> —At 8 miles at the Ghazamanda Post.	<i>Water.</i> —Abundant, intermediate water at 5 miles for a Regiment. <i>Forage.</i> —Scarce. <i>Supplies.</i> —Nil. <i>Fuel and camel-grazing.</i> —Abundant.	
5. Mughal Kot (3,150')	7	68½	Camels.	<i>Road.</i> —Partially metalled, bridged and drained but unfit for wheels owing to disrepair. <i>Camp.</i> —For half battalion.	<i>Water.</i> —Abundant. <i>Fuel and forage.</i> —Plentiful. <i>Supplies.</i> —Scarce. <i>Camel-grazing.</i> —Abundant.	
6. Mir Ali Khel (3,620')	14½	82½	Camels.	<i>Road.</i> —As before, but passable for field artillery. <i>Camp.</i> —For a division.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —On notice. <i>Forage.</i> —Scarce. <i>Fuel and camel-grazing.</i> —Abundant.	

Section C.

ROUTE NO. 22—*contd.*

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
7. Safi (3,950')	11½	94	Carts.	<i>Road.</i> —Good, graded unmetalled cart road, bridged and drained. <i>Camp.</i> —For a battalion near the bungalow and for a brigade south of bungalow.	<i>Water.</i> —Abundant, but muddy from river. <i>Supplies.</i> —On notice. <i>Forage.</i> —Scarce. <i>Fuel and camel-grazing.</i> —Abundant.
8. Brunj (4,200')	10¼	104¼	Carts.	<i>Road.</i> —As before. <i>Camp.</i> —For a battalion. <i>Intermediate camp.</i> —For a brigade at 8½ miles.	<i>Water.</i> —Good and plentiful from Zhob. <i>Supplies.</i> —On notice. <i>Forage.</i> —Scarce. <i>Fuel and camel-grazing.</i> —Plentiful.
9. Fort Sandeman (4,522')	13¼	117½	Carts.	<i>Road.</i> —As before, but liable to be washed away in places by floods. <i>Camp.</i> —For a division, level, but hard and stony.	<i>Water.</i> —Good and abundant. <i>Supplies.</i> —Plentiful. <i>Forage.</i> —On notice. <i>Camel-grazing.</i> —Plentiful.
10. Badenzai (4,660')	15½	133½	Carts.	<i>Road.</i> —Fair weather cart road. <i>Camp.</i> —For a division on bank of river.	<i>Water.</i> —Abundant. <i>Forage and fuel.</i> —Scarce. <i>Camel-grazing.</i> —Abundant. Wheat, <i>bh'ra</i> , and wood are obtainable on notice.
11. Mena Viala	10	143½	Carts.	<i>Road.</i> —As before. <i>Camp.</i> —For a division.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Obtainable from bazar. <i>Fuel, forage and camel-grazing.</i> —Plentiful. <i>Water.</i> —Sufficient.
12. Musafirpur (4,750').	7½	150½	Carts.	<i>Road.</i> —As before. <i>Camp.</i> —For a division <i>Intermediate camping ground.</i> —At 2 miles	<i>Supplies.</i> —On notice. <i>Fuel.</i> —Scarce. <i>Forage and camel-grazing.</i> —Plentiful.
13. Tang Haiderzai. (4,750')	14½	164½	Carts.	<i>Road.</i> —As before. <i>Camp.</i> —For 2 battalions.	<i>Water.</i> —Scarce but of good quality from pools in <i>na'a</i> , if required for more than half battalion would have to be collected and stored. <i>Fuel and forage.</i> —Scarce. <i>Camel-grazing.</i> —Plentiful. <i>Supplies.</i> —Scarce.
14. Gwal Haiderzai. (4,900').	8	172½	Carts.	<i>Road.</i> —As before. <i>Camp.</i> —For a division.	<i>Water.</i> —Abundant in river. <i>Supplies.</i> —Would have to be collected beforehand. <i>Forage.</i> —Scarce, good <i>dhub</i> grass on plain in August and September. <i>Fuel and camel-grazing.</i> —Plentiful.

Section C.

ROUTE No. 22—contd.

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
15. Kalu Kala (5,000')	10 182½	Carts.	<i>Road.</i> —As before. <i>Camp.</i> —For force of any size.	<i>Water.</i> —From wells which are dry in November and December. <i>Intermediate water.</i> —From two good wells said to be inexhaustible at 6 miles (Alikhel.) <i>Fuel and forage.</i> —Scarce. <i>Supplies.</i> —Scanty.	
16. Akhtarzai (5,100')	16 198½	Carts.	<i>Road.</i> —Fair weather cart road on heavy ground which would be impassable probably in wet weather for wheels. <i>Camp.</i> —For a brigade, good ground for camp at about 9 miles.	<i>Water.</i> —12,000 gallons, good water from Karez, but scarce in summer (August). <i>Supplies.</i> —Nil. <i>Fuel and forage.</i> —Scarce. <i>Camel grazing.</i> —Abundant.	
17. Kala Saifulla (5,000')	9 207½	Carts.	<i>Road.</i> —A fair weather cart road, unmetalled. <i>Camp.</i> —For a brigade.	<i>Water.</i> —Sufficient, but of poor quality. <i>Forage and fuel.</i> —Scarce. <i>Bhusa.</i> —Plentiful in autumn. <i>Wheat and barley.</i> —Plentiful.	
18. Nisai ..	17½ 225	Carts.	<i>Road.</i> —As before. <i>Camp.</i> —Unlimited.	<i>Water.</i> —1 well sufficient for 1 company, probably plentiful from river. <i>Supplies.</i> —Nil.	
19. Hindubagh (5,675').	21 246	Carts.	<i>Road.</i> —As before. <i>Camp.</i> —For a brigade east of <i>bazar and serri</i> .	<i>Water.</i> —Good and abundant at <i>tahsil</i> , but water from river is poor and supply is decreasing. <i>Supplies.</i> —Scarce; sheep and goats obtainable. <i>Forage, and camel grazing.</i> —Plentiful. <i>Fuel.</i> —Scarce.	
<i>Note.</i> —Old road from Kala Saifulla (17) to Hindubagh <i>via</i> Kazhe and Shina Khora, <i>Alternative.</i>					
—18. Kazhe	11 218½	Carts.	<i>Road.</i> —Fit for carts. <i>Camp.</i> —For a brigade but dusty and uneven.	<i>Water.</i> —Indifferent and supply is decreasing. <i>Wheat.</i> —Bhusa, sheep and goats fairly plentiful. <i>Fuel and camel grazing.</i> —Abundant.	
19. Shina Khora (5,650').	19 237½	Carts.	<i>Road.</i> —Fit for carts but heavy going in places. <i>Camp.</i> —For a brigade.	<i>Water.</i> —Good from stream in hills. <i>Forage.</i> —Scarce. <i>Fuel, and camel grazing.</i> —Abundant. <i>Supplies.</i> —Small quantities only.	
20. Hindubagh.	10 247½	Carts.			

Section C.

ROUTE No. 22—concl'd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
20. Murgha .. Sultanzai, (7,100').	13	259	Carts.	<i>Road.</i> —Fair weather cart road. <i>Camp.</i> —For one battalion.	<i>Water.</i> —Abundant. <i>Fuel and forage.</i> —Scarce Sheep, goats and grain in season. <i>Camel grazing.</i> —Abundant.	
<i>Note.</i> —From here is a camel track to Kadin 16 miles, for heavily laden camels slight improvement would be required at miles 8-9 and in mile 10. Camp for 2 Brigades at Kadin.						
21. Khanozai (6,500').	16	275	Carts.	<i>Road.</i> —Would probably be impassable for wheels in wet weather. <i>Camp.</i> —Unlimited.	<i>Water.</i> —Good and abundant estimated at 400,000 gallons per diem. Sheep and grain in season. <i>Supplies.</i> —On notice. <i>Forage, fuel and camel-grazing.</i> —Pentiful.	
22. Kl anai (5,450)	15	290	Carts.	<i>Road.</i> —Good. <i>Camp.</i> —For a division but much cut up by cultivation. <i>Intermediate.</i> —Camp at 3 miles with abundant water.	<i>Water.</i> —Abundant, 80,000 gallons a day by pipe. <i>Supplies.</i> —Obtainable on notice or by rail. <i>Forage.</i> —Abundant. <i>Fuel and camel-grazing.</i> —Abundant.	

Section C.

ROUTE NO. 23.

FROM MAZAR-I-SHARIF TO KILIF.

[Reference.—Routes in Afghanistan N. W., Route No. 67.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Balk .. (1,235').	14	14	Camels.	<i>Road.</i> —Probably passable for all arms. <i>Camp.</i> —Ample ground on level plain.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —No details, probably obtainable only in small quantities.	
2. Urnaga (1,095').	17½	31½	Camels.	<i>Road.</i> —As before, liable to floods in summer. <i>Camp.</i> —No details.	<i>Water.</i> —From a pond. <i>Supplies.</i> —Not to be relied on. <i>Grass.</i> —Abundant.	
3. Aranji ..	15½	47	Camels.	<i>Road.</i> —Would require an advance party of sappers to prepare the numerous irrigation cuts for the passage of guns, cavalry would find movement difficult. <i>Camp.</i> —Near west end of village, no details.	<i>Water.</i> —Plentiful. <i>Grass.</i> —Scarce. <i>Fuel.</i> —Obtainable.	
4. Kilif .. (910').	28	75	[Camels.	<i>Road.</i> —Good and passable for all arms except perhaps in heavy rains. <i>Camp.</i> —Ample ground.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable in limited quantity.	

Note.—From Balk (stage 1) there is an alternative route to Kilif; this is said to be a good road practicable for field and even heavy artillery. Water at all stages and supplies probably procurable.

2. Adina Masjid.	14	14				
3. Intoha ..	12	26				
4. Yarik Sardaba.	8	34				
5. Kilif ..	22	56				

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Section C.

ROUTE No. 24.

FROM BOKHARA TO PATTÀ KESAR *viâ* KARSHI.

[Reference.—Military Report on Russian Turkistan, pp 109, 110—Routes (iv) and (vii) Kabul Line of Advance.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Lake Kunja Kul.	11½	11½	Carts.	<i>Road.</i> —This section of the route is reported as fit for any kind of wheeled transport.	<i>Water.</i> —Reported as scanty and reported as plentiful throughout? <i>Supplies.</i> —Obtainable. Karshi itself is accounted as one of the richest and most fruitful places in Bokhara, so supplies should be procurable in large quantities on notice.	
2. Karaul Bazar.	31½	43½				
3. Karkar ..	12½	55½				
4. Khwaja Mu-barik.	15½	71½				
5. Kasan ..	21½	93				
6. Karshi ..	16	109				
7. Vangi Kend	17½	126½	Carts.	<i>Road.</i> —No details ..	<i>Water.</i> —Scarce. <i>Supplies.</i> —Not to be relied on.	
8. Guzar ..	12½	139	Carts.	<i>Road.</i> —Level and good	<i>Water.</i> —Abundant. <i>Supplies.</i> — <i>f</i> all kinds abundant.	
15. Shirabad.	..	242		For stages from Guzar to Shirabad (<i>i.e.</i> , 8-15) <i>C.f.</i> , Route No. 25 Samarkand-Termez		
16. Shuturvar.	12½	254½	Carts.	<i>Road.</i> —Over level steppe	<i>Water.</i> —Scarce and salt. <i>Supplies.</i> —Not to be relied on.	
17. Ak-tube	18½	273½	Carts.	<i>Road.</i> —Over the plain.	No details.	
18. Patta-Kesar	16½	289½	Carts.	<i>Road.</i> —Practicable for wheels.	<i>Water.</i> —Abundant. <i>Supplies.</i> —No details.	

Section C.

ROUTE No. 25.
FROM SAMARKAND TO TERMEZ.

[Reference. —Military Report on Russian Turkistan, P. 110.—Route (viii) Kabul Line of Advance.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.		
1. Bagrin ..	15½	15½	Carts.	This section lies among hills and mountains. It is well graded and not difficult for carts. It is reported as unmetalled. In winter with the coming of snow this section is often impassable for 2 months, owing to the impossibility of clearing the heavy drifts of snow from the Takta-Karachi Pass in stage 3.	Water.—Is abundant throughout. Supplies.—Numerous cultivated valleys afford ample supplies.			
	(16½)	(16½)						
2. Aman Kutan	13½	28½						
	(11½)	(28½)						
3. Kainar ..	8½	37½						
	(9)	(37½)						
4. Shahr-i-Sabz	19	56½						
	(18½)	(56)						
5. Yakka Serai	9	65½						
	(9½)	(65½)						
6. Yar-tepe ..	14	79½						
	(14)	(79½)						
7. Guzar ..	21	100½						
	21½	(100½)						
8. Gumbulyak	14	114½						
	(13½)	(114)						
9. Tengi Khoran.	11	125½						
	(11)	(125)						
10. Sarai Ak-Rabat.	19½	145	Carts.	Road.—Crosses the Ak-Rabat pass in stage 10 (6,100') and Chakchak Pass in stage 11. These stages would be difficult in snow.	Water.—Abundant throughout. Supplies.—Fair quantity			
	(18½)	(143½)						
11. Derbent	14½	159½						
	(14½)	(158)						
12. Sairob ..	10½	170						
	(10½)	(168½)						
13. Chilyan-Zor.	11	181						
	(11)	(179½)						
14. Lyailyakan	8½	189½						
	(7½)	(187)						
15. Shirabad	13½	203½						
	(15½)	(202½)						
16. Angar ..	19½	222½						
	(20)	(222½)						
17. Termez ..	16	238½				Carts.	Road.—Level over sandy steppes, difficult after heavy rain.	Water.—Abundant. Supplies.—The country round is well cultivated.
	(16)	238½						

NOTE.—This road is reported as unmetalled. Where it passes through level country, its average width is 30 feet and in the hills about 24 feet. Where it crosses and recrosses the many streams there are, where necessary, wooden bridges averaging 9 feet in breadth and 20-30 feet in length.

Section D.

ROUTE No. 1.

FROM MURKHUSHI IN HUNZA TO KASHGAR *via* TASH KURGAN
AND YANGI-HISSAR.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Gulkhwajain.	11½	11½	Mules.	<i>Road.</i> —Over rocky and broken ground for 6 miles, then no difficulty. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —No details. <i>Grazing.</i> —Scanty about 2 miles south-west of camp on the banks of the stream.	
2. Mintaka Camp.	18	29½	Mules.	<i>Road.</i> —Over steep and broken ground. The ascent over the Mintaka Pass is very steep, loads have to be taken over by hand, pack transport cannot cross laden from end of December till mid-July. <i>Camp.</i> —At junction of Mintaka and Karachukar streams on broad open valley.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Nil. A few sheep and cattle. <i>Grazing.</i> —Excellent.	
3. Paik ..	15	44½	Mules.	<i>Road.</i> —Passable all arms as the valley is open and undulating with no difficulties. <i>Camp.</i> —No details.	<i>Water.</i> —Good and abundant from river. <i>Supplies.</i> —Nil. Some cattle and sheep. <i>Grazing.</i> —Good.	
4. Dufdar ..	20	64½	Mules.	<i>Road.</i> —No difficulty, could be made passable for wheels by ½ company Sappers and Miners in 6 hours. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Supplies.</i> —Nil. <i>Grazing.</i> —Good.	
5. Tash Kurgan	42	106½	Mules.	<i>Road.</i> —Fit for mule transport. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Supplies.</i> —Very limited. <i>Grazing.</i> —Excellent.	
6. Tarbashi ..	42	148½	Mules.	<i>Road.</i> —Fit for mule transport throughout. <i>Camp.</i> —No details.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —A few sheep. <i>Grazing.</i> —Excellent.	
7. Chahil Gumbaz,	21	169½	Mules.	<i>Road.</i> —Difficult even for mules especially through the Tangitar Gorge and over the Ter Art Pass. <i>Camp.</i> —No details.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Nil. <i>Sheep.</i> —Numerous. <i>Grazing.</i> —Plentiful. <i>Fuel.</i> —Scarce.	

Section D.

ROUTE No. 1—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
8. Yelpakhtash	19	188½	Mules.	<i>Road.</i> —Over the Kashka Su Pass ; is very steep and difficult for pack animals. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Grazing.</i> —Excellent. <i>Supplies.</i> —Nil. <i>Sheep.</i> —Numerous.	
9. Akhtala ..	32	220½	Mules.	<i>Road.</i> —No difficulty. <i>Camp.</i> —No details.	<i>Water.</i> —Good. <i>Supplies.</i> —Nil. <i>Sheep.</i> —Plentiful. <i>Grazing.</i> —Good. <i>Fuel.</i> —Plentiful.	
10. Ighiz Yar	23½	244	Mules.	<i>Road.</i> —In first 4 miles crosses 2 streams which form serious obstacles in summer when flooded by melting of the snows. Otherwise road is good and passable for all arms. <i>Camp.</i> —No details.	<i>Water.</i> —Good from river <i>Supplies.</i> —In small quantities only.	
11. Yangi His-sar.	25	269	Mules.	<i>Road.</i> —Good. <i>Camp.</i> —No details.	<i>Water.</i> —In town very bad ; good water can be obtained from a stream 1½ miles north-east of town. <i>Supplies.</i> —Plentiful.	
12. Yarpchan	23	292	Mules.	<i>Road.</i> —Good but heavy in places for artillery. <i>Camp.</i> —No details.	<i>Water.</i> —Indifferent. <i>Supplies.</i> —Scarce.	
13. Kashgar ..	27½	319½	Mules.	<i>Road.</i> —On the whole good but in summer there may be trouble when crossing the Yau-man Yar stream and its tributaries. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all sorts obtainable.	

Section D.

ROUTE NO. 2.

FROM KASHGAR TO ANDIJAN.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Ming Yol . .	27	27	Carts.	<p><i>Road.</i>—Just passable for wheels though it is heavy going in places and carts should be lightly laden.</p> <p><i>Camp.</i>—No details; probably room for one Brigade.</p>	<p><i>Water.</i>—Good and plentiful.</p> <p><i>Supplies.</i>—Practically nil.</p> <p><i>Fuel and grazing.</i>—Scarce.</p>	
2. Khanjugan	21	48	Carts.	<p><i>Road.</i>—Fit for wheels except in bed of Karaganlik stream where $\frac{1}{2}$ hour's work by $\frac{1}{2}$ company Sappers and Miners would be required to make it passable.</p> <p><i>Camp.</i>—No details.</p>	<p><i>Water.</i>—Slightly brackish but drinkable.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Sheep.</i>—Plentiful.</p> <p><i>Camel grazing.</i>—Plentiful.</p> <p><i>Fuel.</i>—Plentiful.</p>	
3. Khush Akoni.	28	76	Mules.	<p><i>Road.</i>—Fit for carts up to foot of Kizil Dawan Pass then impassable for wheels and in places difficult even for pack transport.</p> <p><i>Camp.</i>—No details. For 500 men possibly.</p>	<p><i>Water.</i>—Good and plentiful.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Sheep.</i>—Plentiful.</p> <p><i>Grazing and Fuel.</i>—Abundant.</p>	
4. Ulugchat . .	29 $\frac{1}{2}$	105 $\frac{1}{2}$	Mules.	<p><i>Road.</i>—No difficulty for pack transport.</p> <p><i>Camp.</i>—On plain $1\frac{1}{2}$ miles long by 2 miles broad for 2 brigades.</p>	<p><i>Water.</i>—Good and plentiful.</p> <p><i>Supplies.</i>—Limited. <i>Sheep</i> plentiful.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Grazing.</i>—Good.</p>	
5. Irkishtam. .	21	126 $\frac{1}{2}$	Mules.	<p><i>Road.</i>—No difficulty. At the junction of the rivers Kizil Su and Kara Terek there are two paths to Irkishtam one <i>via</i> Yeghin the other up Kizil Su valley, the former is longer but has to be used when the Kizil Su is impassable in summer owing to floods.</p> <p><i>Camp.</i>—No details; room for a brigade.</p>	<p><i>Water.</i>—Good and plentiful.</p> <p><i>Supplies.</i>—Nil. <i>Sheep</i> scarce.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Grazing.</i>—Good.</p>	
6. Kata Kunush.	18	144 $\frac{1}{2}$	Mules.	<p><i>Road.</i>—A difficult stage for heavily laden animals. The fords across the streams are difficult in summer. The Terek defile is impassable in summer and the longer route over the Taldik Pass</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—In small quantity only.</p>	

Section D.

ROUTE No. 2 —*contd.*

Stage.	Mileage		Road suitable for	Camps.	Supplies.	REMARKS.
7. Sufi Kurghan.	22	166½	Mules.	<p>has to be used. The crossing of the 2nd Ekezeh Pass would require improving (say ½ company Sappers and Miners in 2 hours).</p> <p><i>Camp.</i>—No details. Very cramped.</p>	<p><i>Water.</i>—Good from river.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Plentiful.</p> <p><i>Grazing.</i>—Good.</p>	
8. Gulcha ..	25½	192½	Mules, carts.	<p><i>Road.</i>—A cart road but in such bad repair especially at the various bridges that it can not be reckoned as passable except for pack transport mules unless greatly improved and repaired.</p> <p><i>Camp.</i>—No details. 500 men ?</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Limited.</p> <p><i>Sheep.</i>—In large numbers in the neighbourhood</p> <p><i>Fuel.</i>—Abundant.</p>	
9. Langar ..	22½	214½	Carts, mules.	<p><i>Road.</i>—2 roads: one fit for wheels over the Chigirchik Pass and the other fit for mules and much shorter <i>via</i> Shillibilli and Tokcha Passes.</p> <p><i>Camp.</i>—For a brigade.</p>	<p><i>Water.</i>—Good and plentiful from stream.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Fuel.</i>—Scarce.</p> <p><i>Grazing.</i>—Good.</p>	
10. Osh ..	21	235½	Mules, carts.	<p><i>Road.</i>—Bad but just passable for wheels. Much difficulty would be experienced in wet weather and flood time especially in the first 8 miles of this stage.</p> <p><i>Camp.</i>—Unlimited.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Of all sorts abundant.</p>	
11. Andijan	31	266½	Carts.	<p><i>Road.</i>—In good repair and fit for wheels throughout.</p> <p><i>Camp.</i>—Unlimited space.</p>	<p><i>Water.</i>—Plentiful.</p> <p><i>Supplies.</i>—Of all sorts abundant.</p>	

Section D.

ROUTE No. 3.
FROM KASHGAR TO NARIN.

Stage.	Milage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Artish ..	14	14	Carts.	<i>Road.</i> —Passable all arms. <i>Camp.</i> —No details.	<i>Water.</i> —Good from river <i>Supplies.</i> —Plentiful.	
2. Istish Kurghan.	21	35	Carts.	<i>Road.</i> —Over stony desert with no water. <i>Camp.</i> —Small oasis at foot of the hills.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Nil. <i>Sheep.</i> —Plentiful. <i>Grazing.</i> —Good.	
3. Agachi Kol	24	59	Carts.	<i>Road.</i> —A difficult stage and in constant need of repair.	<i>Water.</i> —Good. <i>Supplies.</i> —Scarce. <i>Sheep.</i> —Procurable. <i>Grazing.</i> —Scanty.	
4. Chakmak	15½	74½	Carts, mules.	<i>Road.</i> —Over the Kara Teke Pass was crossed by wheel transport in 1909. Probably would require considerable improvement now before being fit for heavy traffic.	<i>Water.</i> —Good. <i>Fodder.</i> —Plentiful. <i>Supplies.</i> —Nil. <i>Sheep, cattle and goats.</i> —Plentiful.	
5. Tion Deba	23	97½	Carts.	<i>Road.</i> —Fit for wheel transport. <i>Camp.</i> —In wind-swept valley.	<i>Water.</i> —Good. <i>Grazing.</i> —Good. <i>Sheep.</i> —Plentiful.	
6. Turgat Camp.	13	110½	Carts.	<i>Road.</i> —Good, gradients easy over Turgat Pass, fit for wheels.	<i>Water.</i> —Food. <i>Grazing.</i> —Good. <i>Sheep.</i> —Plentiful.	
7. Kara-Su ..	25	135½	Carts.	<i>Road.</i> —Good, fit for wheeled transport.	<i>Water.</i> —Good and plentiful. <i>Grazing.</i> —Plentiful. <i>Sheep and cattle.</i> —Abundant.	
8. Akbait ..	15	150½	Carts.	<i>Road.</i> —As before ..	<i>Water.</i> —Good. <i>Grazing.</i> —Excellent. <i>Sheep and cattle.</i> —Plentiful.	
9. Kara Ghulak	22	172½	Carts.	<i>Road.</i> —Gradual ascent. Good the whole way.	<i>Water.</i> —Good. <i>Sheep and cattle.</i> —Plentiful. <i>Grazing.</i> —Excellent.	
10. At Bashi	20½	193	Carts.	<i>Road.</i> —Over open and undulating valley.	<i>Water.</i> —Good. <i>Sheep and cattle.</i> —Plentiful. <i>Supplies.</i> —Limited. <i>Fodder.</i> —Plentiful.	
11. Narin ..	26½	219½	Carts.	<i>Road.</i> —Fairly easy for wheels but some of the gradients are rather steep.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Of all kinds plentiful.	

Section D.

ROUTE NO. 3-A.

FROM CHITRAL TO AGRAM PASS *via* SHOGHOT AND RUBAT.

[Reference.—Routes in Chitral, Gilgit and Kohistan, Route No. 30.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Shoghot ..	16	16	Mules.	<i>Road.</i> —Difficult. Liable to be swept away or wiped out by avalanches. <i>Camp.</i> —Ample space.	<i>Water.</i> —Good. <i>Supplies.</i> —Obtainable. <i>Fuel.</i> Obtainable.	
2. Shali ..	11½	27½	Mules.	<i>Road.</i> —Very difficult. Loads have to be taken off and manhandled in places. <i>Camp.</i> —On left bank of river for a brigade.	<i>Water.</i> —From stream. <i>Supplies.</i> —Nil.	
3. Rubat ..	7½	35	Mules.	<i>Road.</i> —Difficult but passable for laden animals. <i>Camp.</i> —For a brigade on fields when not under cultivation.	<i>Water.</i> —Good and plentiful. <i>Supplies.</i> —Procurable in fair quantity on notice. <i>Bhusa.</i> —Plentiful. <i>Fuel.</i> —Scarce.	
4. Agram-o-Gaz (5 miles from the Agram Pass).	12½	47½	Mules or ponies.	<i>Road.</i> —Practicable for laden animals of the country. <i>Camp.</i> —Good ground.	<i>Water.</i> —From stream. <i>Supplies.</i> —Nil. Some livestock from the herdsmen in summer. <i>Fuel.</i> —Plentiful.	

Section D.

ROUTE No. 3-B.

FROM CHITRAL TO DORAH PASS.

[Reference.—Routes in Chitral, Gilgit and Kohistan, Route No. 24.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Shoghot ..	16	16	Mules and ponies.	<i>Road.</i> —Difficult even for laden mules. The road is liable to be wiped out by avalanches. <i>Camp.</i> —Ample room.	<i>Water.</i> —Good. <i>Supplies.</i> —Obtainable. <i>Fuel.</i> —Obtainable.	
2. Drushp	13½	29½	Mules or ponies.	<i>Road.</i> —Difficult. <i>Camp.</i> —Ample space. Intermediate camps for a regiment at 2 miles and at 4½ and 7 miles.	<i>Water.</i> —Supply good from the river or Murdan stream. <i>Supplies.</i> —Obtainable. <i>Fuel.</i> —Obtainable.	
3. Ughuti . . .	8	37½	Mules and ponies.	<i>Road.</i> —No difficulty. <i>Camp.</i> —Ample room when crops have been cut.	<i>Water.</i> —Good. <i>Supplies.</i> —Obtainable. <i>Fuel.</i> —Plentiful.	
4. Shah Salim	12	49½	Mules or ponies.	<i>Road.</i> —No difficulty for pack animals. <i>Camp.</i> for two brigades, ground rather damp.	<i>Water.</i> —Ample. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Obtainable. <i>Grazing.</i> —Plentiful.	
5. Dorah Pass	7	56½	Mules and ponies.	<i>Road.</i> —Fit for laden mules. Small caravans can sometimes cross the Pass as early as 1st June. In mid-summer the Pass is free of snow. The descent is stony and troublesome but gradients not too steep for laden animals. <i>Camp.</i> —No details.		

Section D.

ROUTE No. 4.

FROM JALALABAD TO CHITRAL, *via* KUNAR VALLEY.

[Reference.—Routes in Afghanistan N. E., Route No. 2 and Routes in Chitral, Gilgit and Kohistan, Route No. 15.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Shewa ..	14	14	Camels.	<i>Road.</i> —Good camel road. Various small bridges across canals and <i>nalas</i> would have to be strengthened for guns. <i>Camp.</i> —For a division between hills and river.	<i>Water.</i> —Abundant. <i>Supplies.</i> —No details. <i>Fuel.</i> —Abundant.	
2. Nurgul ..	12	26	Camels.	<i>Road.</i> —Fit for laden camels throughout, difficult for artillery. <i>Camp.</i> —Plenty of ground but would be unsuitable in wet weather.	<i>Water.</i> —Abundant. <i>Supplies.</i> —There is a good deal of cultivation here.	
3. Chauki ..	11	37	Camels.	<i>Road.</i> —Fit for laden camels throughout. <i>Camp.</i> —No details.	<i>Water.</i> —No details; probably plentiful from stream. <i>Supplies.</i> —Probably procurable in fair quantity on notice.	
4. Narang ..	10	47	Camels.	<i>Road.</i> —Requires improving in places to make fit for artillery. <i>Camp.</i> —No details.	<i>Water.</i> —No details; probably plentiful from Kunar river. <i>Supplies.</i> —Probably plentiful from district on notice as there is rich cultivation.	
5. Chigha Sarai.	10	57	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —Obtainable.	
6. Shigal ..	11	68	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —Plenty of room.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Probably abundant on notice from many villages round.	
7. Asmar (Cantonment).	9	77	Camels.	<i>Road.</i> —Crosses river between Shigal and Shurtan by raft ferry. At 8 miles cross Asmar bridge difficult even for pack transport. <i>Camp.</i> —There are 2 battalions infantry, 1 mountain battery and a few sowars quartered here.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Obtainable.	
8. Nashagam	8	85	Camels.	<i>Road.</i> —Difficult in places even for camel transport especially at 6 miles. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —No details.	
9. Nari ..	10	95	Camels.	<i>Road.</i> —Pack transport only requires much improvement to make passable for wheels. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant from river. <i>Supplies, etc.</i> —No details.	

Section D.

ROUTE No. 4—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
10. Arnawai	8	103	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —In fields.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Obtainable.	
11. Damer Nissar.	11½	114½	Mules.	<i>Road.</i> —A worn track and requiring improvement to fit it even for mule transport. <i>Camp.</i> —Space for a brigade on fields.	<i>Water.</i> —Abundant from river. <i>Supplies.</i> —A few obtainable from Damer village. <i>Fuel.</i> —Plentiful.	
12. Mirkhanni	8	122½	Mules.	<i>Road.</i> —As before. <i>Camp.</i> —For 1 battalion with transport.	<i>Water.</i> —Abundant. <i>Supplies.</i> —No details. <i>Fuel.</i> —Plentiful.	
13. Drosh ..	10	132½	Camels or mules.	<i>Road.</i> —Fit for camel transport. <i>Camp.</i> —Room for large force on right bank of the river.	<i>Water.</i> —Abundant, <i>Supplies.</i> —Wheat, barley rice and Indian corn according to season abundant. <i>Live stock.</i> —Plentiful, <i>Fuel.</i> —Plentiful.	
14. Gairat ..	10½	143½	Mules.	<i>Road.</i> —Would require improving to make passable for camels. <i>Camp.</i> —Very restricted.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —In large quantities on notice from Ayun and Broz 5 to 8 miles distant. <i>Fuel.</i> —Plentiful.	
15. Chitral ..	15½	158½	Mules.	<i>Road.</i> —As in last stage. <i>Camp.</i> —For any sized force in valley round fort.	<i>Water.</i> —Plentiful. <i>Grain.</i> —Plentiful, also live stock. <i>Fuel.</i> —Plentiful.	

Section D.

ROUTE NO. 4-A.

FROM CHITRAL TO BAROGHIL PASS.

[Reference.—Routes in Chitral, Gilgit and Kohistan, Routes Nos. 37, 48.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Koghazi or Kaghozi.*	15	15	Mules.	<i>Road.</i> —Difficult for heavily laden mules at 5½ miles. Bulky loads have to be man-handled. <i>Camp.</i> —In orchards and on polo ground.	<i>Water.</i> —Ample from river. <i>Supplies.</i> —Plentiful. <i>Fuel.</i> —Plentiful.	
2. Barenis ..	13½	28½	Mules.	<i>Road.</i> —Dangerous in place and liable to be flooded, requires proper draining. <i>Camp.</i> —In orchard away from road, transport camps beyond and outside village.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Many fruit tree and a good deal of rice cultivated.	
3. Reshun ..	7½	36	Mules.	<i>Road.</i> —Through Parpish gorge is dangerous in wet weather owing to falling stones and also floods. Requires draining. <i>Camp.</i> —In various orchards and on polo ground.	<i>Water.</i> —From river. <i>Supplies.</i> —No details, probably obtainable in small quantities.	
4. Buni ..	13½	49½	Mules.	<i>Road.</i> —Difficult. In constant need of repairs. The bridge at Charun should be re-built to take laden animals. <i>Camp.</i> —After crossing the Buni stream.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Obtainable in small quantities. <i>Fuel.</i> —Very scarce.	
5. Sanoghar ..	10½	60	Mules.	<i>Road.</i> —No especial difficulty. <i>Camp.</i> —In various orchards.	<i>Water.</i> —Ample. <i>Supplies.</i> —On notice in large quantities. <i>Fuel.</i> —Available but very scarce.	
6. Mastuj ..	7	67	Mules.	<i>Road.</i> —No difficulty for mule transport. <i>Camp.</i> —At foot of the fan, no shade but good water.	<i>Water.</i> —From springs. <i>Supplies.</i> —Obtainable on notice. <i>Fuel.</i> —Small quantities only.	
7. Brep ..	13	80	Ponies and mules.	<i>Road.</i> —Difficult, could be made fit for laden mules by an advance party of Sappers or Pioneers. <i>Camp.</i> —At north end of village.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable.	
8. Miragram	12	92	Mules.	<i>Road.</i> —Would require much improvement and blasting to make passable for laden animals; at about 2½ miles loads have to be manhandled. <i>Camp.</i> —No details.	<i>Water.</i> —From river. <i>Supplies.</i> —Procurable. <i>Fuel.</i> —Very scarce.	
9. Warsam or Shopu.	7½ 8½	99½ 100½	Mules.	<i>Road.</i> —No great difficulty <i>Camp.</i> —Poor, a better camping ground is to be found at Shopu 1 mile further on.	<i>Water.</i> —From river. <i>Supplies.</i> —Scarce. <i>Fuel.</i> —Green wood plentiful.	

*Note.—This route is very difficult and requires improving in nearly every stage for laden mules.

Section D.

ROUTE No. 4-A—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
10. Shost or Dabargarh.	14 8½	113½	Mules.	<i>Road.</i> —Rough and stony. <i>Camp.</i> —In the fields. There is a good intermediate camping ground at Dabargarh 8½ miles with plentiful fuel and fodder.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable on notice. <i>Fuel.</i> —Obtainable.	
11. Kankhukuch or Imkip.	13 5½	126½	Mules.	<i>Road.</i> —Rough and stony <i>Camp.</i> —At mouth of nala running from the Kankhun Pass. Better camp at Imkip, 5½ miles with fuel and grass and supplies on notice.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Abundant. <i>Grass.</i> —Procurable.	
12. Vedinkot	13½	139½	Mules.	<i>Road.</i> —Very difficult especially at 8½ miles. <i>Camp.</i> —At foot of low-lying hill or ¼ mile further on facing Chatiboi Glacier.	<i>Water.</i> —Abundant. <i>Grass and Fuel.</i> —Abundant.	
13. Chilmar Rotat.	5½	145	Mules.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —On right bank of main river or 1 mile further on on the Dasht-i-Baroghil 2 miles from top of Pass where there is a level sweep of good grazing ground 1,000× wide.	<i>Water.</i> —Abundant. <i>Fuel.</i> —Scarce. <i>Grass.</i> —Scarce.	
14. Baroghil Pass	3	148				

Note.—As the Vedinkot bridge in stage 13 is broken and the river unfordable near it, camp should be made at 12½ miles from Kankhun Kuch. It may be taken that, until the bridge at Vedinkot is re-built, this route from stage 11 to the Baroghil Pass is impracticable except for lightly equipped troops.

Section D.

ROUTE No. 4-B.

FROM KANKHUN KUCH TO KANKHUN PASS.

[Reference.—Routes in Chitral, Gilgit and Kohistan, Route No. 51.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Kankhun Pass.*	7½	7½	Ponies and mules.	<i>Road.</i> —Difficult for laden mules at 2½ miles owing to heavy shale. The descent on the Wakhan side is fairly good and there is no necessity to unload animals.	No details.	

*Note.—The Pass is open to men on foot from May to October and for laden animals of the country from end of June to end of September.

Section D.

ROUTE No. 5-A.

FROM DIR TO CHITRAL.

[Reference.—Routes in Chitral, Gilgit and Kohistan, Route No. 1.]

Stages.	Milenge.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Mirga Gujar (?)	3½	9½	Camels or mules.	<i>Road.</i> —Fit for camel transport, between 8th and 9th mile very rough going. <i>Camp.</i> —Site varies from year to year; cramped even for 2 regiments and 1 battery; better camp at Gujar, 2½ miles further on, where is room for relieving force and escort.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Scarce. <i>Fodder.</i> —Scarce.	
2. Ziarat ..	9	18½	Camels or mules.	<i>Road.</i> —For pack transport. <i>Camp.</i> —On either side of stream sufficient for 3 regiments and 1 battery.	<i>Water.</i> —Plentiful.	
3. Mirkanni ..	9½	28	Camels or mules.	<i>Road.</i> —Fit for camel transport. <i>Camp.</i> —For 1 battalion with transport.	<i>Water.</i> —Plentiful. <i>Fuel.</i> —Plentiful.	
4. Drosh ..	10	38	Camels or mules.	} <i>Cf.</i> these stages in Jalalabad to Chitral, Route No. 3.		
5. Gairat ..	10½	48½	Mules.			
6. Chitral ..	15½	64	Mules.			

Section D.

ROUTE No. 6.

FROM CHITRAL TO GILGIT *via* MASTUJ.

[Reference.—Routes in Chitral, Gilgit and Kohistan, Routes Nos. 37, 65.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Koghazi or Kaghazi.	15	15	}	<i>Cf.</i> Chitral to Baroghil Pass. Route No. 4-A.		
2. Barenis ..	13½	28½				
3. Reshun ..	7½	36				
4. Buni ..	13½	40½				
5. Sanoghar ..	10½	60				
6. Mastuj ..	7	67				
7. Gashit ..	8	75					Mules.	Road.—At 3 miles is bad constantly breaking away but easily repairable. Camp.—About centre of Ghasht.	Water.—From Laspur river. Supplies.—Procurable on notice sufficient for one battalion.
8. Laspur ..	10½	85½	Mules.	<i>Road.</i> —No difficulty for laden mules. <i>Camp.</i> —No details.	<i>Water.</i> —From the river. <i>Supplies.</i> —On notice.	
9. Langar ..	11½	97½	Mules.	<i>Road.</i> —No difficulty. <i>Camp.</i> —Flat ground suitable for camp but much overgrown with willows and intersected by streams.	<i>Water.</i> —Abundant. <i>Supplies.</i> —No details. <i>Fuel and forage.</i> —Plentiful.	
10. Ghizar or Tera.	16	113½	Mules.	<i>Road.</i> —At 9½ miles cross nala by footbridge, difficult to ford from mid-June to end of August. <i>Camp.</i> —At Ghizar 11½ miles from Ghashi or at Tera where is room for a brigade.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable on notice probably for a battalion.	
11. Chashi ..	13	126	Mules.	<i>Road.</i> —No difficulty. <i>Camp.</i> —If not sufficient dry ground camp either at Shamran 7½ miles or at Pandur in last stage where is room for a division.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable.	
12. Pingal ..	9	135½	Mules.	<i>Road.</i> —Not so good, more ascents and descents. <i>Camp.</i> —Good camping ground in the fields.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Scarce.	
13. Juljas .. or Julizhal.	10½	146½	Mules.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Small quantities only.	

Section D.

ROUTE No. 6—contd.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
14. Gupis ..	14	160½	Mules.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —In considerable quantities, on notice from the Yasin valley.	
15. Yangal or Sumal.	8½	169	Mules.	<i>Road.</i> —No difficulty .. <i>Camp.</i> —Room to encamp	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable on notice from Sumal, 3 miles distant.	
16. Gakuch ..	15½	184½	Mules.	<i>Road.</i> —No difficulty for pack transport. <i>Camp.</i> —Good level ground for camping.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable.	
17. Singal ..	10½	195	Mules.	<i>Road.</i> —No difficulty for pack transport. <i>Camp.</i> —Good ground for camping.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable.	
18. Gulepur ..	12½	207½	Mules.	<i>Road.</i> —No difficulty for pack transport. <i>Camp.</i> —1 mile short of village, or at Shikaikot 2 miles beyond where there is a large plain suitable for camping and a store of grain.	<i>Water.</i> —Abundant. <i>Supplies.</i> —No details.	
19. Pilchi ..	8½	216	Mules.	<i>Road.</i> —No difficulty for pack transport. <i>Camp.</i> —Near river at 8½ miles.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Probably enough for one attalion could be collected on notice. <i>Fuel.</i> —Abundant. <i>Forage.</i> —Nil.	
20. Gilgit ..	12½	228½	Mules.	<i>Road.</i> —No difficulty for pack transport. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable.	

Section D.

ROUTE No. 6-A.
FROM GAKUCH TO ASKHUMAN.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Camp (below the junction of Ashkuman and Yasin rivers, opposite Gakuch.)	..	..	..	<i>Camp.</i> —Ample ground for camp.	<i>Water.</i> —From river and good spring. <i>Supplies.</i> —Not to be relied on. <i>Firewood.</i> —Plentiful. <i>Forage.</i> —Scare.	
2. Chatorkand	12½	12½	Ponies or mules.	<i>Road.</i> —Crosses river at 8½ miles; this is impossible in summer for some months in which case the left bank is followed and the road is very difficult; by fording the river, when possible, difficulties are avoided and path on right bank easier. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Very few obtainable.	
3. Imit or Har-mat.	13½	26	Ponies or mules.	<i>Road.</i> —Practicable for laden animals of the country throughout. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Very few obtainable.	
4. Ashkuman	6	32	Ponies or mules.	<i>Road.</i> —Practicable for laden animals of the country throughout. <i>Camp.</i> —No details.	<i>Water.</i> —From stream. <i>Supplies.</i> —And a little transport are obtainable.	

Section D.

ROUTE NO. 7.

FROM YASIN TO DARKOT PASS.

[Reference.—Routes in Chitral, Gilgit and Kohistan, Route No. 52.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Hundur ..	13	13	Ponies.	<i>Road.</i> —Practicable for laden animals of the country throughout. <i>Camp.</i> —No details.	<i>Water.</i> —From river. <i>Supplies.</i> —Obtainable.	
2. Rowat .. (at foot of the Darkot Pass).	14½	27½	Ponies.	<i>Road.</i> —As before <i>Camp.</i> —For regiment of infantry.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Scarce. <i>Fuel.</i> —Plentiful. <i>Grazing.</i> —Obtainable.	

Note.—The Darkot Pass opens about end of June and is closed by about 15th October.

Section D.

ROUTE No. 8.

FROM ZEBAK TO FAIZABAD.

[Reference.—Routes in Afghanistan N. E., Route No. 6.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
				
1. Tilgaran	Camels.	<p><i>Road.</i>—Stony and narrow in places bad for laden animals.</p> <p><i>Camp.</i>—No details; a fort is being built here to hold wing of Infantry battalion.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Nil.</p>	
2. Chakran	Camels.	<p><i>Road.</i>—Becomes broader on the whole and cavalry could march in fours, blasting would be necessary in places for wheeled traffic.</p> <p><i>Camp.</i>—No detail.</p>	<p><i>Water.</i>—No details.</p> <p><i>Supplies.</i>—Villages are more plentiful, but supplies could only be collected on notice.</p>	
3. Khairabad	Camels.	<p><i>Road.</i>—12' to 20' broad, as before, with slight improvement could be made fit for field artillery.</p> <p><i>Camp.</i>—On open plain, 3 miles by 2.</p>	<p><i>Water.</i>—No details.</p> <p><i>Supplies.</i>—Probably for a brigade if arranged for beforehand.</p> <p><i>Grass.</i>—Plentiful.</p>	
4. Faizabad (3,800 feet).	Camels.	<p><i>Road.</i>—Good.</p> <p><i>Camp.</i>—Faizabad is a large garrison town built in a narrow defile overlooking a large open plain on which a large force could encamp.</p>	<p><i>Water.</i>—Abundant.</p> <p><i>Supplies.</i>—Abundant for at least 4 battalions.</p>	

Note.—Distances between stages are not given in Route Books. Estimated distance from Zebak to Faizabad is 94 miles.

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Section D.

ROUTE No. 9.

FROM DORAH PASS TO ZEBAK.

[Reference. — Routes in Afghanistan N. E., Route No. 6.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Camp (1 mile below Huz-i-Dorah)	5	5	Mules.	<i>Road.</i> —A stony track difficult but passable for laden mules. <i>Camp.</i> —No details. Owing to lack of fuel caravans generally halt 4 miles further on at Gazikistan, where is a good camping ground with fuel and forage.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Nil.] <i>Forage.</i> —Obtainable.	
2. Sanglich* (9,500'). (10,200').	11½	16½	Mules.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Not to be relied on.	
3. Iskatol (9,200').	9½	26	Mules.	<i>Road.</i> —As before but less difficult. <i>Camp.</i> —In fields just above the village.	<i>Water.</i> —Abundant. <i>Supplies.</i> —In small quantities. <i>Fuel.</i> —And forage obtainable.	
4. Zebak (8,500').	10	36	Mules.	<i>Road.</i> —Up to 8 miles is stony and bad, difficult but practicable for laden mules. <i>Camp.</i> —On the plain, ample ground.	<i>Water.</i> —Abundant from stream. <i>Supplies.</i> —Small quantities. <i>Fuel.</i> —And forage obtainable.	

* Note.—From here is a path to Chitral *via* Uni Pass (15,700'); it is impracticable for animals but could be used by men on foot to turn the Dorah Pass.

Section D.

ROUTE No. 10.

FROM SKOBELEF TO KULAB *via* GARM AND TENGIZ BAI PASS.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
Stages ..	16	..				<i>Road</i> , for pack transport, probably open all the year round. A route from Khokand, open for 4 or 5 months only, joins this route at Garm. <i>Supplies</i> , except cattle, are scarce N. of Garm. Movements of troops probably limited to bodies of from 4,000 to 5,000 men daily.
Distance ..	305	miles.				

Section D.

ROUTE No. 11.

FROM SAMARKAND TO KULAB *via* BALJUAN.

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
Stages ..	26				
Distance ..	366 miles				<p><i>Road.</i>—Fit for carts to Sha'ir-i-Sabz and thence for pack transport. Impassable over the Chak-Char Pass for some months in winter.</p> <p>Troops could probably move in bodies of 4,000 to 5,000 men daily.</p> <p><i>Supplies.</i>—Plentiful in the first 70 miles and near Kulab.</p>

Section D.

ROUTE No. 12.

FROM CHERNAYEVO TO KULAB *via* KARATAGH.

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
Stages ..	25				
Distance ..	about 284 miles				<p><i>Road.</i>—Fair for pack transport. Impassable for 6 or 8 months when passes are blocked with snow.</p> <p><i>Supplies.</i>—Should be obtainable in places and after reaching Karatagh when the Samarkand-Kulab route is joined.</p>

Section D.

ROUTE No. 13.

FROM KASHGAR TO PAMIRSKI POST.

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
Distance ..	180 miles.				<p><i>Road.</i>—For pack transport only.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Water.</i>—And Grazing obtainable.</p>

Section D.

ROUTE No. 13-A.

FROM PAMIRSKI POST TO TASH KURGHAN.

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
Distance ..	145 miles.				<p><i>Road.</i>—For pack transport only.</p> <p><i>Supplies.</i>—Nil.</p> <p><i>Water.</i>—And grazing obtainable.</p>

Section D.

ROUTE No. 14.

FROM SOMA TASH TO PAMIRSKI POST.

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
Distance ..	80 miles ..	....	<i>Road.</i> —Practicable for pack transport. <i>Supplies.</i> —Very scanty. <i>Water.</i> —And grazing obtainable.		

Section D.

ROUTE No. 15.

FROM OSH TO PAMIRSKI POST *via* TALDIK AND AK BAITAL PASSES.

Stage.	Mileage.	Road suitable for	Camps.	Supplies.	REMARKS.
Distance ..	244½ miles	....	<i>Road.</i> —Practicable for all 3 arms using pack artillery. Not used in winter owing to heavy snow on the Taldik Pass, when the longer alternative route <i>via</i> Terek Pass is used. This alternative route is fit for pack transport. <i>Supplies.</i> —At certain stages only. <i>Water and fuel.</i> —Generally obtainable.		

Section D.

ROUTE No. 16.

FROM SKOBELEF TO SOMA TASH *via* DARANT KURGHAN.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
Stages ..	17	(?)				
Distance ..	From 300	280 to miles.	....			<i>Road.</i> —Cart road as far as Uch Kurghan (20 miles) then fit for pack transport. <i>Supplies.</i> —Not to be relied on. <i>Water, fuel and grass.</i> —Procurable

Section D.

ROUTE No. 16-A.

FROM SKOBELEF TO CHITRAL *via* ZEBAK AND DORAH PASS.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
Stages ..	4	1				
Distance ..	563½	miles.	....			<i>Road.</i> —Good as far as Garm, bad in parts and difficult from Garm to Bar Panja, improves from thence to Ishkashim and is tolerably good onwards to Chitral. Practicable throughout for pack transport. <i>Supplies.</i> —Obtainable only at certain stages. <i>Water, fuel and grass.</i> —Generally procurable.

Section D.

ROUTE No. 17.

FROM SKOBELEF TO TASH KURGHAN *via* KASHGAR.

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
Stages ..	32					
Distance ..	49½	miles.	....			<i>Road.</i> —Fit for carts up to Kashgar (stage 21) fit for cam els from Kashgar to Tash Kurghan. The elevation of the route south of Kashgar will prevent its use for several months of winter. <i>Supplies.</i> —Practically no supplies, except slaughter animals, are procurable south of Kashgar.

Section D.

ROUTE No. 18.

FROM GILGIT TO HUNZA.

[Reference.—Routes in Chitral, Gilgit and Kohistan, Route No. 114.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Pilchai (5,000 feet).	9½	9½	Mules.	<i>Road.</i> —Along Hunza river liable to damage from sudden floods in summer. <i>Camp.</i> —On sandy waste 2 miles long near river.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —N'l. <i>Fuel.</i> —Obtainable.	
2. Nomal . . (5,200 feet).	8	17½	Mules.	<i>Road.</i> —Good throughout. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —A few procurable.	
3. Chalt . . (6,560 feet), (6,120 feet).	14	31½	Mules.	<i>Road.</i> —Good but liable to be wiped out by floods. <i>Camp.</i> —No details. Intermediate camp for a brigade with good water-supply between 5½ and 6¾ miles.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable.	
4. Thol (6,750 feet), (6,450 feet).	12½	43¾	Mules.	<i>Road.</i> —Fair up to 8½ miles then steep ascents and descents and at 11½ miles in the Nilt ravine loads must be manhandled. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —In small quantities only; fruit plentiful.	
5. Tashot . . (6,550 feet).	11½	55	Mules.	<i>Road.</i> —In 3 or 4 places loads must be manhandled and mules taken down the descents unloaded. <i>Camp.</i> —No details.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable in small quantities.	
6. Aliabad (Humza) (7,150 feet).	6½	61½	Mules.	<i>Road.</i> —Fit for laden mules. <i>Camp.</i> —Ample space for large camp.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable.	

Section D.

ROUTE No. 19.

FROM CHILAS TO GILGIT.

[Reference.—Routes in Chitral, Gilgit and Kohistan, Routes Nos. 111, 106.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Bunar Levy Post.	17	17	Camels.	<i>Road.</i> —A good 10' road with no steep gradients. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Fuel, fodder and supplies.</i> —Obtainable from the Supply and Transport Godown.	
2. Jiliper ..	10	27	Camels.	<i>Road.</i> —As before but crosses various streams which may become dangerous in flood time. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Obtainable.	
3. Lechir ..	13	40	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Plentiful. <i>Grass Fuel and a few Supplies.</i> —Obtainable.	
4. Bunji ..	13	53	Camels.	<i>Road.</i> —This is most difficult stage owing to a 'slip' at 1½ miles which is at times quite impassable, and to danger of floods at 6 miles making road absolutely impossible. Except at these two places the road is as before. <i>Camp.</i> —Space for a large force to camp.	<i>Water.</i> —Abundant. <i>Grass, fuel and supplies.</i> —Obtainable. This place is the headquarters of 1battalion and 1 mountain battery of the Kashmir Imperial Service Troops.	
5. Pari ..	17	70	Camels;	<i>Road.</i> —Good. This is, however, a very hot march in summer and there is no water <i>en route</i> except at 8½ miles. <i>Camp.</i> —For a large force.	<i>Water.</i> —From a spring, thick and dirty but wholesome. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Nil. <i>Grazing.</i> —Nil.	
6. Minowar	10	80	Camels.	<i>Road.</i> —Good and fit for pack transport. <i>Camp.</i> —No details.	<i>Water.</i> —No details; none <i>en route</i> . <i>Supplies.</i> —Practically nil. <i>Grazing.</i> —A little. <i>Fuel.</i> —Obtainable.	
7. Gilgit ..	9	89	Camels.	<i>Road.</i> —Good and level throughout.		

Section D.

ROUTE No. 20.

FROM ABBOTTABAD TO CHILAS.

[Reference.—Routes in Chitral, Gilgit and Kohistan, Route No. 93.]

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
1. Mansehra (3,690').	16	16	Carts.	<i>Road.</i> —Broad, metalled and fit for wheel traffic <i>Camp.</i> —For $\frac{1}{2}$ battalion by dāk bangalow. For a division by scattering units.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Procurable.	
2. Jabah .. (3,750').	13	29	Carts and Camels.	<i>Road.</i> —For first 9 miles is 20' wide, metalled and fit for wheels then 8' wide, level and fit for camel transport. <i>Camp.</i> —Ample for 2 battalions.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Only on notice in small quantities.	
3. Bala Kot (3,380').	10 $\frac{1}{2}$	39 $\frac{1}{2}$	Camels.	<i>Road.</i> —Good, 8 feet wide but slippery in wet weather for camels at 1 $\frac{1}{4}$ miles over the Dum Gali Kotal. <i>Camp.</i> —For a brigade if scattered, for 2 battalions on ground near rest-house. <i>Intermediate.</i> —Camp for a battalion with plentiful water at 5 miles.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Procurable in fair quantity on notice.	
4. Kawai .. (4,985).	12 $\frac{1}{2}$	52 $\frac{1}{2}$	Camels.	<i>Road.</i> —8 feet wide and fair except where liable to landslips between 7th and 9th miles. <i>Camp.</i> —For 3 companies or for a larger force a camp could be found 1 mile beyond Kawai.	<i>Water.</i> —Excellent from spring and from <i>nala</i> . <i>Supplies.</i> —Not to be relied on.	
5. Mahandri (5,150').	13	65 $\frac{1}{2}$	Mules.	<i>Road.</i> —There are certain places in this stage where the road is too narrow for camels and where overhanging rock requires cutting away to allow of their passage. <i>Camp.</i> —For 3 companies with transport and additional ground across the river. <i>Intermediate camping.</i> —Grounds for a battalion at least at 4, 6 $\frac{1}{2}$ and 11 miles.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Not to be relied on. <i>Grass and Fuel.</i> —Procurable.	

Section D.

ROUTE No. 20—*contd.*

Stage.	Mileage.		Road suitable for	Camps.	Supplies.	REMARKS.
6. Kaghan .. (6,750').	11½	76½	Camels.	<i>Road.</i> —Through mountainous country but with no very steep gradients. <i>Camp.</i> —No details. <i>Intermediate.</i> —Camping ground for 3 companies with transport at 7 miles.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Not to be relied on. No grain.	
7. Narau (8,040').	14	19½	Camels.	<i>Road.</i> —3 feet wide and graded throughout. <i>Camp.</i> —South of rest-house on low ground which would be bad in rain.	<i>Water.</i> —Abundant. <i>Supplies.</i> —Nil. <i>Fuel.</i> —Obtainable. <i>Grass.</i> —Obtainable.	
8. Butta Kundi (8,850').	10	100½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —For a brigade on the downs.	<i>Water.</i> —Plentiful. <i>Supplies.</i> —Nil. <i>Grazing.</i> —Excellent.	
9. Burawai .. (9,710').	8	108½	Camels.	<i>Road.</i> —Fit for camels. <i>Camp.</i> —Near rest-house, no details.	<i>Water.</i> —Excellent. <i>Supplies.</i> —Nil. <i>Fuel and Grass.</i> —Obtainable.	
10. Besal .. (10,660').	11	119½	Camels.	<i>Road.</i> —Liable to be washed away by heavy rain in places. <i>Camp.</i> —Ample space for encampment on grass slopes and waste land.	<i>Water.</i> —Good. <i>Supplies.</i> —Cattle, sheep and goats from mid-June till autumn, otherwise nil. <i>Fuel.</i> —Scarce. <i>Grass.</i> —Procurable.	
11. Gittidas	7½	127½	Camels.	<i>Road.</i> —Liable to be blocked at about 1½ miles and requires constant clearing and widening. <i>Camp.</i> —Ample ground on both sides of stream.	<i>Water.</i> —Abundant. <i>Supplies.</i> —As at stage 10. <i>Grass.</i> —Abundant. <i>Fuel.</i> —Obtainable.	
12. Babusar (9,200').	11½	138½	Mulos. Camels.	<i>Road.</i> —8 feet to top of the Pass at about 4 miles, then 10 feet wide onwards. Some steep descents which might be difficult for laden camels. <i>Camp.</i> —For a battalion and a battery with transport.	<i>Water.</i> —Abundant. <i>Water.</i> —Is scarce en route in summer and should be carried. <i>Supplies.</i> —Not to be relied on. <i>Fuel.</i> —Abundant. <i>Grass.</i> —Scarce.	
13. Singal (5,500').	12	150½	Camels.	<i>Road.</i> —10 feet wide, fit for camels. <i>Camp.</i> —Confined.	<i>Water.</i> —Abundant and good. <i>Supplies.</i> —Nil. <i>Fuel and Grass.</i> —Procurable but scanty.	
14. Chilas .. (4,150').	11½	162½	Camels.	<i>Road.</i> —As before. <i>Camp.</i> —No details.	<i>Water.</i> —Excellent. <i>Supplies.</i> —Procurable but in no large quantities.	

STRATEGICAL EPITOME OF ROUTES ON AND BEYOND THE NORTH-WEST FRONTIER
OF INDIA.

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