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An Introduction to Khengkha: A Language of Central Bhutan*

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Summary

The Kheng Language (also known as Khengkha in Bhutan) is one of the major languages in Central Bhutan, belonging to the East Bodic branch of Tibeto-Burman languages. The main languages spoken in Bhutan are Dzongkha in the western, Bumthap in the central, and Tsangla (a.k.a. Shar chop) in the eastern areas. Dzongkha is the national language of Bhutan, and it is spoken as the mother tongue around Thimphu, the nation's capital. It is classified as a southern dialect of Tibetan. Tsangla in eastern Bhutan is also distributed in Arunachal Pradesh in India and *metog rdzong* in South Tibet, China, spoken by Mon people. Bumthap, in Central Bhutan, has the Mangdep and Kurtöp dialects beside Khengkha, but they have not been studied in detail yet except for Kurtöp. Khengkha is considered a major dialect of Bumthap and it is obvious that the appearance of the language is influenced by Dzongkha, however, they also preserve old constituents, such as the numeral system, that date back to before the formation of written Tibetan. As there is a lack in sufficient data for a historical study on Khengkha, this paper aims to provide a basic vocabulary and grammatical sketch based on the Matisoff 200 Word List, which was designed for the historical study of Tibeto-Burman languages. This list includes written Tibetan and reconstructed Proto-Tibeto-Burman words equated to English items. Through field research, I recorded language data of Dzongkha, Bumthap, and Tsangla. By cross-referencing and comparing Khengkha words to the data collected, we may be able to see and indicate which words are preserving old forms, corresponding to written Tibetan, or borrowing from Dzongkha or surrounding languages. I hope this introductory work containing the word list will contribute to the investigation of the historical development of Khengkha and further field research.

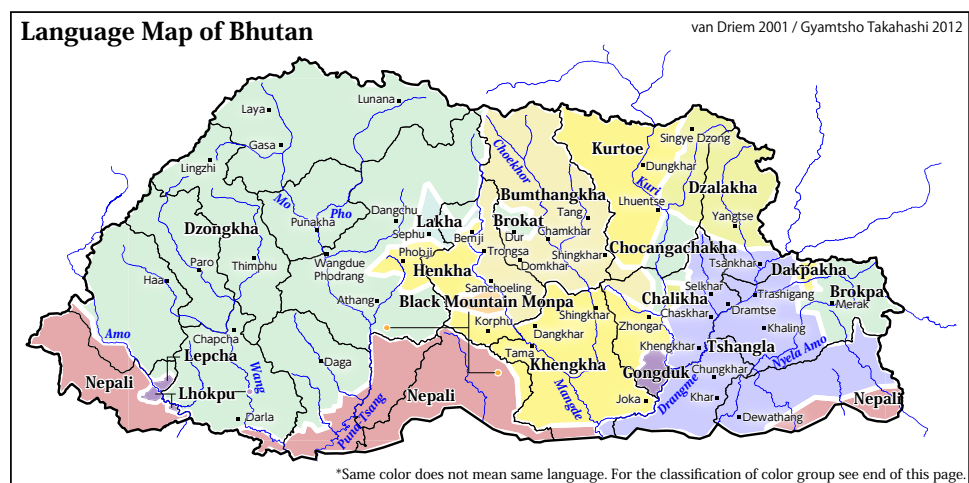
Key words: Bhutan, East-Bodic, Tibeto-Burman, Matisoff 200 Word List, old constituent

关键词：不丹国、喜马拉雅语东支、藏缅语、核心词、古貌遗留

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1. Introduction

Kheng language, or Khengkha (*kha* means “oral speech”), is classified as an East Bodish language in Western Tibeto-Burman, spoken by about 40,000 people in the Sarpang, Trongsa, Zhemgang, and Mongar districts of south-central Bhutan. The main languages spoken in Central Bhutan are Kurtöp, Bumthap, and Khengkha. Bumthap is the most related language to Khengkha, sharing not a few common words and features between them. Kurtöp is rather different from Khengkha, being difficult to make conversation among them. Khengkha speakers had close contact with speakers of the Kurtöp and Bumthap languages, the nearby languages of Central Bhutan, to the extent that they may be considered part of a wider collection of “Bumthang languages,” and some linguists recognize Khengkha as a dialect of Bumthap. These three languages in Central Bhutan all follow the same typology as Dzongkha, however, Khengkha is not a dialect of Dzongkha.



Khengkha is an oral language without a writing system, only spoken at home, for commerce, local politics, traditional religion. It is not an educational language taught in school, as opposed to Dzongkha and English. As there is no official romanization system of Khengkha, few texts are published in this language.

First, a general view on some basic words of Dzongkha, Bumthap, and Khengkha should be taken, for comparison.

Table 1 A word list of Dzongkha, Bumthap, and Khengkha

	Dzongkha	Bumthap	Khengkha
I	/nga/ [ŋΛ ²³]	/ngat/ [ŋat ^{r23}]	/nga/ [ŋΛ ²¹]
person	/ˈmi/ [mi ⁴⁴]	/ˈmi/ [ʔmi ⁴³]	/mi/ [mi ²¹]
child	/ˈalu/ [ʔΛ ⁴⁴ lu ⁴⁴]	/o nga/ [ʔo ⁴⁴ ŋΛ ²²]	/o lo/ [ʔo ⁴⁴ lo ²²]
hand/arm	/lap/ [lΛp ²³]	/yak/ [jΛk ⁴⁴]	/ya/ [jΛ ⁴²]
foot/leg	/kam/ [kΛm ⁴³]	/tawa/ [tΛ ²² wΛ ⁴⁴]	/dok pa/ [dok ²² pΛ ²²]
one [1]	/ci/ [tci ⁴⁴]	/thek/ [t ^h ek ^{r44}]	/thek/ [t ^h eʔ ⁴³]
two [2]	/ˈni/ [ni ⁴⁴]	/zon/ [zon ²³]	/zong/ [zon ²¹]
three [3]	/sum/ [sum ⁴⁴]	/sum/ [sum ⁴³]	/sum/ [sum ⁴³]
the sun	/ˈnim/ [nim ⁴⁴]	/ˈni/ [ʔniʔ ⁴⁴]	/nä/ [nɛ ²¹]
the moon	/dau/ [dΛu ²³]	/ladang/ [lΛ ⁴⁴ dΛ̃ ²²]	/ˈacu lala/ [ʔΛ ⁴⁴ tɕu ⁴³ lΛ ²² lΛ ²²]
snow	/khau/ [k ^h Λu ²³]	/ka/ [kΛʔ ⁴⁴]	/ka/ [kΛʔ ⁴²]
who	/gamo/ [gΛ ²³ mo ²³]	/ˈe/ [ɛ ⁴⁴]	/ai/ [ai ⁴²]
eat	/za-ni/ [zΛ ²³ ni ²²]	/zō-zang/ [zø ²⁴ -zΛ̃ ²²]	/zō-gem/ [zø ²³ -gem ²¹]
laugh	/ga-ni/ [gΛ ²³ ni ²²]	/ga-zang/ [gΛ ²⁴ -zΛ̃ ²²]	/ga-gem/ [gΛ ²³ -gem ²¹]

* Coda stops / -p , -t , -k / in Bumthap could be released.

/-p/ → [-p^r ~ -p^h] ; /-t/ → [-t^r ~ -t^h] ; /-k/ → [-k^r ~ -k^h]

* The word for “moon” in Bumthap consists of /la/ ‘moon’ and /dang/ ‘light’; this word indicates both ‘the moon’ and ‘moonlight’.

2. Phonology

The common phonological features observed over the sub-dialects of Khengkha consist of a five main vowel system, pitch accent systems, a restricted set of final consonants, and a restricted set of consonant clusters in initials. It is still premature to describe the phonological system and features in detail; this report can only provide first-hand data and a preliminary analysis. The Khengkha phonological system has not been established yet, therefore, I tried to use the International Phonetic Alphabet (IPA) to record and describe the phonetic appearance in detail. I think it will be better than using the provisional phonemic system in the Roman Alphabet, which would be an unstable scheme inductively made of restricted data.

2.1 Consonants

Onset consonants in Khengkha can be divided into three series: plain, aspirated, and voiced. In wordinitial position, aspirated consonants are less common than those plain or voiced. The full inventory of Khengkha consonants that surface as initials of main syllables can be seen below.

Table 2 Khengkha Consonants

Stops			Affricates		
Plain	p-	t-	k-	ts-	tʃ- ~ tʃ̥-
Aspirated	p ^h -	t ^h -	k ^h -	ts ^h -	tʃ ^h - ~ tʃ ^h ̥-
Voiced	b-	d-	g-	dz-	dʒ- ~ dʒ̥-
Nasals	m-	n-	ŋ-		(ɲ-)
Approximant			Fricatives		
Voiceless				s-	ʃ- ~ ʃ̥- h-
Voiced				z-	ʒ- ~ ʒ̥-
	w-	l-		ɹ- ~ r-	j- ʔ-

2.2 Vowels

Khengkha has only one low vowel /a/, which is distinctive from high vowels such as /i/, /u/, /e/, and /o/, contrastively. They construct a 5-vowel system similar to written Tibetan. The low vowel /a/ appears slightly back as [ɑ] or [ʌ] and sometimes [a] in diphthongs or with codas. However, so far, I am not sure these varieties in phonetic realization arise due to an areal feature, personal tendency, or caused by any other phonetic environment. Until we grasp the principal factor for the variety of timbre, the phonetic description should be adopted. Furthermore, sometimes, the central rounded vowel [ø] appears, however, it may not be an independent vowel phoneme in Khengkha, since it is encountered in borrowed or common words from Dzongkha.

Table 3 Khengkha Vowels

i		u	i → [i] ~ [ɪ]
e	(ø)	o	e → [e] ~ [ɛ]
	a		a → [a] ~ [ʌ] ~ [ɑ]

2.3 Diphthongs and Codas

Only one type of diphthongs, [ai], can be found in Khengkha. Coda consonants consist of a small subset of the initial consonants above, which are very restricted, as shown in Table 4.

Table 4 The Diphthongs and Codas

Diphthong	ai						
Coda	-p	-t	-k	-ʔ	-r	(-l)	(-s)
	-m	-n	-ŋ				

3. Dialects

van Driem (2001: 908–911) considered Khengkha a dialect of Bumthap. While it is true that they share not a few common features and possibly cognate words, the Bhutanese people who speak both Bumthap and Khengkha generally recognize these as two different languages. This report focuses on the description of the Khengkha language, referring to the dialectal variation among its subdialects.

I collected Khengkha-related data from three different districts: Trongsa city, Trong village (about 40 km away from Zhemgang city), and Wamling village (on the bank of Bumthang Chhu in eastern Zhemgang Dzong). Among these three areas, the dialectal differences are not so obvious. Nevertheless, I am clearly aware of the dialectal variation in their pronoun system. Language-related data with a [Trs] note indicate expressions used in the Trongsa dialect, while the [Wml] note indicates expressions used in the Wamling dialect.

Table 5 Personal Pronouns in Nominative

1 sg.	I	1 pl.	we
	ŋa ²¹ [Trs/Wml]		ŋe ²² la ⁴² [Trs/Wml]
			ŋe ²¹ = ga ^{m22} ho ⁴⁴ [Trs]
			ŋe ²¹ = ga ^{m22} bo ²² [Wml]
2 sg.	you	2 pl.	you
	we ²¹ ~ we ^{ʔ21} ~ we ^{t21} [Trs/Wml]		we ^{ʔ23} = ga ^{m22} ho ²² [Trs]
	wi ⁴⁴ tɕi ⁴² [Trs/Wml]		we ^{ʔ23} = ga ^{m22} bo ²² [Wml]
3 sg.	s/he	3 pl.	they
	gon ²¹ [Trs/Wml]		gon ²¹ = ga ^{m22} ho ²² [Trs]
	bo ²² ‘he’ [Trs]		gon ²¹ = ga ^{m22} bo ²² [Wml]
	bo ²² me ⁴² ‘she’ [Trs]		

Table 6 Personal Pronouns in Genitive

1 sg.	my ŋɑ ²¹ = hai ⁴⁴ ~ ŋai ²² = hai ⁴² [Trs] ŋɑ ²¹ = k ^h ai ⁴⁴ [Wml]		
2 sg.	your weʔ ²¹ tɕi ⁴⁴ = hai ⁴⁴ [Trs] weʔ ²¹ tɕ ^h i ⁴⁴ = k ^h ai ⁴⁴ [Wml]	2 pl.	your weʔ ²³ gam ²² ho ⁴⁴ = hai ²² [Trs] n̄in ²¹ tɕ ^h i ⁴⁴ = hai ²² [Trs] n̄in ²¹ tɕ ^h i ⁴⁴ = k ^h ai ⁴⁴ [Wml]
3 sg.	his/her gon ²¹ = k ^h ai ⁴⁴ [Wml] bo ²³ = hai ²² 'his' [Trs] bo ²² mɛ ⁴⁴ = hai ²² 'her' [Trs]	3 pl.	their gon ²¹ gam ²² bo ²² = k ^h ai ⁴⁴ [Wml] bo ²³ gam ²² ho ⁴⁴ = hai ²² m [Trs] bo ²² mɛ ⁴⁴ gam ²² ho ⁴⁴ = hai ²² fm [Trs]

The variations [=gam²²ho⁴⁴] (Trs) vs. [=gam²²bo²²] (Wml), and [=hai²²] (Trs) vs. [=k^hai²²] (Wml) are obvious in the pronoun system. It must have caused [b-] > [h-] in pl. suffix; [kh-] > [h-] in genitive suffix in Trongsa dialect.

Table 7 Demonstratives

Proximal			
sg.	this oʔ ⁴⁴ kai ⁴⁴ [Trs/Wml]	pl.	these oʔ ⁴⁴ kai ⁴⁴ = gam ²² bo ²² [Wml] oʔ ⁴⁴ kai ⁴⁴ = gam ²² ho ⁴⁴ [Trs]
Distal			
sg.	that ɑ ²¹ t ^h u ⁴⁴ kai ⁴⁴ [Wml] u ²² t ^h i ⁴⁴ [~ti ⁴⁴] hai ²² [Trs]	pl.	those ɑ ²¹ t ^h u ⁴⁴ kai ⁴⁴ = gam ²² bo ²² [Wml] u ²² t ^h i ⁴⁴ [~ti ⁴⁴] hai ²² = gam ²² ho ⁴⁴ [Trs]

Table 8 Demonstratives in the Attributive

Proximal			
sg.	this + n. oʔ ⁴⁴ kai ⁴⁴ + [n.] [Trs/Wml]	pl.	these + n. oʔ ⁴⁴ kai ⁴⁴ + [n.] = gam ²² bo ²² [Wml]
Distal			
sg.	that + n. ɑ ²¹ t ^h u ⁴⁴ kai ⁴⁴ + [n.] [Wml] u ²² ti ⁴⁴ + [n.] [Trs]	pl.	those + n. ɑ ²¹ t ^h u ⁴⁴ kai ⁴⁴ + [n.] = gam ²² bo ²² [Wml] u ²² t ^h i ⁴⁴ + [n.] = gam ²² ho ⁴⁴ [Trs] u ²² t ^h ai ⁴² + [n.] = gam ²² ho ⁴⁴ [Trs]

The example below demonstrates an attributive construction of demonstratives. When the demonstratives combine with a noun to specify something, the suffix /hai/ attached in distal demonstratives is deleted in the Trongsa dialect.

this flower	these flowers
oʔ ⁴⁴ kai ⁴⁴ mē ²² to ⁴² [Trs]	oʔ ⁴⁴ kai ⁴⁴ mē ²² to ⁴² gΔm ²² ho ²² [Trs]
that flower	those flowers
u ²² ti ⁴⁴ mē ²² to ⁴² [Trs]	u ²² t ^h i [~ti] ⁴⁴ mē ²² to ⁴² gΔm ²² ho ⁴⁴ [Trs]

4. Preservation of Old Constituents

The East Bodish languages, which comprise the Dakpa and Bumthap groups, are considered more conservative in some respects than Old Tibetan (represented in the written Tibetan). Let us examine some core words to identify the Tibetan language pointed out by Nishi (1986), comparing it with Written Tibetan and Proto-Tibeto-Burman.

Table 9 Tibetan Core Words and Khengkha

English	WrT	Dzongkha	Khengkha	PTB
you	<i>kyhod</i>	/che ~ cho/	[wε ²¹ ~ wεt ⁴⁴]	*na(ŋ) [STC#407]
blood	<i>khrag</i>	/trha/	[ka ⁴²]	*s-hwiy [STC#222]
hair	<i>skra</i>	/ca/	[kra ⁴²]	*s-kra [STC#115]
foot	<i>rkang pa</i>	/ka(ng)m/	[ta ⁴⁴ wa ⁴⁴ ; dok ²² pa ²²]	*kriy [STC#038]
water	<i>chu</i>	/chu/	[k ^h wε ⁴³]	*twiy [STC#168], *m-tsril [STC p.30]
seven	<i>bdun</i>	/dün/	[ŋiʔ ⁴³ ~ ŋit ⁴⁴]	*s-nis [STC#005]
horse	<i>rta</i>	/ta/	[ta ⁴⁴]	*s-raŋ ~ *m-raŋ [STC#145]

All the Dzongkha words correspond to WrT, making it no doubt that Dzongkha belongs to Tibetan dialects. The ‘hair’ in Dzongkha /ca/ can be spelled out as *skya* in Tibetan script; a reasonable sound change as /ca/ < *kya < *skya < *skra* (WrT) might be traced. However, it is difficult to explain if the Khengkha words are derived from Dzongkha or WrT except for ‘blood’ and ‘horse’. The Khengkha words for ‘you’, ‘blood’, ‘foot’, and ‘water’ do not correspond to WrT nor PTB. The last word, ‘horse’ may be a borrowing from Dzongkha as it is a social/cultural word in Bhutan (see 6.1 Nouns).

It is noteworthy that the numeral ‘seven’ in Khengkha is very close to PTB; it may preserve the archaic form, older than WrT. Now, let us see the Dzongkha basic numerals before examining those of Khengkha.

Table 10 Dzongkha Basic Numerals

Number	1	2	3	4	5
WrT	<i>gcig</i>	<i>gnyis</i>	<i>gsum</i>	<i>bzhi</i>	<i>lnga</i>
Dzongkha	/ci/	/nyi/	/sum/	/zhi/	/nga/
Number	6	7	8	9	10
WrT	<i>drug</i>	<i>bdun</i>	<i>brgyad</i>	<i>dgu</i>	<i>bcu tham pa</i>
Dzongkha	/dru/	/dün/	/gää/	/gu/	/cutam/

It is obvious that Dzongkha numerals well-orderly correspond to written Tibetan. Furthermore, we should pay attention to ‘seven’ /dün/ (< WrT. *bdun*) in Dzongkha, which is one of the core words in Tibetan.

The Khenkha basic numerals are quite different from Dzongkha. Khengkha cannot be considered a dialect of Dzongkha, nor does it belong to Tibetan dialects.

Table 11 Khengkha Basic Numerals

Number	1	2	3	4	5
WrT	<i>gcig</i>	<i>gnyis</i>	<i>gsum</i>	<i>bzhi</i>	<i>lnga</i>
Khengkha	[t ^h eʔ ⁴³]	[zoŋ ²¹]	[sum ⁴³]	[ble ²²]	[ja: ²³ ŋa ²²]
PTB	*t(y)ik	*g-nis	*g-sum	*b-liy	*l-ŋa ~ *b- ŋa
Number	6	7	8	9	10
WrT	<i>drug</i>	<i>bdun</i>	<i>brgyad</i>	<i>dgu</i>	<i>bcu tham pa</i>
Khengkha	[groʔ ²¹]	[ŋiʔ ⁴³]	[dʒat ²²]	[do ²² go ²¹]	[tɕ ^h e ⁴³]
PTB	*d-ruk	*s-nis	*b-ryat	*d-kuw	*gip

*Khengkha data in this table is recorded in Trongsa pronunciation.

The Khengkha numeral ‘two’ [zoŋ²¹] might be derived from PTB *zruŋ ‘pair’ (cognate to Chinese 雙). Khengkha appears to be an archaic language in which features older than WrT are preserved in numerals.

5. Numerals

As Mazaudon (1985) reported, the Dzongkha numeral system is compounded of a decimal and vigesimal system, and in addition to them, another numeral series is used for dates: 21 to 30. The Khengkha numeral system is a single vigesimal system, rather simple compared to Dzongkha's. In addition, the Dzongkha vigesimal system is somewhat difficult to understand as it grammatically uses 'half' and 'quarter' to calculate through division and subtraction, such as /khe pche da sum/ 'one half less than three (-score)' for 50 in Dzongkha, while Khengkha grammatically uses only multiplication and addition to calculate, such as [k^hai⁴⁴zoŋ²² = ne⁴⁴ tɕ^he²²] 'two-score and ten'.

All the numerals in this chapter were provided by a language consultant who speaks the Trongsa dialect, and the pronunciation recorded here is based on her idiolect.

5.1 Cardinal Numbers: 0 to 30

No.	Dzongkha	Written Tibetan	Khengkha
0	/lekor/	< <i>klad kor</i>	le ⁴⁴ kor ⁴³ < Dzk
1	/ci/	< <i>gcig</i>	t ^h eɽ ⁴³
2	/'nyi/	< <i>gnyis</i>	zoŋ ²¹
3	/sum/	< <i>gsum</i>	sum ⁴³
4	/zhi/	< <i>bzhi</i>	ble ²²
5	/'nga/	< <i>lnga</i>	ja: ²³ ŋa ²²
6	/dru/	< <i>drug</i>	groɽ ²¹
7	/dün/	< <i>bdun</i>	niɽ ⁴³
8	/gää/	< <i>brgyad</i>	dʒat ²²
9	/gu/	< <i>dgu</i>	do ²² go ²¹
10	/cutham/	< <i>bcu tham pa</i>	tɕ ^h e ⁴³
11	/cuci/	< <i>bcu gcig</i>	tɕ ^h o ⁴⁴ re ²¹
12	/cu-nyi/	< <i>bcu gnyis</i>	tɕ ^h o ⁴⁴ zoŋ ²¹
13	/cusum/	< <i>bcu gsum</i>	tɕ ^h o ⁴⁴ sum ⁴³
14	/cuzhi/	< <i>bcu bzhi</i>	tɕ ^h e ⁴⁴ ble ⁴²

15	/ce'nga/	< <i>bcu lga</i>	t ^h e ⁴⁴ ai ⁴⁴ ɲΛ ⁴⁴
16	/cudru/	< <i>bcu drug</i>	t ^h e ⁴⁴ groʔ ⁴²
17	/cupdün/	< <i>bcu bdun</i>	t ^h e ⁴⁴ er ⁴⁴ ɲiʔ ⁴²
18	/copgää/	< <i>bcu bryad</i>	t ^h e ⁴⁴ er ⁴⁴ dzΛt ⁴⁴
19	/cugu/	< <i>bcu dgu</i>	t ^h e ⁴⁴ do ²² go ⁴⁴
20	/nyishu/	< <i>nyi shu (tham pa)</i>	k ^h ai ⁴⁴ t ^h e ⁴³ 20 (×) 1
21	/(nyishu) tsaci/	< <i>nyi shu tsa gcig</i>	k ^h ai ⁴⁴ de ²² = ne ²² t ^h e ⁴⁴ [ne ~ ni] 'plus/and'
22	/(nyishu) tsa-nyi/	< <i>nyi shu tsa gnyis</i>	k ^h ai ⁴⁴ de ²² = ne ²² zoŋ ²¹
23	/(nyishu) tsasum/	< <i>nyi shu tsa gsum</i>	k ^h ai ⁴⁴ de ²² = ne ²² sum ⁴³
24	/(nyishu) tsazhi/	< <i>nyi shu tsa bzhi</i>	k ^h ai ⁴⁴ de ²² = ne ²² ble ⁴²
25	/(nyishu) tsa-nga/	< <i>nyi shu tsa lnga</i>	k ^h ai ⁴⁴ de ²² = ne ²² jΛ ²² ɲΛ ⁴⁴
26	/(nyishu) tsadru/	< <i>nyi shu tsa drug</i>	k ^h ai ⁴⁴ de ²² = ne ²² groʔ ⁴²
27	/(nyishu) tsadün/	< <i>nyi shu tsa bdun</i>	k ^h ai ⁴⁴ de ²² = ne ²² ɲiʔ ⁴²
28	/(nyishu) tsagää/	< <i>nyi shu tsa bryad</i>	k ^h ai ⁴⁴ de ²² = ne ²² dzΛt ⁴⁴
29	/(nyishu) tsagu/	< <i>nyi shu tsa dgu</i>	k ^h ai ⁴⁴ de ²² = ne ²² do ²² go ⁴⁴
30	/sumcu/	< <i>gsum bcu (tham pa)</i>	k ^h ai ⁴⁴ t ^h e ⁴⁴ = ne ²² t ^h e ⁴⁴ 20 (×) 1 plus/and 10

5.2 Numeral System: 20 to 30

The Dzongkha numeral system uses two series for counting: the decimal system and vigesimal system over 20; Khengkha only uses the vigesimal system.

The first line for every numeral from 20 to 30 shows the Dzongkha numeral system: decimal system, date, and vigesimal system contrastively in phonemic description with //, and on the second lines, the corresponding Khengkha expressions are recorded in phonetic notation without //.

	decimal system	date	vigesimal system	
20	/nyishu/	= /nyishu/ k ^h ai ⁴⁴ t ^h eŋ ⁴³ ; k ^h ai ⁴⁴ de ⁴³	/khe ci/ [khe = 20] k ^h ai ⁴⁴ t ^h eŋ ⁴³	Dzongkha Khengkha
21	/(nyishu) tsa-ci/	/nyerci/ n ^{er} 22 t ^h eŋ ⁴⁴	/khe ci da ci/ (=20+1) k ^h ai ⁴⁴ de ²² = ne ²² t ^h eŋ ⁴⁴	
22	/(nyishu) tsa-nyi/	/nyernyi/ n ^{er} 22 zoŋ ²¹	/khe ci (da) 'nyi/ k ^h ai ⁴⁴ de ²² = ne ²² zoŋ ²¹	
23	/(nyishu) tsa-sum/	/nyersum/ n ^{er} 22 sum ⁴⁴	/khe ci (da) sum/ k ^h ai ⁴⁴ de ²² = ne ²² sum ⁴⁴	
24	/(nyishu) tsa-zhi/	/nyerzhi/ n ^{er} 22 ble ⁴⁴	/khe ci (da) zhi/ n ^{er} 22 ble ⁴² k ^h ai ⁴⁴ de ²² = ne ²² ble ⁴²	
25	/(nyishu) tsa-nga/	/nyer-nga/ n ^{er} 22 j ^Λ 22ŋ ^Λ 44	/khe ci (da) 'nga/ k ^h ai ⁴⁴ de ²² = j ^Λ 22ŋ ^Λ 44	
26	/(nyishu) tsa-dru/	/nyerdru/ n ^{er} 22 groŋ ⁴⁴	/khe ci (da) dru/ k ^h ai ⁴⁴ de ²² = groŋ ⁴²	
27	/(nyishu) tsa-dün/	/nyerdün/ n ^{er} 22 n ⁱ ŋ ⁴⁴	/khe ci (da) dün/ k ^h ai ⁴⁴ de ²² = n ⁱ ŋ ⁴⁴	
28	/(nyishu) tsa-gää/	/nyergää/ n ^{er} 22 dz ^Λ t ⁴⁴	/khe ci (da) gää/ k ^h ai ⁴⁴ de ²² = dz ^Λ t ⁴⁴	
29	/(nyishu) tsa-gu/	/nyergu/ n ^{er} 22 do ²² go ⁴⁴	/khe ci (da) gu/ k ^h ai ⁴⁴ de ²² = do ²² go ⁴⁴	

30	/sumcu/ = /sumcu/	/khe pche da 'nyi/ one half less than two(-score)
	$n\lambda m^{22} g\Delta\eta^{42}$	$k^h ai^{44} de^{22} = ne^{22} t\check{c}^h e^{44}$ one score and ten

5.3 Numeral System: over 30

	decimal system	vigesimal system
31	/(sumcu) so-ci/	/khe ci da cuci/ (=20×1+11) $k^h ar^{44} de^{22} = ne^{22} t\check{c}^h o^{44} re^{21}$
32	/(sumcu) so-nyi/	/khe ci (da) cu-nyi/ (=20×1+12) $k^h ai^{44} de^{22} = ne^{22} t\check{c}^h o^{44} zo\eta^{22}$
33	/(sumcu) so-sum/	/khe ci (da) cusum/ (=20×1+13) $k^h ai^{44} de^{22} = ne^{22} t\check{c}^h o^{44} sum^{42}$
34	/(sumcu) so-zhi/	/khe ci (da) cuzhi/ (=20×1+14) $k^h ai^{44} de^{22} = ne^{22} t\check{c}^h e^{44} ble^{42}$
35	/(sumcu) so-nga/	/khe ko da 'nyi/ one fourth less than two(-score) $k^h ai^{44} de^{22} = ne^{22} t\check{c}^h ai^{44} \eta\Lambda^{42}$ one score and fifteen
36	/(sumcu) so-dru/	/khe ci (da) cudru/ (=20×1+16) $k^h ai^{44} de^{22} = ne^{22} t\check{c}^h e^{44} gro\eta^{42}$
37	/(sumcu) so-dün/	/khe ci (da) cupdün/ (=20×1+17) $k^h ai^{44} de^{22} = ne^{22} t\check{c}^h er^{44} \eta i\eta^{42}$
38	/(sumcu) so-gää/	/khe ci (da) copgää/ (=20×1+18) $k^h ai^{44} de^{22} = ne^{22} t\check{c}^h er^{44} dz\Delta t^{22}$

- 39 /((sumcu) so-gu/ /khe ci (da) cugu/ (=20×1+19)
 $k^h ai^{44} de^{22} = ne^{22} t\phi^h e^{44} do^{22} go^{22}$
- 40 /zhipcu/ /khe 'nyi/ (20×2)
 $k^h ai^{44} zo\eta^{22}$
- 41 /(zhipcu) zhe-ci/ /khe 'nyi da ci/ (=20×2+1)
 $k^h ai^{44} zo\eta^{44} = ne^{44} t^h e\eta^{22}$
- 42 /(zhipcu) zhe-nyi/ /khe 'nyi da 'nyi/ (=20×2+2)
 $k^h ai^{44} zo\eta^{44} = ne^{22} zo\eta^{21}$
- 43 /(zhipcu) zhe-sum/ /khe 'nyi da sum/ (=20×2+3)
 $k^h ai^{44} zo\eta^{44} = ne^{22} sum^{44}$
- 44 /(zhipcu) zhe-zhi/ /khe 'nyi da zhi/ (=20×2+4)
 $k^h ai^{44} zo\eta^{44} = ne^{22} ble^{21}$
- 45 /(zhipcu) zhe-nga/ /khe 'nyi da 'nga/ (=20×2+5)
 $k^h ai^{44} zo\eta^{44} = ne^{22} ja^{22} \eta\Delta^{44}$
- 46 /(zhipcu) zhe-dru/ /khe 'nyi da dru/ (=20×2+6)
 $k^h ai^{44} zo\eta^{44} = ne^{22} gro\eta^{44}$
- 47 /(zhipcu) zhe-dün/ /khe 'nyi da dün/ (=20×2+7)
 $k^h ai^{44} zo\eta^{44} = ne^{22} \eta i\eta^{42}$
- 48 /(zhipcu) zhe-gää/ /khe 'nyi da gää/ (=20×2+8)
 $k^h ai^{44} zo\eta^{44} = ne^{22} dz\Delta t^{22}$
- 49 /(zhipcu) zhe-gu/ /khe 'nyi da gu/ (=20×2+9)
 $k^h ai^{44} zo\eta^{44} = ne^{22} do^{22} go^{44}$

- 50 /'ngapcu/
/khe pche da sum/
one half less than three(-score)
 $k^h ai^{44} z\text{on}^{22} = ne^{44} t\text{c}^h e^{22}$ (=20×2+10)
two score and ten
- 51 /('ngapcu) nga-ci/
/khe 'nyi da cuci/ (=20×2+11)
 $k^h ar^{44} z\text{on}^{22} = ne^{44} t\text{c}^h o^{44} re^{21}$
- 52 /('ngapcu) nga-nyii/
/khe 'nyi da cu-nyi/ (=20×2+12)
 $k^h ar^{44} z\text{on}^{22} = ne^{44} t\text{c}^h o^{44} z\text{on}^{22}$
- 53 /('ngapcu) nga-sum/
/khe 'nyi da cusum/ (=20×2+13)
 $k^h ar^{44} z\text{on}^{22} = ne^{44} t\text{c}^h o^{44} sum^{42}$
- 54 /('ngapcu) nga-zhi/
/khe 'nyi da cuzhi/ (=20×2+14)
 $k^h ar^{44} z\text{on}^{22} = ne^{44} t\text{c}^h e^{44} ble^{42}$
- 55 /('ngapcu) nga-nga/
/khe ko da sum/
one fourth less than three(-score)
 $k^h ar^{44} z\text{on}^{22} = ne^{44} t\text{c}^h ai^{44} \eta\Lambda^{42}$
two score and fifteen (=20×2+15)
- 56 /('ngapcu) nga-dru/
/khe 'nyi da cudru/ (=20×2+16)
 $k^h ar^{44} z\text{on}^{22} = ne^{44} t\text{c}^h e^{44} gro\gamma^{42}$
- 57 /('ngapcu) nga-dün/
/khe 'nyi da cupdün/ (=20×2+17)
 $k^h ar^{44} z\text{on}^{22} = ne^{44} t\text{c}^h er^{44} \eta i\gamma^{42}$
- 58 /('ngapcu) nga-gää/
/khe 'nyi da cupgää/ (=20×2+18)
 $k^h ar^{44} z\text{on}^{22} = ne^{44} t\text{c}^h er^{44} dz\Lambda t^{22}$
- 59 /('ngapcu) nga-gu/
/khe 'nyi da cugu/ (=20×2+19)
 $k^h ar^{44} z\text{on}^{22} = ne^{44} t\text{c}^h e^{44} do^{22} go^{44}$

60	/drukcu/	/khe sum/ (=20×3) k ^h ai ⁴⁴ sum ⁴²
61	/(drukcu) re-ci/	/khe sum da ci/ (=20×3+1) k ^h ai ⁴⁴ sum ⁴² = ne ²² t ^h eʔ ⁴⁴
62	/(drukcu) re-nyii/	/khe sum da 'nyi/ (=20×3+2) k ^h ar ⁴⁴ sum ⁴⁴ = ne ²² zoŋ ²²
63	/(drukcu) re-sum/	/khe sum da sum/ (=20×3+3) k ^h ar ⁴⁴ sum ⁴⁴ = ne ²² sum ⁴⁴
64	/(drukcu) re-zhi/	/khe sum da zhi/ (=20×3+4) k ^h ar ⁴⁴ sum ⁴⁴ = ne ²² ble ⁴²
65	/(drukcu) re-nga/	/khe sum da 'nga/ (=20×3+5) k ^h ar ⁴⁴ sum ⁴⁴ = ne ²² ja ²² ŋa ²²
66	/(drukcu) re-dru/	/khe sum da dru/ (=20×3+6) k ^h ar ⁴⁴ sum ⁴⁴ = ne ²² groʔ ⁴⁴
67	/(drukcu) re-dün/	/khe sum da dün/ (=20×3+7) k ^h ar ⁴⁴ sum ⁴⁴ = ne ²² ŋiʔ ⁴⁴
68	/(drukcu) re-gää/	/khe sum da gää/ (=20×3+8) k ^h ar ⁴⁴ sum ⁴⁴ = ne ²² dzɛt ²²
69	/(drukcu) re-gu/	/khe 'nyi da gu/ (=20×3+9) k ^h ar ⁴⁴ sum ⁴⁴ = ne ²² do ²² go ²²

- 70 /düncu/ /khe pche da zhi/
half less than four(-score)
 $k^h ai^{44} sum^{42} = ne^{22} t\phi^h e^{44}$
three-score and ten (=20×3+10)
- 71 /(düncu) dön-ci/ /khe sum da cuci/ (=20×3+11)
 $k^h ai^{44} sum^{44} = ne^{22} t\phi^h o^{44} re^{21}$
- 72 /(düncu) dön 'nyii/ /khe sum da cu-nyi/ (=20×3+12)
 $k^h ai^{44} sum^{44} = ne^{22} t\phi^h o^{44} zo\eta^{22}$
- 73 /(düncu) dön sum/ /khe sum da cusum/ (=20×3+13)
 $k^h ai^{44} sum^{44} = ne^{22} t\phi^h o^{44} sum^{44}$
- 74 /(düncu) dön zhi/ /khe sum da cuzhi/ (=20×3+14)
 $k^h ar^{44} sum^{44} = ne^{22} t\phi^h o^{44} ble^{42}$
- 75 /(düncu) dön 'nga/ /khe ko da zhi/
one fourth less than four(-score)
 $k^h ar^{44} sum^{44} = ne^{22} t\phi^h ai^{44} \eta\Lambda^{42}$
three-score and fifteen (=20×3+15)
- 76 /(düncu) dön druu/ /khe sum da cudru/ (=20×3+16)
 $k^h ar^{44} sum^{44} = ne^{22} t\phi^h e^{44} gro\eta^{42}$
- 77 /(düncu) dön dön/ /khe sum da cupdün/ (=20×3+17)
 $k^h ar^{44} sum^{44} = ne^{22} t\phi^h er^{44} \eta i\eta^{42}$
- 78 /(düncu) dön gää/ /khe sum da cupgää/ (=20×3+18)
 $k^h ar^{44} sum^{44} = ne^{22} t\phi^h er^{44} dz\Lambda t^{22}$
- 79 /(düncu) dön gu/ /khe sum da cugu/ (=20×3+19)
 $k^h ar^{44} sum^{44} = ne^{22} t\phi^h e^{44} do^{22} go^{44}$

80	/gäpcu/	/khe zhi/ (=20×4) k ^h ai ⁴⁴ ble ⁴²
81	/(gäpcu) jaa ci/	/khe zhi da ci/ (=20×4+1) k ^h ai ⁴⁴ ble ⁴² = ne ²² t ^h eʔ ⁴⁴
82	/(gäpcu) jaa 'nyii/	/khe zhi da 'nyi/ (=20×4+2) k ^h ai ⁴⁴ ble ⁴² = ne ²² zoŋ ²²
83	/(gäpcu) jaa sum/	/khe zhi da sum/ (=20×4+3) k ^h ai ⁴⁴ ble ⁴² = ne ²² sum ⁴⁴
84	/(gäpcu) jaa zhi/	/khe zhi da zhi/ (=20×4+4) k ^h ai ⁴⁴ ble ⁴² = ne ²² ble ²²
85	/(gäpcu) jaa 'nga/	/khe zhi da 'nga/ (=20×4+5) k ^h ai ⁴⁴ ble ²² = ne ²² j ^Λ 22ŋ ^Λ 22
86	/(gäpcu) jaa druu/	/khe zhi da dru/ (=20×4+6) k ^h ai ⁴⁴ ble ²² = ne ²² groʔ ⁴⁴
87	/(gäpcu) jaa dün/	/khe zhi da dün/ (=20×4+7) k ^h ai ⁴⁴ ble ²² = ne ²² ŋiʔ ⁴²
88	/(gäpcu) jaa gää/	/khe zhi da gää/ (=20×4+8) k ^h ai ⁴⁴ ble ²² = ne ²² dz ^Λ t ²²
89	/(gäpcu) jaa gu/	/khe zhi da gu/ (=20×4+9) k ^h ai ⁴⁴ ble ²² = ne ²² do ²² go ²²

- 90 /gupcu/
/khe pche da 'nga/
half less than five(-score)
k^hai⁴⁴ ble⁴⁴ = ne²² tɕ^he⁴²
four-score and ten (=20×4+10)
- 91 /(gupcu) goci/
/khe zhi da cuci/ (=20×4+11)
k^hai⁴⁴ ble⁴⁴ = ne²² tɕ^ho²²re²¹
- 92 /(gupcu) go 'nyii/
/khe zhi da cu'nyi/ (=20×4+12)
k^hai⁴⁴ ble⁴⁴ = ne²² tɕ^ho⁴⁴ zoŋ²²
- 93 /(gupcu) go sum/
/khe zhi da cusum/ (=20×4+13)
k^hai⁴⁴ ble⁴⁴ = ne²² tɕ^ho⁴⁴ sum⁴²
- 94 /(gupcu) go zhi/
/khe zhi da cuzhi/ (=20×4+14)
k^hai⁴⁴ ble⁴⁴ = ne²² tɕ^ho⁴⁴ ble⁴²
- 95 /(gupcu) go 'nga/
/khe ko da 'nga/
one fourth less than five(-score)
k^hai⁴⁴ ble⁴⁴ = ne²² tɕ^hai⁴⁴ ŋ⁴²
four-score and fifteen (=20×4+15)
- 96 /(gupcu) go druu/
/khe zhi da cudru/ (=20×4+16)
k^hai⁴⁴ ble⁴⁴ = ne²² tɕ^he⁴⁴ groʔ⁴²
- 97 /(gupcu) go dūn/
/khe zhi da cupdūn/ (=20×4+17)
k^hai⁴⁴ ble⁴⁴ = ne²² tɕ^her⁴⁴ ŋiʔ⁴²
- 98 /(gupcu) go gää/
/khe zhi da cupgää/ (=20×4+18)
k^hai⁴⁴ ble⁴⁴ = ne²² tɕ^her⁴⁴ dʒ²²ɬ²²
- 99 /(gupcu) go gu/
/khe zhi da cugu/ (=20×4+19)
k^hai⁴⁴ ble⁴⁴ = ne²² tɕ^he⁴⁴ do²²go²²

100	/jatham(pa)/; /cikja/	/khe 'nga/ (=20×5) k ^h ai ⁴⁴ j ²² η ³³
200	/nyija/	/khe cutham/ (=20×10) k ^h ai ²⁴ t ^ç e ⁴²
300	/sumja/	/khe ce'nga/ (=20×15) k ^h ai ²² t ^ç e ²² η ⁴²
400	/zhipja/	/'nyishu ci/ (=400×1) n ⁱ ²² çu ⁴⁴ t ^h ek ²²
500	/'ngapja/	/'nyishu ci da khä'nga/ (=400×1+20×5) twentyscore and five(-score) n ⁱ ²² çu ⁴⁴ t ^h ek ²² = ne ²² j ²² η ⁴²
600	/drukja/	/'nyishu pche da 'nyi/ half less than fortyscore n ⁱ ²² çu ⁴⁴ t ^h ek ²² = ne ⁴² k ^h ai ²⁴ t ^ç e ⁴²
700	/dünja/	/'nyishu ko da 'nyi/ fourth less than fortyscore n ⁱ ²² çu ⁴⁴ t ^h ek ²² = ne ⁴² k ^h ai ²⁴ t ^ç e ⁴⁴ η ⁴²
800	/gäpkja/	/'nyishu 'nyi/ (=400×2) fortyscore n ⁱ ²² çu ⁴⁴ zon ²¹
900	/gupja/	/'nyishu 'nyi da khe 'nga/ (=400×2+20×5) n ⁱ ²² çu ⁴⁴ zon ⁴⁴ = ne ²² k ^h ai ²⁴ j ²² η ⁴⁴
1000	/tongthra ci/ /ciktong/	/nyishu pche da sum/ (=400×2.5) half less than three twentyscore n ⁱ ²² çu ⁴⁴ zon ⁴⁴ = ne ²² k ^h ai ²⁴ t ^ç e ⁴⁴

6. Fundamental Words for Daily Life

This section presents the collected fundamental words in Khengkha, used for daily life. Khengkha has many words in common with Dzongkha, however, it is difficult to distinguish which are borrowings or cognates. Among all these words, generally speaking, cultural/social words of nouns such as ‘teacher’, ‘student’, ‘hospital’, and ‘shop’ are possible borrowings from Dzongkha. Furthermore, direction words, such as [l^ho⁴²] ‘south’ and [(b) dʒaŋ²¹] ‘north’ must be borrowings since their initial consonants are outside the list of Khengkha initials. Apart from those from daily life, I also collected 200 basic words based on the Matisoff 200-word list for comparative study, which are attached at the end of this report.

6.1 Nouns

English	Dzongkha	Khengkha
father/dad	/ 'apa / ; / yap / [H]	ʔΛ ⁴⁴ pΛ ²²
husband	/ 'map / ; / phoja /	(ŋai ²⁴) p ^h o ⁴⁴ dʒΛ ²²
male	/ pho / ; / phogee / ; / phoja /	p ^h o ²² dʒΛ ⁴⁴ ; bo ²⁴
mother/mom	/ 'ama / ; / yum / [H]	ʔΛ ⁴⁴ mΛ ²²
wife	/ 'amtsu / ; / 'nem / ; / 'netsha /	(ŋai ²⁴) mo ⁴⁴ dʒΛ ²²
female	/ 'amtsu /	mo ²² dʒΛ ⁴⁴ ; bo ²² mε ⁴²
	[bo ²² mε ⁴²] is not only used as a reference term, but also used as an address term to call a (young) lady. And the other address term [mε ⁴⁴ m ²²] is used to call a not young lady.	
child	/ 'alu /	ʔo ⁴⁴ lo ²²
son	/ bu / ; / sä / [H]	bo ⁴⁴ sq ²²
daughter	/ bum / ; / seem / [H]	bo ²² mε ⁴²
teacher	/ 'lopön /	lo ⁴⁴ pön ⁴²
	[lo ⁴⁴ pön ⁴²] is also used as an address term to call a male person.	
student	/ 'lopthru /	lop ⁴⁴ tʂ ^h u ⁴² ~ lop ⁴⁴ tʂu ⁴²
	There is no khengkha word for ‘student’, so they use the loan word from Dzongkha.	
monk	/ gelong /	ge ²² loŋ ⁴²
nun	/ 'ani(m) /	a ²² mi ⁴⁴ mo ²²

friend	/ charo / ; / totsha(ng) /	tʃ ^h Λ ²² ro ⁴²
farmer	/ minap /	mi ²² nΛ ²² p ^h o ⁴²
merchant	/ tshongpön /	ts ^h oŋ ⁴⁴ pøn ⁴²
Bhutanese	/ drup /	dzuk ²² pΛ ⁴³
Indian	/ jagar /	ɟʒΛ ²² k ^h Λ ⁴² pΛ ²²
Tibetan	/ böp /	bø ²³ pΛ ⁴⁴
temple	/ lhakhang /	l ⁴⁴ k ^h Λŋ ⁴⁴
hospital	/ 'mämkhang /	mɛ̃ ⁴⁴ k ^h Λŋ ⁴⁴
school	/ 'lopdra /	lop ⁴⁴ dzΛ ⁴² < Dzk
shop	/ tshongkhang /	ts ^h oŋ ⁴⁴ k ^h Λŋ ⁴⁴
tea house	/ jakhang /	tʃ ^h Λŋ ⁴⁴ k ^h Λŋ ⁴⁴ 'bar'
	There is no 'tea house' in the central Bhutan.	
house	/ chim /	mai ⁴²
river	/ chu /	k ^h wi ⁴⁴ li ⁴⁴ gaŋ ²¹
juncture	/ chuzom /	k ^h we ⁴⁴ zom ²² sΛ ⁴²
bridge	/ zam /	zΛm ²¹
road	/ lam /	jam ²¹
mountain	/ (gang) ri /	p ^h u ⁴⁴ / poŋ ⁴²
mountain pass	/ la /	jΛ ²¹
market/town	/ throm /	tʃ ^h om ⁴²
village	/ 'üü /	kroŋ ⁴²
yesterday	/ khatsha /	daŋ ²⁴ la ²¹
today	/ dari /	da ²¹ sum ⁴³
tomorrow	/ naapa /	jam ²¹ ba ⁴⁴
now	/ dato /	dai ²¹ na ⁴³ ~ dΛ ²² ji ⁴⁴ nΛŋ ²²
morning	/ dropa /	ŋa ⁴⁴ zi ²¹

noon	/ nyin-gung /	n̄en ²² tɕ ^h Λ ⁴²
night	/ numo / ; / zha(k) /	su ⁴⁴ la ²²
breakfast	/ drop(a)-ja /	ŋa ²² zi ²² to ⁴²
lunch	/ nyimā-to / ; / seu / [H]	n̄en ²² tɕ ^h Λ ⁴⁴ to ⁴⁴
dinner	/ pchiru-to / ; / tsho / [H]	su ⁴⁴ la ²² to ⁴⁴
directions	/ sacho /	tɕ ^h o ⁴⁴
east	/ shaa /	ɕaɪ ⁴⁴
west	/ nup /	nup ⁴⁴
south	/ lho /	l̄ ^h o ⁴²
north	/ jang /	(b)dʒaŋ ²¹
right	/ 'yā /	ʔe ⁴⁴ pa ²² ; ɕΛ ⁴⁴ sa ⁴⁴
left	/ 'yön /	ʔem ⁴⁴ pa ²² ; jum ⁴⁴ pa ²²

6.2 Adjectives

The morphology of Khengkha adjectives is still not obvious. The table below shows the recorded “basic form” given by language consultants. We need further investigation and grammatical analyses.

English	Dzongkha	Khengkha
delicious	/ zhim-to(k)to /	ŋar ⁴⁴ -ta ²¹
hot	/ kha tsharu /	k ^h a ⁴⁴ ts ^h a ⁴⁴ -ta ⁴⁴
many	/ lesha /	tɕ ^h a ⁴⁴ tɕ ^h a ²¹
few	/ 'atsi(tsi) /	n̄uŋ ⁴⁴ wa ²¹ ; k ^h Λm ⁴⁴ te ⁴²
big	/ boom /	dʒik ²¹ pa ⁴⁴ -la ²¹
small	/ chung-gu /	tɕ ^h iŋ ²⁴ ku ⁴⁴ -la ²¹
cheap	/ kã-toto /	goŋ ²¹ n̄uŋ ²¹ wa ⁴⁴ -la ⁴⁴
expensive	/ gong boom /	(goŋ ²¹) dʒik ²¹ pa ⁴⁴ -la ⁴⁴
hot	/ tshatom /	ts ^h a ⁴⁴ -ta ²¹

cold	/ si-trhötrhö /	k ^h it ⁴⁴ -ta ²¹
good	/ leshom /	ka ⁴⁴ tɕan ²¹
bad	/ jang ning /	meɽ ²² ba ⁴² (thing, situation) ka ⁴⁴ tɕan ⁴² mu ²² se ⁴² (person)
itchy	/ ya(w)u / ; / ya-ni /	dza ²¹ -ta ²¹
painful/unwell	/ naome /	na ²¹ -ta ²¹

6.3 Verbs

The morphology of Khengkha verbs is not obvious either. The following table only presents the indefinite (= imperfect) form with verb suffixes [-gem²¹] or [-dem²¹]. These two types of suffixes form definite combinations with verb stems. The grammatical difference between them cannot be expounded yet.

English	Dzongkha	Khengkha
go	/ jo-ni / ; / jön-ni / [H]	gai ²⁴ -dem ²¹
come	/ wong-ni / ; / jön-ni / [H]	rɿ ²² -gem ²¹
eat	/ za-ni ; zhe-ni / [H]	zø ²³ -gem ²¹
drink	/ thung-ni / ; / zhe-ni / [H]	t ^h oŋ ⁴⁴ -gem ²¹
look at	/ ta-ni / ; / zi-ni / [H]	tɿ ⁴⁴ -gem ²¹
see	/ thong-ni /	blaŋ ²² -ta ⁴²
show	/ tön-ni /	tɕ ^h o ⁴⁴ ŋɛ ⁴⁴ -men ⁴²
listen to	/ go-ni / ; / nyän-ni / [H]	na ⁴⁴ t ^h u ²² -dem ²¹
hear	/ go-ni /	kat ⁴⁴ go ²² -gem ²¹
let hear	/ da tshön-ni /	ŋen ⁴⁴ lai ⁴²
speak	/ kha 'lap-ni / ; / sung-ni / [H] ; / zhu-ni / [M]	lap ⁴⁴ tɛ ⁴⁴ -men ⁴²
stand	/ long-ni / ; / zheng-ni / [H]	jaŋ ²⁴ -gem ²¹
sit	/ dö(p)-ni / ; / zhu-ni / [H]	ni ²⁴ -gem ²¹
sick	/ na-ni / ; / nyung-ni / [H]	na ²⁴ -gem ²¹

give	/jin-ni / ; / trö-ni / ; / 'nang-ni / [H]	bi ²⁴ -gem ²¹
wait	/ba-ni / ; / 'nam-ni / [H]	tɕ ^h ʌr ⁴⁴ -gem ²¹
know	/she-ni / ; / 'khen-ni / [H]	k ^h ʌŋ ⁴⁴ -gem ²¹
do	/be-ni / ; / dzä-ni / [H]	bu ²⁴ -gem ²¹
hand, carry	/trö-ni / ; / 'nang-ni / [H]	bi ²⁴ -gem ²¹

7. Construction of the Noun Phrase

The basic construction of the noun phrase and the word order modifying it is as follows:

‘these three red flowers’

[d.pn] → [noun] ← [adj] + num (/ pl. sfx)

oʔ⁴⁴kai⁴⁴ mē²¹to⁴² dzin²¹t^hi [~ti]⁴⁴lɑ⁴⁴ sum⁴³ (/ gam²²bo²²)[†]
 this flower red 3 (/ pl.)

† It is impossible to use a plural suffix and a numeral together; one of them should be selected.

- (1) Those two girls wearing blue shirts are *bkra shis*'s sisters.

u²²t^hi[~ti]⁴⁴ = (h)ai⁴⁴ bo²²mē⁴⁴←[k^hen⁴⁴dʒʌ²² ɲøn²²ti⁴⁴-lʌ²²
 DP:dist =GEN girl shirt blue

gin²²] = k^hʌn⁴⁴ zoŋ²¹ tʂʌ⁴⁴ʃi⁴⁴ = ki²² no²²met⁴⁴ wen²¹.
 wear =NMLR 2 *bkra shis* =GEN sister AUX:stmt

8. Interrogative Pronouns/Adverbs

An interrogative sentence with interrogative pronouns/adverbs is the same as an affirmative sentence regarding word order. By inserting interrogatives into their position, the answer words will appear. The particle [jo²¹] will be added appear at the end of the sentence to express a wh-question. (cf. The interrogative particle [jʌ²¹] is used for yes/no questions contrastively.)

The following contain the Tibetan writing assigned for Khengkha as a trial, which is not an official orthography but merely a proposal designed under the suggestion of language

consultants. The aim for spelling each sentence using the Tibetan Script is to suggest an approach for further phonological study and for creating a writing system of Khengkha.

who ai⁴² / ʔΛ⁴⁴

(2) Who is she?

gon²¹ ai⁴² jo²¹ ?
3 sg. who MOD:irg

གོན་མའི་ཡོ།

oʔ⁴⁴kai⁴⁴ bo⁴² ʔΛ⁴⁴ jo²¹ ?
DP: prox person who MOD:irg

ཨ་ཀའི་བོ་ཨ་ཡོ།

whose a²¹tɕi⁴⁴k^hai⁴⁴

(3) Whose house is this?

oʔ⁴⁴kai⁴⁴ mai⁴⁴ a²¹tɕi⁴⁴k^hai⁴⁴ jo²¹ ?
DP: prox house whose MOD:irg

ཨ་ཀའི་མའི་ཨ་ཅི་འའི་ཡོ།

what dzai²¹ / dzΛ²⁴

(4) What is this?

oʔ⁴⁴kai⁴⁴ dzai²⁴ jo²¹ ?
DP: prox what MOD:irg

ཨ་ཀའི་ཇའི་ཡོ།

where $\text{ao}^{21} / \text{ɿ}\Delta\text{u}^{44}$

(5) Where do you go?

$\text{we}\text{ɿ}^{24}$ ao^{21} gai^{24} -dem²¹ ?
2 sg. where go -SFX:indfnt

མེད་ཨོ་གའི་དེས།

why $\text{dzai}^{24}\text{bu}^{21}\text{zi}^{22}$

(6) Why did you come here?

$\text{we}\text{ɿ}^{24}$ $\text{dzai}^{24}\text{bu}^{21}\text{zi}^{22}$ $\text{he}^{44}\text{na}^{21}$ ra^{24} sa^{21} ?
2 sg. why here come MOD:pft

མེད་ཇའི་བྱ་བེ་ཉི་ན་ར་ས།

how $\text{a}^{44}\text{to}^{21}$

(7) How do you go? [to ask means]

$\text{we}\text{ɿ}^{24}$ $\text{a}^{44}\text{to}^{21}$ gai^{24} -dem²¹ ?
2 sg. how go -SFX:indfnt

མེད་ཨོ་ཉོ་གའི་དེས།

(8) How do you feel Bhutan? [to ask for impressions from visitor]

$\text{dzuk}^{22}\text{jy}\text{l}^{21}$ $\text{a}^{44}\text{to}^{21}$ nak^{22} se^{44} ?
Bhutan how feel MOD:pft

འབྲུག་ཡུལ་ཨོ་ཉོ་ནག་སེ།

how much ak⁴⁴pa⁴⁴

(9) How much is this?

o?⁴⁴kai⁴⁴ ak⁴⁴pa⁴⁴ jo²¹ ?
 Prox: sg. how much MOD:pft

ཨ་ཀའི་ཨག་པ་ཡོ།

(10) How much is 1 kg of tomatoes? [to ask for a unit price]

lam⁴⁴ben⁴⁴da²¹ ke⁴⁴dzi²¹ t^hɛ.⁴² = na²¹ ak⁴⁴pa⁴⁴ jo²¹ ?
 tomato k g one = par how much PCL:irg

ལམ་བན་ད་ཀའི་ཐེག་ན་ཨག་པ་ཡོ།

when ar⁴⁴wa²¹

(11) When does he come?

gon²¹ ar⁴⁴wa⁴⁴ ra²⁴ jo²¹ ?
 3 sg. when come MOD:irg

གོན་ཨར་མ་ར་ཡོ།

9. Sentences for Daily Conversation

This chapter exemplifies collected basic sentences and expressions in Khengkha used in daily life. Khengkha has many expressions in common with Dzongkha; they are possibly borrowed from Dzongkha, see, for example, (12) ‘Hello’ and (15) ‘Thank you’. Each daily expression is given in English, Dzongkha in phonemic transcription with Tibetan orthography, and Khengkha in the phonetic description. The examples also submit Tibetan spelling for the Khengkha sentence as a trial, hoping it will be a basis to create an adequate writing system for the latter.

(12) Hello!

Dzk / kuzu zangpo (-laa) !/

ལྷུ་གཟུགས་བཟང་པོ་(ལགས)།

Khk ku⁴⁴zu²¹ zaŋ²¹po⁴⁴ (la²¹)
 body [H]. good MOD[H]

ལྷུ་གཟུགས་བཟང་པོ་(ལགས)།

(13) Welcome!

Dzk	/jönpa lekso (yö)./	འགྲེན་པ་ལགས་སོ།
Khk	kΛ ⁴⁴ dz̥ ⁴⁴ tɕ ^h e ⁴³ (lΛ ²¹) gratitude MOD[H]	བཀའ་དྲིན་ཆེ་ (ལགས།)

(14) I am so glad to see you.

Dzk	/(chö da) pche de 'name-same sem ga-i./	ཁྱོད་དང་འབྲེད་དེ་གནམ་མེད་ས་མེད་དགའ་ཡི།
Khk	weʔ ²⁴ = ne ²¹ dom ⁴⁴ = ze ²⁴ 2 sg. =with see = CONJ	མེད་ནི་དོམ་ཟེ་གནམ་མེད་ས་མེད་སེམས་དགའ་ས།
	nΛ ²¹ me ⁴⁴ sΛ ²¹ me ⁴⁴ sem ⁴⁴ gΛ ²⁴ sΛ ²¹ very happy MOD:pft	

(15) Thank you (very much).

Dzk	/('name-same) kadrinche (-laa)./	(གནམ་མེད་ས་མེད་) བཀའ་དྲིན་ཆེ་(ལགས།)
Khk	kΛ ⁴⁴ dz̥in ⁴⁴ tɕ ^h e ⁴³ (lΛ ²¹) gratitude MOD[H]	བཀའ་དྲིན་ཆེ་(ལགས།)

(16) What is your name?

Dzk	/(chö-gi) ming gaci-mo?/	ཁྱོད་ཀྱི་མིང་ག་ཅི་སྟོ།
Khk	weʔ ²⁴ tɕi ⁴⁴ miŋ ²¹ dʒΛ ²⁴ jo ²¹ 2 sg.: atrb name what MOD:irg	མེད་ཅི་མིང་རྒྱ་ཡོ།

(17) May I have your name? [H]

Dzk	/na-gi tshän laa? [H]	ན་གི་ཚེན་ལགས།
Khk	we ²⁴ tɕi ⁴⁴ ts ^h en ⁴¹ dʒΛ ²⁴ jo ²¹ . [H] 2 sg.: atrb name [H] what MOD:irg	མེད་ཅི་ཚེན་རྒྱ་ཡོ།

(18) My name is Tandin.

Dzk /nyi-gi ming Tandin 'ing (-laa)./ ངའི་གི་མིང་བཟླན་འདུན་ཨིན་(ལགས།)

Khk ηai^{21} $miŋ^{21}$ $t^h\Lambda n^{44}di:^{44}$ wen^{21} . ངའི་མིང་བཟླན་འདུན་མེན།
1 sg.: atrb name *bstan 'dun* AUX:stmt

(19) How are you?

Dzk /chö gade-be yö?/ རྩོད་ག་དེ་སྟེ་ཡོད།

Khk $k\Lambda^{44}t\zeta en^{44}$ $\zeta uk^{44}se^{21}n\Lambda^{21}$ $j\Lambda^{21}?$ ཀ་ཅེན་ཤུག་སེ་ན་ཡ།
good living happy [H] MOD:irg

$k\Lambda^{44}t\zeta en^{44}$ $n\Lambda^{12}$ $j\Lambda^{21}?$ ཀ་ཅེན་ན་ཡ།
good happy MOD:irg

(20) I am fine.

Dzk /le(k)shom-be yö./ ལེགས་ཤོམ་སྟེ་ཡོད།
/lek zhim yö (laa)./ ལེགས་ཞིམ་ཡོད་(ལགས།)

Khk $\eta\Lambda^{12}$ $k\Lambda^{44}t\zeta en^{42}$ $r\Lambda^{24}$ $n\Lambda^{21}$. ང་ཀ་ཅེན་རག་ན།
1 sg. good come AUX:exst

(21) Where are you [H] from?

Dzk /na gade-le mo?/ ན་ག་དེ་ལེ་སྟོ།

Khk $we?^{24}$ ($t\zeta^h uŋ^{44}j\theta^{42}$) $? \Lambda^{44} = \eta i^{44\dagger}$ $j\theta^{21}?$ མེད་སྤུང་ཡུལ་ཙ་ངའི་ཡོ།
2 sg. home land where=ABL AUX:irg

(22) I am from Japan.

Dzk /nga Japan-le 'ing (laa)./ ང་ཇ་པན་ལས་ཨིན་(ལགས།)

Khk $\eta\Lambda^{12}$ $d\zeta\Lambda^{21}p\Lambda^{44}$ = ni^{21} wen^{21} . ང་ཇ་པན་ནི་མེན།
1 sg. Japan =ABL AUX

† [$\eta\Lambda^{44} = \eta i^{44}$] might be a sound change of the phrase: *[$ao^{21} = ni^{21}$] 'where =from'.

(23) Yes. / No.

Dzk /'ing (-laa). / meng (-laa)./

མིང་(ལགས།) / མེན་(ལགས།)

Khk wen²¹(lɿ²¹) / min²¹(lɿ²¹)
AUX:afm [H] AUX:neg [H]

མེན་(ལགས།) / མིན་(ལགས།)

Dzk /'im-bä. / mem-bä./

མིན་བས། / མེན་བས།

Khk wen¹²(dzɿ⁴²) / min¹²(dzɿ⁴²)
AUX:afm [F] AUX:neg [F]

མེན་(གྲགས།) / མིན་(གྲགས།)

(24) There is. / There is not.

Dzk /duu (-laa). / mindu (-laa)./

འདུག་(ལགས།) / མིན་འདུག་(ལགས།)

Khk nɿk²²(se:⁴²) / mu²¹(se:⁴²)
Vb:afm [H] Vb:neg [H]

ནག་(སེ།) / ལྷོད་(སེ།)

(25) I have. / I do not have.

Dzk /yö (-laa). / mee (-laa)./

ཡོད་(ལགས།) / མེད་(ལགས།)

Khk (ŋɿ²⁴ = nɿ²¹) nɿ²¹. / mut⁴⁴
I sg. =DAT have lack

(ང་ན་)ནག་ / ལྷོད།

(26) I understood.

Dzk /ha go-i./

ཉ་གོ་ཡི།

Khk hɿ⁴⁴ ko⁴⁴ -sɿ⁴².
understand -SFX:pft

ཉ་གོ་ས།

(27) I do not understand.

Dzk /ha mi-gö./

ཉ་མི་གོ་ས།

Khk hɿ⁴⁴ mɿ²²- go²¹.
under- NEG -stand

ཉ་མ་གོ

(28) Please say it again.

Dzk /daru tshaa ci 'lap 'nang./

ད་རུང་ཚེར་གཅིག་སྐབ་གནང་།

Khk du²²ruŋ²⁴ lɔp²² -lai⁴².
again speak -SFX:imper

དུ་རུང་སྐབ་ལའི།

(29) O.K. / All right.

Dzk /tup (pe)./

བརྟུབ་བས།

Khk pɔ²² -tɔ⁴².
right -SFX

བ་ཏ།

(30) O.K. / Yes. / All right.

Dzk /las (-laa)./

ལགས་སོ་(ལགས)།

Khk las⁴² lɔ⁴⁴. [H] < Dzk

ལགས་སོ་ལགས།

(31) No problem.

Dzk /khä me./

ཚུད་མེད།

Khk kɔ⁴⁴ŋel⁴² mut⁴⁴.
problem lack

ཀ་དེལ་སྤྱད།

(32) See you again.

Dzk /las (-laa). / lokte jää-ge (laa)./

ལགས་སོ་(ལགས)། འོག་ལྷོ་མཇུག་གོ་(ལགས)།

Khk las⁴² lɔ⁴⁴. [H] jɔŋ²⁴pe⁴² dom²¹.
again see

ལགས་སོ་ལགས། ཡང་བེགས་དོམ།

(33) Where are you going?

Dzk /(chö) gade jo(w)u mo?/

(ཚྱོད་)ག་དེ་འཕྱོམ་མོ།

Khk weŋ²⁴ ?ɔ⁴² gai⁴² t^hɔŋ⁴² jo²¹ ?
2 sg. where go over MOD:irg

མེད་ཨོ་གའི་ཐང་ཡོ།

(34) I'm going to Bumthang.

Dzk //(nga) Bumthang-lu jo(w)u 'ing./ (ང་)བུམ་ཐང་ལུ་འཇུག་ཡིན།

Khk $\eta\Lambda^{24}$ $\text{bum}^{22}\text{t}^{\text{h}}\Lambda\eta^{42}$ = ηo^{24} gai^{24} - de^{42} me^{24} wen^{21} . ང་བུམ་ཐང་དོ་གཤི་དེ་མེ་མེན།
1 sg. Bumthang =ALT go -SFX:indfnt AUX

(35) I want to go to Bumthang.

Dzk //(nga) Bumthang-lu jo go 'no-i./ (ང་)བུམ་ཐང་ལུ་འཇུག་དགོ་མཚོ་ཡི།

Khk $\eta\Lambda^{24}$ $\text{bum}^{22}\text{t}^{\text{h}}\Lambda\eta^{42}$ = ηo^{24} gai^{24} - do^{42} $\eta\Lambda\text{m}^{22}$ $\text{p}\Lambda^{22}$. ང་བུམ་ཐང་དོ་གཤི་དོ་ཉམ་བ།
1 sg. Bumthang =ALT go-SFX:indfnt think MOD

(36) Where is a rest room?

Dzk /chapsang gate yö-ga?/ ཆབ་གསང་ག་ཉི་ཡོད་ག།

Khk $\text{s}\Lambda\eta^{44}\text{t}^{\text{h}}\text{u}\eta^{42}$ $\eta\Lambda\text{u}^{44}$ $\text{lo}^{44}\text{ko}^{44}$ jo^{21} ? གསང་རྒྱུང་ཨའོ་རྫོ་གོ་ཡོ།
restroom where locate MOD:irg

Dzk /chapsang gate mo?/ ཆབ་གསང་ག་ཉི་མོ།

Khk $\text{t}^{\text{h}}\Lambda\text{p}^{44}\text{s}\Lambda\eta^{44}$ $\eta\Lambda\text{u}^{44}$ $\text{lo}^{44}\text{ko}^{44}$ jo^{21} ? ཆབ་གསང་ཨའོ་རྫོ་གོ་ཡོ།
restroom [H] where locate MOD:irg

(37) Let's go.

Dzk //(da) jo-ge./ (ད་) འཇུག་གེ།

Khk $\text{d}\Lambda\eta^{22}$ gai^{24} - de^{21} . དང་གཤི་དེ།
together go-SFX:indfnt

(38) Come here.

Dzk /na sho./ ར་ཤོགས།

Khk $\text{he}^{44}\text{n}\Lambda^{22}$ $\text{t}^{\text{h}}\Lambda^{44}$ ji^{21} . ཉེ་ན་ཤག་ཡི།
here come MOD

(39) How old are you?

Dzk /ʎ(chö) lo gadem ci mo?/

(ཁྱེད་ལོ་ག་དམ་ཅེག་སྟོ།)

Khk weʔ²⁴ niŋ²² ʎΛk⁴⁴ pΛ⁴⁴ jo²¹ ?
 2 sg. age how many MOD:irg

མེ་ནིང་ཨག་པ་ཡོ།

(40) I'm 20 years old.

Dzk /ʎ(nga) lo kheci 'ing./

(ང་ལོ་ལལ་གཅེག་ཨིན།)

Khk ŋΛ²⁴ niŋ²² k^hai²⁴de⁴⁴ wen²¹.
 1 sg. age twenty AUX

མེ་ནིང་ལའི་དེ་མེན།

(41) Congratulations!

Dzk /trashī delek!/
 /trashī delek!/

བགྲ་ཤིས་བདེ་ལེགས།

Khk tʂΛ⁴⁴ci⁴⁴de²¹lek²² ŋin⁴⁴ gΛ²² -sΛ²¹.
 congratulations heart happy -SFX:pft

བགྲ་ཤིས་བདེ་ལེགས་སྟིན་དགའ་ས།

(42) What is this?

Dzk /'ani gaci mo?/

ཨ་ནི་ག་ཅི་སྟོ།

Khk oʔ⁴⁴kai⁴⁴ dzΛ²⁴ jo²¹ ?
 DP: prox what MOD:irg

ཨོ་ཀའི་རྫ་ཡོ།

(43) This is a *momo* (dumpling).

Dzk /'ani momo 'ing./

ཨ་ནི་མོ་མོ་ཨིན།

Khk oʔ⁴⁴kai⁴⁴ mo²²mo⁴⁴ wen²¹(dzΛ²²) ?
 DP: prox dumpling AUX: [F]

ཨོ་ཀའི་མོ་མོ་མེན་(ག།)

(44) How much is this?

Dzk /('ani) gong gadem ci mo?/ (ཨ་ནཱི་)གོང་ག་དམ་ཅིག་མོ།

Khk oʔ⁴⁴kai⁴⁴ ʌk⁴⁴pʌ⁴⁴ jo²¹ ? ཨོ་ཀའི་ཨག་པ་ཡོ།
 DP: prox how much AUX

(45) 30 ngultrum for 1 plate.

Dzk /tha le 1 [ci] lu tiru sumcu 'ing./ ཐ་ལེ་གཅིག་ལུ་ཉི་ཅུ་གསུམ་བུ་ཨིན།

Khk t^hʌ⁴⁴li⁴⁴ t^hek⁴⁴ = nʌ²² [k^hai²⁴de²² = ne²² tɕ^he⁴⁴ [/sum⁴⁴tɕu⁴⁴] wen²¹.
 plate one =DAT twenty =and half (10) three ten AUX
 ཐ་ལེ་གསུམ་བུ་[ལའི་དེ་ནི་ཕྱེད་ [གསུམ་བུ་] ཨིན།

(46) Do you have some butter tea?

Dzk /suuja yö ga?/ ལུ་ཇ་ཡོད་ག

Khk su.⁴⁴dʒʌ⁴⁴ nʌ²⁴ jʌ²¹ ? ལུ་ཇ་ན་ཡ།
 butter tea have MOD:irg

(47) (One more) beer, please.

Dzk /((daru) biyaa ci, zhu ge (-laa)./ (ད་རུང་)བི་ཡམ་གཅིག་(ལུ་གོ་(ལགས།)

Khk do²²ronj²⁴ bia²⁴ t^hek⁴⁴ wai²⁴ nʌ²⁴. དོ་རོང་བི་ཡམ་གཅིག་མའི་ན།
 more beer one give have

(48) Is this yours?

Dzk /'ani chö-gi 'ing na?/ ཨ་ནཱི་ཚྱོད་གྱི་ཨིན་ན།

Khk oʔ⁴⁴kai²⁴ we²²tɕi⁴⁴ = hai²⁴ wen²⁴ jʌ²¹ ? ཨོ་ཀའི་མེ་ཅི་ཚའི་ཨིན་ཡ།
 DP: prox you=GEN AUX MOD:irg

(49) I am thirsty.

Dzk /nga kha kom ce./ ང་ཁ་སྐྱམ་ཅིག

Khk $\eta\Lambda^{24} k^h\Lambda^{44} k\Lambda m^{44} -p\Lambda^{21}$. ང་ཁ་སྐྱམ་པ།
1 sg. mouth dry -SFX

(50) I am (very) hungry.

Dzk /nga ('name-same) tou ke-ci./ ང་(གནམ་མེད་ས་མེད་)སྐྱམ་བཞེས་ཅིག

Khk $\eta\Lambda^{24} br\Lambda^{44} n\Lambda^{22} -s\Lambda^{22}$. ང་ཁ་བྲ་ན་ལ།
1 sg. hungry have -SFX

(51) I have had enough.

Dzk /phou drangsi (-laa)/ མོམ་འགྲངས་སེ་(ལགས།)

Khk $\eta\Lambda^{24} dzo^{22} m\Lambda^{42} \eta r\Lambda \eta^{24} -p\Lambda^{42}$. ང་རྩུ་མ་ངང་པ།
1 sg. belly full -SFX

(52) It's delicious.

Dzk /('name-same) zhim be./ (གནམ་མེད་ས་མེད་)ཞིམ་བྱེ།

Khk (dek²²p⁴⁴ t²²η⁴²) η²⁴ -t⁴². (དེག་པ་ཅ་ང་)ངར་ཉ།
very delicious -SFX

(53) Please take (eat/drink) it.

Dzk /zhe (-laa)/ བཞེས་(ལགས།)

Khk $soi^{44} -l\epsilon^{22} (l\Lambda^{21})$. སོའི་ལའི་(ལགས།)
take -SFX:imper [H]

(54) No, thank you.

Dzk /mi zhu (-la)./

མི་ལྷ་(ལགས།)

Khk lɒŋ²⁴ -pɒ⁴².
enough -SFX

ལང་བ།

(55) I do not feel well.

Dzk /zu de-toto me(ng)./

གཟུགས་བདེ་ཏོག་ཏོ་མི(ང་)།

Khk ŋɒ²⁴ zu²⁴ mɒ²² -de²¹.
1 sg. body NEG -good

ང་གཟུགས་མ་བདེ།

(56) I have a stomachache.

Dzk /(nga) phou na-de-'ing./

(ང་)ཕོ་མ་ན་དེ་ཡིན།

/(nga) phou na(wu)-mä./

(ང་)ཕོ་མ་ན་མ་མཐ།

Khk ŋɒ²⁴ dzo²²mɒ⁴² nɒ²⁴ -ze²¹.
1 sg. belly sick -SFX:pft

ང་ལྷུ་མ་ན་བྲེག།

10. Noun Predicate Sentences

The auxiliary verb for statements [wen²¹], which works as a copula, connects two substantives. The negative counterpart is [min²¹], and the interrogative particle [ja²¹] will be affixed to the end of the sentence when needed. All the example sentences in chapters 10 to 13 were provided by a language consultant who speaks the Wamling dialect, and the pronunciation recorded here is based on his idiolect. The spelling in Tibetan script was also offered by him. The notation in Tibetan script does not reflect the grammatical alternation nor cognates of Tibetan/Dzongkha; it only spells out the actual pronunciation of Khengkha, one by one.

(57) Are you a Bhutanese?

weŋ²¹ dzuk²²pa²² wen²³ ja²¹ ?
 2 sg. Bhutanese AUX:afm IRG

མེད་འབྲུག་པ་མེན་ཡ།

(58) I am a Bhutanese.

ŋa²³ dzuk²²pa²² wen²¹.
 1 sg. Bhutanese AUX:afm

ང་འབྲུག་པ་མེན།

(59) I am not a Bhutanese.

ŋa²³ dzuk²²pa²² min²¹.
 1 sg. Bhutanese AUX:neg

ང་འབྲུག་པ་མིན།

(60) Is he a Bhutanese?

gon²¹ dzuk²²pa²² wen²³ ja²¹ ?
 3 sg. Bhutanese AUX:afm IRG

གོན་འབྲུག་པ་མེན་ཡ།

(61) No, he is not a Bhutanese, but a Japanese.

min²¹. gon²¹ dzuk²²pa²² min²¹, dza²²pa²²nis²¹ wen²¹.
 No. 3 sg. Bhutanese AUX:neg Japanese AUX:afm

མིན། གོན་འབྲུག་པ་མིན། རྒྱ་ལྗོངས་ནིས་མེན།

No, he is from Japan.

min²¹. gon²¹ dza²²pan²¹ = ni²¹ wen²¹.
 No. 3 sg. Japan =ABL AUX:afm

མིན། གོན་རྒྱ་ལྗོངས་ནི་མེན།

- (62) Where are you from?

weŋ²¹ ʔɑ⁴⁴ŋi⁴⁴ jo²¹ ?
 2 sg. where from MOD:irg

མེད་ཅུ་ཉི་ལོ།

- (63) I am from Wamling.

ŋɑ²³ wam²³liŋ⁴¹ = ni²² wen²¹.
 1 sg. Wamling =ABL AUX:afm

ང་ལྷམ་ལིང་ནི་མེན།

11. Existential Sentences

The auxiliary verb for existence [na²¹] and its negative counterpart [mut²¹] are used in existential or locational sentences. Further, the interrogative particle [ja²¹], or [jo²¹] for wh-questions, will be affixed to the end of the sentence.

- (64) There is a notebook on that table.

ʔɑ⁴⁴t^hu²⁴ tɕok⁴⁴sen⁴² = gi²² nam²²do⁴⁴ dʒi²⁴tɕep²² na²¹.
 there table =GEN surface notebook AUX:exst

ཅུ་ཐུ་ཚོག་གི་ནམ་དོ་བྱིས་དེ་བ་ན།

- (65) Here are three notebooks on the table.

he⁴⁴na²² tɕok⁴⁴sen⁴² = gi²² nam²²do⁴⁴ dʒi²⁴tɕep²² sum⁴³ na²¹.
 here table =GEN surface notebook three AUX:exst

ཉེ་ན་ཚོག་གི་ནམ་དོ་བྱིས་དེ་བ་གསུམ་ན།

- (66) I have two daughters.

ŋɑ²⁴ = na²² ʔo⁴⁴lo²²bo²²me⁴³ zon²⁴ na²¹.
 1 sg. =DAT child girl two AUX:have/exst

ང་ན་མོ་ལོ་བོ་མེ་ཟོན་ན།

(67) I have no sons.

$\eta\alpha^{24} = \text{na}^{22} \text{ʔo}^{44}\text{lo}^{22}\text{bo}^{23} \text{mut}^{21}$.
 1 sg. =DAT child boy AUX:not have/lack

ང་ན་ཚོ་ལོ་བོ་སྲུང།

(68) S/he has three sons.

$\text{gon}^{21} = \text{na}^{22} \text{ʔo}^{44}\text{lo}^{22}\text{bo}^{23} \text{sum}^{44} \text{na}^{21}$.
 3 sg. =DAT child boy three AUX:have/exst

གོན་ན་ཚོ་ལོ་བོ་གསུམ་ན།

(69) How many children do you have?

$\text{we}\text{ʔ}^{21} = \text{na}^{22} \text{ʔo}^{44}\text{lo}^{22} \text{ʔak}^{44}\text{pa}^{21} \text{na}^{22} \text{jo}^{21} ?$
 2 sg. =DAT child how many AUX:have MOD:irg

མེད་ན་ཚོ་ལོ་མག་བ་ན་ཡོ།

12. Adjective Predicate Sentences

Interestingly, the auxiliary verb set for statements [wen^{21}] and its negative [min^{21}], as well as the one to express existence [na^{21}] and its negative [mut^{21}] are both used in adjective predicate sentences. Their distribution and function are as follows: the former set represents a statement for the “inner” circle of speech, and the latter set represents a statement for the “outer” circle of speech, similar to /yin/ and /ree/ in the Tibetan Lhasa dialect. The “inner” statements often refer to the 1st and 2nd person subjects, and the “outer” statements often refer to the 3rd person subjects. The interrogative particle [ja^{21}], or [jo^{21}] for wh-questions, will appear at the end of the sentence.

(70) Is s/he young?

gon²¹ zɔn²³ma³¹ na²² ja³³ ?
 3 sg. young AUX:exst IRG

གོན་གཞོན་མ་ན་ཡ།

‘outer’ statement

gon²¹ zɔn²³ma³¹ wen²¹ ja³³ ?
 3 sg. young AUX:stm IRG

གོན་གཞོན་མ་མེན་ཡ།

‘inner’ statement

(71) No. S/he is old.

min²¹. gon²¹ get²² pu⁴⁴ wen²¹.
 No. 3 sg. old AUX:stmt

མིན། གོན་གྲྀད་ཕུ་མེན།

(72) I am old.

ŋa²³ get²² pu⁴⁴ wen²¹.
 1 sg. old AUX:stmt

ང་གྲྀད་ཕུ་མེན།

(73) You are younger than him.

weɿ²¹ gon²¹ = ni⁴⁴jaŋ²¹ zɔn²³ma³¹ na²¹. ‘outer’ statement
 2.sg 3 sg. = than young AUX:exst

མེད་གོན་ནི་ཡང་གཞོན་མ་ན།

*It is impossible to replace [na²¹] from the “outer” statement with *[wen²¹] representing an “inner” statement in this sentence.

(74) S/he is tall.

gon²¹ k^haj⁴⁴ba²²-la²² na²¹.
3.sg tall-SFX AUX:exst

གོན་ཁང་བ་ལ་ན།

(75) S/he is pretty.

gon²¹ mop²²zaj⁴² na²¹.
3.sg pretty AUX:exst

གོན་ཚོབ་བཟང་ན།

(76) This book is red.

oɽ⁴⁴kai⁴² ki⁴⁴tep⁴⁴ dzin²⁴ti⁴⁴-la²² wen²¹.
prx:sg. book red-SFX AUX:stmt

ཨ་ཀའི་ཀི་ཏའ་བྱིན་ཏི་ལ་ལེན།

(77) This notebook is blue.

oɽ⁴⁴kai⁴² dzi²⁴tep²² nun⁴⁴te²²-la²² wen²¹.
prx:sg. notebook red-SFX AUX:stmt

ཨ་ཀའི་བྲིས་ཟེབ་ལུན་ཏི་ལ་ལེན།

(78) This dumpling tastes good.

oɽ⁴⁴k^hai⁴² mo²²mo²² ka⁴⁴tɕan²¹ na²¹.
prx:sg. dumpling tasty AUX:exst

ཨ་ཀའི་ཚོ་ཚོ་ཀ་ཅན་ན།

(79) Which do you like, *sinchang*, *bangchang*, or *araq*?

weɽ²¹ sin⁴⁴tɕ^haj⁴⁴, baj²⁴tɕ^haj⁴⁴, ɽa⁴⁴ra²¹ = ni⁴⁴ dzai²¹ ga¹² jo²¹ ?
2 sg. *sinchang* *bangchnag* *araq* =ABL what like MOD:irg

མེན་སིང་ཆང་བང་ཆང་ཨ་རག་ནི་ཇའི་དགའ་ཡོ།

13. Verb Predicate Sentences

A Khengkha verb is not conjugated for the person or number of the subject or other actants. The basic verb predicate structure is Vstem-SFX (AUX)(MOD), in which the suffix represents aspects such as imperfect (including present/future tense), perfect (related to past tense), progressive, and imperative. The verb suffixes are expressed with hyphen and brackets, such as ‘-[aspect]’, in the gloss for each sentence, and ‘SFX’ is omitted, that is, -SFX:imperative → -[imper] henceforth. These verb suffixes have morphological alternates, however, the grammatical background causing the alternation is not obvious yet as there is not enough data to discuss upon. Here, we can only point out the possible alternations, needing further research on Khengkha grammar to expound these phenomena.

(80) Close the door!

ko ⁴²	dam ²⁴	-lai ²¹ .		ཀོ་འདམ་ལའི།
door	close	-[imper]		

(81) Open the door!

ko ⁴²	p ^{hi} . ⁴²	-lai ²¹ .		ཀོ་ཕི་ལའི།
door	open	-[imper]		

The imperative is formed by adding the suffix [-lai²¹] to the verb stem.

(82) Now the door is open.

da ⁴⁴ ni ²⁴	ko ⁴²	p ^{hi} . ⁴⁴	-sa ²¹ .		ད་ནི་ཀོ་ཕི་ས།
now	door	open	-[pft]		
da ⁴⁴ ni ²⁴	ko ⁴²	p ^{hi} . ⁴⁴	-zi ²³	na ²¹ .	ད་ནི་ཀོ་ཕི་ཟེ་ན།
now	door	open	-[pft]	AUX:exst	

The most general suffix expressing the perfect aspect is [-sa²¹], and [-zi²³] must be an alternative to it, which appears before the auxiliary verb for “outer” statements [na²¹]. It might be a gerund of the suffix [-sa²¹] to express state, as AUX [na²¹] is mainly used after adjectives (see Chapter 12).

Another noteworthy grammatical phenomenon is that the subject is a bare noun without a case-marker in these intransitive verb predicate sentences in (82).

(83) Who opened the door?

ko ⁴²	ʔa ⁴⁴ tʃi ⁴²	p ^{hi} · ²²	-sa ⁴⁴	jo ²¹ ?	ཀོ་ཨ་ཅི་སྐ་སྐ་ཡོ
door	who	open	[-pft]	MOD:irg	

(84) I opened the door.

ko ⁴⁴	ŋa ²⁴ = ji ²²	p ^{hi} · ⁴⁴	-sa ²¹ .	ཀོ་ངའི་སྐ་སྐ་
door	1 sg. =ERG	open	[-pft]	

ŋa ²⁴ = ji ²²	ko ⁴⁴	p ^{hi} · ⁴⁴	-sa ²¹ .	ངའི་ཀོ་སྐ་སྐ་
1 sg. =ERG	door	open	[-pft]	

(85) The wind opened [the door].

luŋ ⁴² = gi ²²	(ko ⁴⁴)	p ^{hi} · ⁴⁴	-sa ²¹ .	ལུང་གི་ཀོ་སྐ་སྐ་
wind =ERG	door	open	[-pft]	

The subjects in transitive verb predicate sentences are marked with case particles [= ji²²], compared to intransitive verb predicate sentences (82), concluding that Khengkha is an ergative-type language. The ERG particle [= ji²²] appears with an open syllable subject, and the altered form [= gi²²] appears instead after a closed syllable subject with coda.

(86) I will open the door.

ko ⁴⁴	ŋa ²⁴ = ji ²²	p ^{hi} · ⁴⁴	-ge ²¹ .	ཀོ་ངའི་སྐ་གེ
door	1sg. =ERG	open	[-impft]	

(87) The water is boiled.

k ^h we ⁴⁴	ts ^h a ⁴⁴	-zu ²⁴	-mu ²¹ .	ཁྲིས་ཚ་བུ་མུ
water	hot	[-pft]	AUX(?)	

The suffix [-ge²¹] is a general marker of the imperfect and expresses a volitional future. While the indefinite suffix [-gem²¹] must be a derivative of the former, I doubt [-zu²⁴] being another gerund-indicating suffix [-sa²¹] to express a state before the auxiliary verb. See (82) above. However, we are not yet sure of the meaning and function of AUX(?) [mu²¹].

(88) Who boiled the water?

k^hwe⁴⁴ ts^han⁴² ʔa⁴⁴tɕi⁴² t^hek⁴⁴ -pa²² jo²¹ ? ཁྱོད་ཚན་མ་ཅི་ཐེག་པ་ཡོ།
 water ← heated who boil -[pft] MOD:irg

(89) I boiled the water.

k^hwe⁴⁴ ts^han⁴² ŋa²⁴ = ji²² t^hek⁴⁴ -pa²². ཁྱོད་ཚན་པ་འི་ཐེག་པ།
 water ← heated 1 sg. =ERG boil -[pft]

k^hwe⁴⁴ ts^han⁴² ŋa²⁴ = ji²² t^hek⁴⁴ -pam⁴² wen²¹. ཁྱོད་ཚན་པ་འི་ཐེག་པ་མེན།
 water ← heated 1 sg. =ERG boil -[pft] AUX

The other general suffix [-pa²²] also expresses the perfect aspect, however, it is difficult to grammatically explain the distribution and difference between suffixes [-sa²¹] and [-pa²²], since there is not enough data to compare them. The suffix [-pam⁴²] appears preceding the position of the auxiliary verb for “inner” statements [wen²¹], and it must be a derivation from suffix [-pa²²]. I think this is a phenomenon parallel with that of suffixes [-ge²¹] and [-gem²¹] seen above in (86) and will be presented in (91) below.

(90) Who [is going to] boil the water?

k^hwe⁴⁴ ts^han⁴² ʔa⁴⁴tɕi⁴² t^hek⁴⁴ -ke⁴⁴me²² jo²¹ ? ཁྱོད་ཚན་མ་ཅི་ཐེག་གེ་མེན།
 water ← heated who boil -[impft] MOD:irg

(91) I (will) boil the water.

k^hwe⁴⁴ ts^han⁴² ŋa²⁴ = ji²² t^hek⁴⁴ -ke²². ཁྱོད་ཚན་པ་འི་ཐེག་གེ།
 water ← heated 1 sg. =ERG boil -[impft]

k^hwe⁴⁴ ts^han⁴² ŋa²⁴ = ji²² t^hek⁴⁴ -kem⁴² wen²¹. ཁྱོད་ཚན་པ་འི་ཐེག་གེ་མེན།
 water ← heated 1 sg. =ERG boil -[impft] AUX

The perfect suffix [-ke²²] must be an allophone of [-ge²¹] seen in (86) above. The initial appears to be a voiceless [k-] as it is assimilated to the coda of the verb stem [t^hek⁴⁴]. The suffix [-kem⁴²] must be a derivation from suffix [-ke²²], which appears in the preceding position of the auxiliary verb for “inner” statements [wen²¹]. Here, a parallel derivation phenomenon between the suffix [-ge²¹] and [-gem²¹] can also be seen.

(92) I came from Thimphu yesterday.

$\eta\alpha^{24}$ $da\eta^{44}la^{22}$ $t^h\imath m^{44}p^hu^{44}$ = ni^{21} ra^{24} - sa^{21} . ང་དང་ལ་ཐིམ་ཕུག་ནི་ར་ས།
1 sg. yesterday Thimphu =ABL come -[pft]

(93) I went to Bumthang.

$\eta\alpha^{24}$ $bum^{24}t^h\alpha\eta^{21}$ = na^{21} gai^{24} - pa^{21} . ང་བུམ་ཐང་ན་གའི་པ།
1 sg. Bumthang =ALT go -[pft]

Comparing (92) and (93), we see that the perfect suffixes are different, [ra^{24} - sa^{21}] ‘(have) come’ and [gai^{24} - pa^{21}] ‘(have) gone’, both expressing the perfect aspect, but opposite directions. This might be a hint to unravel the difference between them.

(94) I (will) go to Bumthang tomorrow.

$\eta\alpha^{24}$ $bum^{24}t^h\alpha\eta^{21}$ = na^{21} $jam^{44}pa^{22}$ gai^{24} - dem^{21} (wen^{21}).
1 sg. Bumthang =ALT tomorrow go -[imdfnt] AUX:stmt

ང་བུམ་ཐང་ན་ཡམ་པ་གའི་དེམ་(མེན།)

The suffix [- dem^{21}] is another general marker of the imperfect aspect and it expresses a volitional future, however, it is difficult to explain the distribution and difference between [- gem^{21}] and [- dem^{21}]. Our language consultant explained that these two kinds of suffixes take definite combinations with the verb stems. The grammatical difference between them cannot be expounded yet; it can only be pointed out that, so far, it does not concern ergative or transitive/intransitive aspects. See the Section 6.3 verbs. The suffix [- dem^{21}] may appear in the preceding position of the auxiliary verb for “inner” statements [wen^{21}]. I think this suffix also supports the hypothesis that verb suffixes add a final nasal consonant [- m] when they precede the auxiliary verb.

(95) Did you eat rice?

to^{44} zu^{24} - sa^{44} ja^{21} ? ལྷོ་བྱ་ས་ཡ།
rice eat -[pft] MOD:irg

(96) I ate much rice.

ŋa²⁴ to⁴⁴ tɕ^ha⁴⁴ tɕ^ha²² zu²⁴ -sa²¹.
1 sg. rice much eat -[pft]

ང་ལྟོ་ཚ་ཆ་བྲུ་ས།

(97) I am eating rice now.

ŋa²⁴ to⁴⁴ dai²⁴na²² zu²⁴ -ta²¹.
1 sg. rice now eat -[prog]

ང་ལྟོ་དེ་ན་བྲུ་ཏ།

The suffix [-ta²¹] expresses the progressive aspect. The tense is indicated by adverbs or nouns concerning time. See sentence (100).

(98) I (will) eat tomorrow.

ŋa²⁴ to⁴⁴ jam²²pa⁴⁴ zu²⁴ -gem²¹.
1 sg. rice tomorrow eat -[impft]

ང་ལྟོ་ཡམ་པ་བྲུ་གེས།

(99) I wrote letters.

ŋa²⁴ = ji⁴⁴ ji:²²gu⁴⁴ dzi²⁴ -sa²¹.
1 sg. =ERG letters write -[pft]

ང་འི་ཡི་གུ་བྲི་ས།

(100) I am writing letters now.

ŋa²⁴ ji:²²gu⁴⁴ dai²⁴na²² dzi²⁴ -ta²¹.
1 sg. letters now write -[prog]

ང་འི་ཡི་གུ་དེ་ན་བྲི་ཏ།

In sentences in the progressive aspect, the subject does not take any ERG markers, even though the predicate includes a transitive verb (and an object). See sentences (97) and (100).

(101) I will write (letters).

ŋa²⁴ = ji²² ji:²²gu⁴⁴ dzi²⁴ -gem²¹.
1 sg. =ERG letters write -[impft]

ང་འི་ཡི་གུ་བྲི་གེས།

(102) Do you drink *araq* ?

weɿ²¹ ʔa⁴⁴ra⁴² t^hoŋ⁴⁴ ja²¹ ?
2 sg. araq drink IRG

མེད་ཨ་རག་མཐོང་ཡ།

(103) I drink *araq*.

ŋɑ²⁴(=ji²²) ʔɑ⁴⁴ra⁴² t^hoŋ⁴². དེ་ཨ་རག་མཐོང་།
 1 sg. (=ERG) araq drink

It is possible to add the verb suffix [-gem²¹] after the verb [t^hoŋ⁴²], however, it is impossible to add the auxiliary verb for “inner” statements [wen²¹] without any verb suffix to the final position of this sentence. The verb suffix [-ge²¹] or [-gem²¹] is similar to the Tibetan verb suffix /-ki/, which appears in the preceding position of the auxiliary verb /yin/ or /ree/ in the imperfect aspect, which means they may have common functions or origins.

(104) I do not drink *araq*.

ŋɑ²⁴(=ji²²) ʔɑ⁴⁴ra⁴² me²²- t^hoŋ⁴². དེ་ཨ་རག་མེ་མཐོང་།
 1 sg. (=ERG) araq NEG- drink

The NEG + Vstem construction without either a verb suffix or auxiliary verb expresses negation in the imperfect or a volitional future.

If the subject takes ERG marker [=ji²²] in this sentence, it means “I do not drink alcohol” or “I am a nondrinker.”

14. Conclusion

This article was proposed as a preliminary report on the Khengkha language, including phonological, lexical, and grammatical sketches based on the current available data, which were collected through my field research. Although I recorded the pronunciation of Khengkha in detail, I only had three Khengkha consultants from three different areas, therefore it was premature to inductively analyze the phonological structure of each dialect, due to a lack of enough data. That is why it is not easy to distinguish which phonological features belong to personal idiolect or areal dialect, needing more reliable descriptive data on Khengkha dialects.

I hope this report will be a first step in the descriptive study on the Khengkha language. A deeper analysis should be made regarding all aspects of phonological, lexical, and grammatical studies, through field research. By improving the descriptive study on Khengkha, we can set about the next task of comparing studies on East Bodish languages with their relatives in Sino-Tibetan languages.

Abbreviation

1	1st Person	irg	interrogative
2	2nd Person	IRG	Interrogative AUX
3	3rd Person	MOD	Modal Particle
ABL	Ablative	neg	negative
afm	affirmative	NEG	Negative PFX
ALT	Allative	pft	perfect
AUX	Auxiliary verb	PFX	Prefix
CONJ	Conjunctive	pl.	plural
DAT	Dative	prog	progressive
ERG	Ergative	prox	proximal DP
dist	distal DP	PTB	Proto-Tibeto-Burman
DP	Demonstrative Pronoun	SFX	Suffix
Dzk	Dzongkha	sg.	singular
GEN	Genitive	stmt	statement
exst	existence	WrT	Written Tibetan
imper	imperative	[F]	Friendly
impft	imperfect	[H]	Honorable
indfnt	indefinite	[M]	Modest

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