# Revised proposal to encode Hanifi Rohingya in Unicode

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# 1 Introduction

This is a proposal to encode the Hanifi Rohingya script in Unicode. It supersedes the following documents:

- L2/12-214 "Preliminary Proposal to Encode the Rohingya Script"
- L2/12-278R "Proposal to encode the Hanifi Rohingya script in Unicode"

A proposal summary form is enclosed. The present document addresses comments made in:

- L2/16-037 "Recommendations to UTC #146 January 2016 on Script Proposals"
- L2/17-037 "Recommendations to UTC #150 January 2017 on Script Proposals"

# 2 Background

The 'Hanifi Rohingya' script is used for writing Rohingya (ISO 639-3: rhg), an Indo-Aryan language spoken by one million people in Myanmar (Rakhine State) and by 200,000 people in Bangladesh (Cox's Bazaar District). The Rohingya (تسلامينية *ruwainggya*, السلامينية *ruhainggya*) language is also spoken in other countries along the Indian Ocean because of the dispersion of the Rohingya community on account of persecution in Myanmar. In addition to the present script, three others are used for writing Rohingya: Burmese, Arabic, and Latin. The Arabic orthography is known as 'Rohingya Fonna'. The Latin adaptation, known as 'Rohingyalish', is based upon the English alphabet.

The script was developed by the Rohingya Language Committee in the 1980s under the guidance of Maulana Mohammed Hanif. The initial script approved by the committee is shown in the document in figure 2. The script is a modern construction and has no direct genetic affiliation to other writing systems. However, the influence of Arabic is evident in the general appearance and structure of the script, and some letter shapes are influenced by characters from the Latin and Myanmar scripts. The writing system is referred to by its users as as a *ruhainggya zubanor huruf* "letters of the Rohingya language", or simply *ruhainggya huruf* "Rohingya letters". The designation "Hanifi Rohingya" has been selected for the script block in Unicode (see § 3.2).

There is limited information available on the Hanifi Rohingya script in English. Most of the materials on the script are written in the Rohingya language. The Rohingya Language Committee and the Rohingya Education Board Myanmar have published multilingual primers of the script (see figures 5–20). The script is used for the publication of books and newspapers, which are handwritten and printed. These sources show that a few Rohingya fonts have been developed for desktop publishing. The latest typefaces have been developed by Muhammad Noor.

# **3** Script Details

### 3.1 Structure

Hanifi Rohingya is an alphabetic script that is written from right to left. Consonant letters represent pure consonants. Vowels are expressed using letter-like signs, which are placed after a consonant. Vowel signs represent short vowels. Vowel length and stress is indicated using tonal signs, which are placed above vowel signs. An independent or word-initial vowel is represented using a vowel carrier and a vowel sign. Nasalization is indicated using a letter-like sign that is placed after a vowel sign. Consonant gemination is marked by a combining sign placed above a letter. Although letters are purely consonantal, a letter-like sign is often used optionally for indicating a bare consonant at the end of a word.

The script is structurally conjoining and is modelled upon Arabic. Letters join to adjacent letters at the baseline. In several hand-written and printed sources, the baseline between adjacent letters may not be completely connected. This is unintentional and is a result of casual hand writing or a limitation of font design. In texts printed using modern digitized fonts, the connections between letters are more consistently maintained.

Spacing is used for separating words. Latin and Arabic punctuation signs are commonly used for delimiting text segments, eg. periods, commas, colons, hyphens. The available sources do not show any specific linebreaking features, such as hyphens. An elongation feature similar to Arabic *kashida* is often used for justification.

### 3.2 Script name

The name 'Hanifi Rohingya' is assigned to the Unicode script block. This name has been selected because it precisely distinguishes the script from others that are used for writing Rohingya. Given that orthographies for Rohingya have been developed using other scripts, referring to the present script block using the bare name 'Rohingya' would present ambiguity.

### 3.3 Character names

Names for characters are based upon normalized Latin transliterations of Rohingya forms given in various script primers (see tables 1 and 2 for comparisons of names). In general, the proposed Unicode character names align with Latin names given for the majority of letters across the available Rohingya sources. In cases where there are multiple names for a character, an appropriate name has been chosen in consultation with the user community. Notes on the names for specific characters are given throughout the proposal.

For sake of brevity, the descriptor 'HANIFI ROHINGYA' is dropped when refering to Hanifi Rohingya characters, eg. HANIFI ROHINGYA LETTER A is referred to as A. Characters of other scripts are designated by their full Unicode names.

#### 3.4 Transliteration

The transliteration of Hanifi Rohingya used in this document is based upon the Rohingyalish, unless specified otherwise.

#### 3.5 Representative glyphs

The representative glyphs are derived from the "Rohingya Gonya Leyka Noories" typeface developed by Muhammad Noor. The glyphs are used with permission. Original glyphs have been modified and additional glyphs have been introduced by the proposal author.

### 4 Character Repertoire

The proposed repertoire for 'Hanifi Rohingya' contains 50 characters. There appears to be a one-to-one relationship between phonemes of the Rohingya language and the basic letters and vowel signs of the Hanifi Rohingya script (see figure 1). The encoded set may differ from traditional and scholarly inventories of script varieties that occur in written and inscriptional sources. Such differences naturally arise from the requirements for digitally representing a script in plain text and for preserving the semantics of characters.

#### 4.1 Basic letters

There are 28 letters, as shown below with positional forms:

	Character name	IPA	Join	Fin.	Med.	Init.
J	HANIFI ROHINGYA LETTER A	/Ø/	left			J
J	HANIFI ROHINGYA LETTER BA	/b/	dual	J	J	J
و	HANIFI ROHINGYA LETTER PA	/p/	dual	٩	٩	و
J	HANIFI ROHINGYA LETTER TA	/t/	dual	J	J	J
J	HANIFI ROHINGYA LETTER TTA	/t/	dual	J	L	J
J	HANIFI ROHINGYA LETTER JA	/J/	dual	٦	٦	٦
٦	HANIFI ROHINGYA LETTER CA	/c/	dual	r	r	٦
୬	HANIFI ROHINGYA LETTER HA	/h/	dual	ھ	ھ	ھ
ک	HANIFI ROHINGYA LETTER KHA	$/\mathbf{x}/$	dual	ک	ک	ک

ڧ	HANIFI ROHINGYA LETTER FA	/f/	dual	ف	ف	ڧ
د	HANIFI ROHINGYA LETTER DA	/d/	dual	د	د	د
ھ	HANIFI ROHINGYA LETTER DDA	/d/	dual	ھ	لط	ط
J	HANIFI ROHINGYA LETTER RA	/r/	dual	L	L	٦
த	HANIFI ROHINGYA LETTER RRA	/t/	dual	ط	b	த
l	HANIFI ROHINGYA LETTER ZA	/z/	dual	l	T	l
٩	HANIFI ROHINGYA LETTER SA	/s/	dual	٩	٩	٩
೨	HANIFI ROHINGYA LETTER SHA	/ʃ/	dual	ઝ	٩	ھ
ط	HANIFI ROHINGYA LETTER KA	/k/	dual	ط	لمل	ط
Ŀ	HANIFI ROHINGYA LETTER GA	/g/	dual	٩	ي	Ŀ
J	HANIFI ROHINGYA LETTER LA	/1/	dual	L	T	J
lo	HANIFI ROHINGYA LETTER MA	/m/	dual	la	ھ	S
ட	HANIFI ROHINGYA LETTER NA	/n/	dual	ക	அ	ெ
ع	HANIFI ROHINGYA LETTER WA	/w/, /v/	dual	٤	٤	ع
ๆ	HANIFI ROHINGYA LETTER KINNA WA	/u/	dual	এ	এ	ๆ
٢	HANIFI ROHINGYA LETTER YA	/j/	dual	Ľ	Ľ	٢
ب	HANIFI ROHINGYA LETTER KINNA YA	/i/	dual	ŕ	ŕ	ب
¥	HANIFI ROHINGYA LETTER NGA	/ŋ/	dual	¥	X	X
ጉ	HANIFI ROHINGYA LETTER NYA	/ɲ/	dual	ŗ	L	ጉ

Only the representative form of a letter is encoded (left column in the above). This form is identical to the isolated or independent shape of a letter. The positional forms will exist as glyphs in a font and will be substituted for the isolated letters by the shaping engine (see  $\S$  5.1).

Although consonant letters represent pure consonants, the character names follow the Unicode naming conventions for South Asian scripts derived from Brahmi. For instance, J is 'BA' not 'B'. This convention aligns with the transliterations for letters given in script charts and with the pronunciations of letter names in the Rohingya language. The letters J NGA and J NYA are also known as a a a and a a a a a a a b, respectively, and these names are specified as aliases in the names list.

#### 4.1.1 Notes on letters

J A In script charts, the letter J is given Latin names such as *a*, *aa*. However, it does not represent /5/ or /a/ nor does it have an independent value. It is a consonant placeholder modeled upon U+0627 ARABIC

LETTER ALEF and functions as a carrier for vowel signs for representing independent or word-initial vowels. Although it may be appropriate to assign the letter a name such as 'vowel carrier', it has been given the name 'A' because of user preference.

 $\bigcirc$  DA The  $\bigcirc$  is used in early materials for isolated and word-final forms of  $\bigcirc$  DA (see figures 5, 17). It inherently represents a bare consonant and cannot be followed by SAKIN. It is used in script charts (see figures 2, 5, 7) and in running text. However, as described in figure 3,  $\bigcirc$  was replaced by  $\bigcirc$  DA,  $\bigcirc$  SAKIN>, as seen in the charts in figures 6, 8, 9. This  $\bigcirc$  may be considered a glyphic variant of the ligature  $\bigcirc$  and may be represented by substituting the sequence  $\bigcirc$  DA,  $\bigcirc$  SAKIN> with a dedicated glyph in a font.

DDA The b is an older form of b DDA (see explanation in figures 3 and 4). It was revised into the present form in order to prevent confusion with other letters, ie. b RRA.

 $J_{LA}$  The letter  $J_{LA}$  has a stylized version J in which the terminal is curled (see figure 5). When used, this form of LA appears only in isolated and final positions (see figure 16).

 $\mathcal{L}$  MA This is the only letter whose shape changes significantly when it occurs in initial and medial positions. The vertical descender of  $\mathcal{L}$  MA is retained in the final and isolated forms.

ש אואא א The letter לאנא*a*, or "small *wa*", is used for representing diphthongs (see § 5.4).

ن KINNA YA The letter طيام *kinna ya*, or "small *ya*", is used for representing diphthongs (see § 5.4).

### 4.2 Additional letter

The following letter is also included in the repertoire, as shown below with positional forms:

	Character name	IPA	Join	Fin.	Med.	Init.
ۋ	HANIFI ROHINGYA LETTER VA	/v/	dual	ڨ	ڨ	ۋ

The letter  $\dot{\mathfrak{S}}$  was created by some users for representing /v/ in the transliteration of loanwords, eg. for English "van" (see figure 18). It was not used widely and its usage has been discontinued. The letter  $\mathfrak{S}$  was is now used for indicating both /w/ and /v/. Nonetheless, the letter va is encoded in order to represent existing documents that contain the letter. This letter has been added to the repertoire with approval of the user community.

### 4.3 Vowel signs

The following five vowel signs are used for representing basic vowel sounds (see § 5.3):

	Character name	Value	Join	Final	Medial	Initial
9	HANIFI ROHINGYA VOWEL SIGN A	/ɔ/, /a/	dual	ک	ک	و
٦	HANIFI ROHINGYA VOWEL SIGN I	/i/	dual	Ŷ	Ŷ	۲

J	HANIFI ROHINGYA VOWEL SIGN U	/u/	dual	л	x	J
٦	HANIFI ROHINGYA VOWEL SIGN E	/e/	dual	۴	ŕ	٦
L	HANIFI ROHINGYA VOWEL SIGN O	/0/	dual	L	L	L

Indigenous names for these signs are لمفعل *a-for*, البغعل *i-for*, البغعل *u-for*, المفعل *o-for*, in which المفعل *o-for*, in which *if or* means "sign". These names are specified as aliases in the names list. The script does not have dedicated signs for long vowels. Instead, length is indicated using tonal signs (see § 4.6). In valid orthography, vowel signs can only occur after a letter, and never in initial position. However, the isolated forms appear in script primers for purposes of illustration.

#### 4.4 Vowel silencer

Character name	Value	Join	Final	Medial	Initial
J HANIFI ROHINGYA S	AKIN —	right	L		

The sign SAKIN is used for indicating a bare consonant, usually when a letter is shown in isolation or after a letter at the end of a word (see § 5.2, and figure 16 for examples). The character name is based upon the Hanifi Rohingya spelling of the indigenous name: قصطيره sakin, also قصطيره sáakin. The sign SAKIN is similar in function to ° U+0652 ARABIC SUKUN. The SAKIN is a right-joining letter, and is only used after a letter in valid orthography. It is used in isolated contexts in script primers for purposes of illustration.

#### 4.5 Nasalization mark

	Character name	Value	Join	Final	Medial	Initial
j	HANIFI ROHINGYA NA KHONNA	/n/	dual	ڼ	ند	j

The sign NA KHONNA is used for indicating nasalization (see § 5.5). The character name is based upon the Hanifi Rohingya spelling of the indigenous name: المدكفام na khonna. In valid orthography, the NA KHONNA can only be used after a vowel sign or a tonal sign. Although it could theoretically be used in word-initial position, such usage does not reflect actual phenomena.

#### 4.6 Tonal signs

	Character	tone type
<b>ب</b>	HANIFI ROHINGYA SIGN HARBAY	short high tone
័	HANIFI ROHINGYA SIGN TELA	long rising tone
ॅ	HANIFI ROHINGYA SIGN TANA	long falling tone

These combining signs are used for representing tones (see § 5.3): The character names are based upon the Hanifi Rohingya spellings of the indigenous names: لمهمة لمن *tela*; لمهمة *tana*. In valid orthography these tonal signs can only combine with a vowel sign.

#### 4.7 Gemination sign

Character HANIFI ROHINGYA SIGN TOSSI

The sign tossi is used for indicating geminated (doubled) consonants (see § 5.6). The character name is based upon the Hanifi Rohingya spelling of the indigenous name: لعقر *tossi*. The sign is identical in function to " U+0651 ARABIC SHADDA. In valid orthography, the sign can only combine with a letter.

#### 4.8 Digits

There is a full set of decimal digits:

_	Character	Rohing	gya name	Value
0	HANIFI ROHINGYA DIGIT ZERO	ലേഷ്	shonno	0
I	HANIFI ROHINGYA DIGIT ONE	لبط	duy	1
ງ	HANIFI ROHINGYA DIGIT TWO	دىنلا	tin	2
2	HANIFI ROHINGYA DIGIT THREE	لېھ	chayr	3
0	HANIFI ROHINGYA DIGIT FOUR	لمصبك	fans	4
Ċ	HANIFI ROHINGYA DIGIT FIVE	فمنعد	ek	5
Ð	HANIFI ROHINGYA DIGIT SIX	فلا	só	6
Z	HANIFI ROHINGYA DIGIT SEVEN	همنالد	hánt	7
ю	HANIFI ROHINGYA DIGIT EIGHT	لمنعل	ansht	8
٩	HANIFI ROHINGYA DIGIT NINE	ക	no	9

# 5 Script Details

### 5.1 Shaping model

The shaping model for Rohingya is based upon that for Arabic. Each character is placed in the logical order in the input stream. For letters, the isolated form is substituted by the appropriate positional form. In the

examples below the 'input' column shows the input stream. The 'shaped glyphs' show the substitutions for each letter. The 'output' depicts the expected display.

Input $\rightarrow$	Shaped glyphs $\leftarrow$	Output ←
J ba, J ba, J ba	J+J+J	ມມ
Ь ка, Јта, Јва	$\mathbf{J} + \mathbf{L} + \mathbf{L}$	JIL
FA ف HA, J RA, ف FA	$\omega + c + \dot{c}$	مئف

In general, positional forms of letters are identical to their isolated shape. The difference is typographic: positional glyphs have edges at the baseline for facilitating connections.

The letter & MA differs from other letters because its isolated form is distinct from its initial form:

Input	Shaped glyphs	Output
$\rightarrow$	$\leftarrow$	<i>—</i>
to ma, to ma, to ma	a + a + a	lsss
9 SA, J LA, Co MA	L + L + S	ولما

There are sources in which the final form of  $\mathcal{L}_{MA}$  is rendered similar to the initial shape. Producing this form requires breaking regular shaping behavior using the generic control character [] U+200D ZERO WIDTH JOINER (abbreviated ZWJ). The ZWJ may be placed after MA to produce a final form without the ascender:

Input	Shaped glyphs	Output
$\rightarrow$	$\leftarrow$	$\leftarrow$
to ma, to ma	ta + s	lao
Co MA, Co MA, ZWJ ZWJ	ه + ه	مم

Only  $\mathcal{L}_{MA}$  has such distinctions in its positional forms. The zwJ should only affect this letter and it should be ignored if placed after other letters.

#### 5.2 Usage of the sign SAKIN

Although consonant letters represent pure consonants, the script has the sign  $\supset$  SAKIN for indicating the absence of a vowel sign. The sign occurs frequently in script charts for representing consonants in isolated contexts. It is also used commonly in running text at the end of a word (see figure 16).

bJ $\langle J \text{ BA}, J \text{ SAKIN} \rangle$ pJ $\langle J \text{ PA}, J \text{ SAKIN} \rangle$ tJ $\langle J \text{ TA}, J \text{ SAKIN} \rangle$ 

The SAKIN is placed after a letter in the input stream. The occurrence of SAKIN in word-initial position should be considered orthographically invalid.

Usage of SAKIN is optional, and highly dependently upon user preference. There are no formal conventions regarding its use. Even in script charts the usage of SAKIN is inconsistent. For example, the chart in figure 8 shows SAKIN written with every letter (except for MA), including JA. On the other hand, figures 5, 6, 7 show SAKIN used with only certain letters, which are enumerated below:

J	J	BA	کد	ک	КНА	æ	ھ	GA
ور	و	PA	فد	ڧ	FA	لد	J	LA
J	J	TA	در	ى	DA	گد	ع	WA
J	J	TTA	قد	೨	SA	گ	ๆ	KINNA WA
هد	ھ	НА	പാ	ධ	SHA	بد	ڊ	KINNA YA

The SAKIN was introduced by some users after the script was developed. Indeed, the chart showing the finalized script as approved by the committee led by Maulana Mohammad Hanif in 1980 does not show SAKIN with any letter (see figure 2), except possibly with  $\chi$  KINNA YA ( $\chi$ ).

#### 5.3 Representation of vowels

Independent and word-initial vowels are represented using the letter **J** A followed by a vowel sign:

	Display	Input $\rightarrow$
а	لم	J A, ک VOWEL SIGN A
i	لړ	J A, ب VOWEL SIGN I
и	لىد	J A, مد VOWEL SIGN U
е	با	ل A, بر VOWEL SIGN E
0	لد	J A, ك VOWEL SIGN O

Non-initial vowel signs are represented with consonants in the same manner as with  $\mathcal{J}_{A}$ :

	Display	Input $\rightarrow$
b	J	J BA
ba	لم	J ba, ک vowel sign a
bi	لړ	J ba, ب vowel sign i
bu	لىد	J ba, م vowel sign u
be	رب	J ba, بر vowel sign e
bo	L	J ba, & vowel sign o

Vowel length and stress are indicated using tonal signs. A tonal sign is placed after a vowel sign in the input stream. A short high tone is indicated using  $\ddot{s}$  SIGN HARBAY as follows:

	Display	Input $\rightarrow$
bá	لم	J ba, $\sim$ vowel sign a, $\stackrel{\flat}{\circ}$ sign harbay
bí	رې	J ba, ک vowel sign i, $\stackrel{{}_\circ}{\circ}$ sign harbay
bú	بت	J ba, $\omega$ vowel sign u, $\stackrel{\flat}{\circ}$ sign harbay
bé	بْ	J ba, الم vowel sign e, sign harbay
bó	لم	J ba, $\mathfrak{s}$ vowel sign o, $\stackrel{\flat}{\circ}$ sign harbay

A long rising tone is expressed using the  $\circ$  sign tela, as follows:

	Display	Input $\rightarrow$
baá	لمُ	J ba, $\sim$ vowel sign a, $\circ$ sign tela
bií	ۯڋ	J ba, $J$ vowel sign i, $\circ$ sign tela
buú	ŵ	J ba, $\omega$ vowel sign u, $\acute{\circ}$ sign tela
beé	بْ	ل ba, $z$ vowel sign e, $\circ$ sign tela
boó	بر	J ba, $\mathfrak{s}$ vowel sign 0, $\circ$ sign tela

A long falling tone is indicated using the  $\widetilde{\circ}$  SIGN tana, as follows:

	Display	Input $\rightarrow$
báa	لم	J ba, $\checkmark$ vowel sign a, $\tilde{\circ}$ sign tana
bíi	ũ	J ba, J vowel sign i, $\widetilde{\circ}$ sign tana
búu	ũ	J ba, J vowel sign u, $\widetilde{\circ}$ sign tana
bée	ĩ	J ba, $\mathfrak{z}$ vowel sign e, $\widetilde{\circ}$ sign tana
bóo	Ĩ	J ba, ${ m I}$ vowel sign 0, $ ightines$ sign tana

As is evident in the available sources, the placement of tonal signs may vary (see figure 15). The normative position is between the consonant and vowel sign. But, in some sources they appear above the vowel sign. Variation of placement may be considered a stylistic matter. Regardless of the position in the rendered output, in the in the input stream the tonal sign is to be placed after the vowel sign. The font should manage the proper positioning of the tonal signs.

Other stylistic issues regarding tonal signs include the size of the sign. The  $\tilde{\circ}$  sign tank may be elongated to span the letter and vowel sign, as shown below. This is also to be managed in the font.

	Display	Input $\rightarrow$
báa	لم	J ba, $\sim$ vowel sign a, $\tilde{\circ}$ sign tana
	تم	J ba, $\sim$ vowel sign a, $~~$ sign tana

Although script charts show vowel signs in isolation without the vowel-carrier letter J A, these cases simply illustrate the character and are not depictions of valid usage (see, for example, figure 5). In valid orthography each vowel sign must be preceded by a consonant base. Multiple vowel signs on a single base are not considered valid sequences.

		Display	Input $\rightarrow$
bae	correct	لملب	$J$ ba, $\checkmark$ vowel sign a, $J$ a, $\checkmark$ vowel sign e
	incorrect	لمد	J BA, م VOWEL SIGN A, ب VOWEL SIGN E
bao	correct	لمله	${\sf J}$ ba, ${\tt s}$ vowel sign a, ${\sf J}$ a, ${\tt s}$ vowel sign o
	incorrect	لصگ	J ba, $\sim$ vowel sign a, $\mathfrak{L}$ vowel sign o

### 5.4 Representation of diphthongs

The letters  $\cdot$  KINNA YA and  $\mathcal{I}$  KINNA WA are used for representing diphthongs. The KINNA YA 'small *ya*' represents a semi-vowel glide (/j/, /i/) and KINNA WA 'small *wa*' represents the glide (/w/, /u/). They are placed after vowel signs to indicate a diphthong.

	Display	Input $\rightarrow$
bai	لمب	J BA, ح VOWEL SIGN A, ب KINNA YA
bau	لمك	J ba, $\checkmark$ vowel sign a, ${\mathfrak I}$ kinna wa
bui	لىب	J ba, ب vowel sign u, ب kinna ya
bei	لېب	J ba, ب vowel sign e, ب kinna ya
boi	لعب	kinna ya ب Kinna ya
bou	II	${\sf J}$ ba, ${\sf B}$ vowel sign 0, ${\sf J}$ kinna wa

#### 5.5 Nasalization

The *J* NA KHONNA is used for indicating vowel nasalization:

	Display	Input $\rightarrow$
baṃ	لمد	J ba, $\sim$ vowel sign a, $j$ na khonna
baṃb	لمنل	J ba, $\sim$ vowel sign a, j na khonna, J ba
báaṃb	لمَنل	J ba, $\backsim$ vowel sign a, $\widetilde{\circ}$ sign tana, $\backsim$ vowel sign a, $j$ na khonna, J ba

### 5.6 Consonant gemination

In the input sequence the 5 sign tossi is placed after the letter to be marked as geminated, but before a vowel sign, SAKIN, or NA KHONNA:

	Display	Input $\rightarrow$
bba	ٽم	J ba, ö sign tossi, م vowel sign a
bbaṃ	ٿمن	J ba, $\overset{{}_{\!$
bb	تّد	J ba, ö sign tossi, j sakin
gga	ڡۨڡ	ی SIGN TOSSI, م VOWEL SIGN A
ggáa	۳ عص	د BA, Ö SIGN TOSSI, م vowel SIGN A, Ś SIGN TELA

In general, the sign TOSSI is centered above a letter, as shown above. However, its graphical placement may vary depending upon the glyphic attributes of the base letter. If the base letter has a high ascender, the TOSSI may be positioned to the left. In such cases, the TOSSI would occur in the same position where a tonal sign would be placed. When both TOSSI and a tonal sign are present, the TOSSI is placed first and the tonal sign to its left. The logical input order does not change.

		tossi pos.	Display	Input $\rightarrow$
_	bbáa	above	ڵؙۄ	J BA, $\ddot{\circ}$ SIGN TOSSI, $\sim$ VOWEL SIGN A, $\dot{\circ}$ SIGN TELA
		left	ؿ	J ba, $\ddot{\circ}$ sign tossi, $\sim$ vowel sign a, $\dot{\circ}$ sign tela

#### 5.7 Digits

As in Arabic, digits in the Hanifi Rohingya are written from left to right:

	Display	Input $\rightarrow$
01234	ดเจอต	0 zero, I one, 9 two, δ three, 0 four
56789	୯Მଅ୭୩	$oldsymbol{arphi}$ five $oldsymbol{\partial}$ six, $oldsymbol{\mathcal{Z}}$ seven, $oldsymbol{arphi}$ eight, $oldsymbol{arphi}$ nine

The Arabic style • U+0660 ARABIC DIGIT ZERO is attested as a glyphic variant for 0 ZERO.

#### 5.8 Punctuation

There is no script-specific punctuation. The following characters are commonly used for delimiting various text boundaries (see figure 26):

- 4 U+060C ARABIC COMMA
- 5 U+061F ARABIC SEMICOLON
- 9 U+061F ARABIC QUESTION MARK
- . U+06D4 ARABIC FULL STOP

The available sources show some unconventional usage of ، U+060C ARABIC COMMA. For instance, figure 13 illustrates repetitions of U+060C ARABIC COMMA for indicating quotes, eg. , , , , (= "ya"). The last line of figure 17 shows another use of ARABIC COMMA for quotations in , Latter (= 'Borma').

The above marks of punctuation should be extended for use with Hanifi Rohingya. Common marks of punctuation include:

- . U+002E FULL STOP
- « U+00AB LEFT-POINTING DOUBLE ANGLE QUOTATION MARK
- » U+00BB RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK

Rounded forms of these guillemets are shown in figure 15, in the heading: «٬» الماك لينك «٬» الماك الم

Both . U+06D4 ARABIC FULL STOP and the regular . U+002E FULL STOP are used commonly. In writing, the width of the full stop may vary from a dot to a dash.

#### 5.9 Elongation

Elongation of the baseline connection between letters is commonly used in Hanifi Rohingya for justification and other spacing-filling purposes (see figure 14). This elongation is similar to the *tatweel* in Arabic. This feature can be implementing in Rohingya by using the \_ U+0640 ARABIC TATWEEL. The ARABIC TATWEEL can be placed after any letter, vowel sign, or NA KHONNA in any position within a word. The elongation should not break across the end of a line.

لمل	$<$ J ba, $\square$ vowel sign a, J ba $>$
تمـت	$<$ J ba, $\square$ vowel sign a, . Arabic tatweel, J ba $>$
لمل	$<$ J ba, _ arabic tatweel, $\sim$ vowel sign a, J ba>
لمـل	$<$ J ba, $\square$ vowel sign a, . Arabic tatweel, J ba, . Arabic tatweel>

#### 5.10 Collation

The sort order for Hanifi Rohingya is as follows:

# 6 Character data

#### 6.1 Unicode Character Data

<pre>10D00; HANIFI ROHINGYA LETTER A,Lo,0;AL;;;;N;;;; 10D02; HANIFI ROHINGYA LETTER TA,Lo;0;AL;;;N;;;; 10D03; HANIFI ROHINGYA LETTER TA,Lo;0;AL;;;N;;;; 10D04; HANIFI ROHINGYA LETTER TA,Lo;0;AL;;;N;;;; 10D05; HANIFI ROHINGYA LETTER TA,Lo;0;AL;;;N;;;; 10D06; HANIFI ROHINGYA LETTER HA;Lo;0;AL;;;N;;;; 10D07; HANIFI ROHINGYA LETTER HA;Lo;0;AL;;;N;;;; 10D07; HANIFI ROHINGYA LETTER HA;Lo;0;AL;;;N;;;; 10D09; HANIFI ROHINGYA LETTER HA;Lo;0;AL;;;N;;;; 10D00; HANIFI ROHINGYA LETTER HA;Lo;0;AL;;;N;;;; 10D00; HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;N;;;; 10D00; HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D10; HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D10; HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D1; HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D1; HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D1; HANIFI ROHINGYA LETTER A;Lo;0;AL;;;N;;;; 10D1; HANIFI ROHINGYA LETTER A;Lo;0;AL;;;N;;;; 10D1; HANIFI ROHINGYA LETTER A;Lo;0;AL;;;N;;;; 10D1; HANIFI ROHINGYA LETTER A;Lo;0;AL;;;N;;;; 10D1; HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D1; HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D1; HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D1; HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D1; HANIFI ROHINGYA VOWEL SIGN J;Lo;0;AL;;;N;;;; 10D1; HANIFI ROHINGYA VOWEL SIGN J;Lo;0;AL;;;N;;;; 10D2; HANIFI ROHINGYA VOWEL SIGN J;Lo;0;AL;;;N;;;; 10D2; HANIFI ROHINGYA VOWEL SIGN J;Lo;0;AL;;;N;;;; 10D2; HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D2; HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D2; HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D2; HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D3; HANIFI ROHINGYA DIGIT TWO;N;0;AN;;;N;;;; 10D3; HANIFI ROHINGYA DIGIT TWO;</pre>			
<pre>10D02;HANIFI ROHINGYA LETTER PA;Lo;0;AL;;;;N;;;; 10D03;HANIFI ROHINGYA LETTER TA;Lo;0;AL;;;N;;;; 10D05;HANIFI ROHINGYA LETTER TA;Lo;0;AL;;;N;;;; 10D05;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D07;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D07;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D08;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;N;;;; 10D02;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;N;;;; 10D02;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;N;;;; 10D02;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;N;;;; 10D02;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D02;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D02;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D02;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D13;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D15;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D15;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D15;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN I,Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA NOWEL SIGN I,Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA NOWEL SIGN I,Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA NOWEL SIGN I,Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA NIGH TENA;N;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TENA;M;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TANA;M;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TANA;M;230;NSM;;;N;;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;1;1;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;5;5;N;;;; 10D3</pre>			
<pre>10D03;HANIFI ROHINGYA LETTER TA;Lo;0;AL;;;;N;;;; 10D04;HANIFI ROHINGYA LETTER TA;Lo;0;AL;;;;N;;;; 10D05;HANIFI ROHINGYA LETTER TA;Lo;0;AL;;;;N;;;; 10D06;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER KHA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER KHA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D11;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D13;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D13;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D14;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D15;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D18;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D18;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN J;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN J;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA VOWEL SIGN J;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;NA;0;AN;;6;6;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;N</pre>			
<pre>10D04;HANIFI ROHINGYA LETTER TTA;Lo;0;AL;;;;N;;;; 10D05;HANIFI ROHINGYA LETTER JA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER KHA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER KHA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D13;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D14;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D17;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;;; 10D2;HANIFI ROHINGYA NOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;M;230;NSM;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;M;230;NSM;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;M;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;M;230;NSM;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;M;230;NSM;;;;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;NA;0;AN;;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;NA;0;AN;;1;1;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;NA;0;AN;;5;5;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;NA;0;AN;;5;5;N;;;; 10D3;</pre>			
<pre>10D05;HANIFI ROHINGYA LETTER JA;Lo;0;AL;;;;N;;;; 10D06;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;;N;;;; 10D07;HANIFI ROHINGYA LETTER HA;Lo;0;AL;;;;N;;;; 10D08;HANIFI ROHINGYA LETTER HA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D11;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;;N;;;; 10D13;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D14;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D15;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA SIGN TANA;Mc;230;NSM;;;N;;;; 10D22;HANIFI ROHINGYA SIGN TANA;Mc;230;NSM;;;N;;;; 10D23;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;AN;;;; 10D33;HANIFI ROHINGYA DIGIT TWC;Nd;0;AN;;55;5;N;;;; 1</pre>			
<pre>10D06;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;;N;;;; 10D07;HANIFI ROHINGYA LETTER HA;Lo;0;AL;;;;N;;;; 10D09;HANIFI ROHINGYA LETTER KHA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D01;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D13;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D14;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D15;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D15;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D14;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D14;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D14;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D14;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN J;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN J;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN J;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA SIGN TEA;Mn;230;NSM;;;N;;;; 10D22;HANIFI ROHINGYA SIGN TEA;Mn;230;NSM;;;N;;;; 10D22;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D23;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D23;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D23;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;5;5;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;5;5;N;;;; 10D33;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;N;;;; 10D33;HANI</pre>			
<pre>10D07;HANIFI ROHINGYA LETTER HA;Lo;0;AL;;;;N;;;; 10D08;HANIFI ROHINGYA LETTER KHA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D11;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;N;;;; 10D13;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D14;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D15;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D10;HANIFI ROHINGYA VOWEL SIGN JLO;0;AL;;;;N;;;; 10D10;HANIFI ROHINGYA VOWEL SIGN JLO;0;AL;;;;N;;;; 10D10;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D2;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TANA;M;230;NSM;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TANA;M;230;NSM;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TANA;M;230;NSM;;;;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;7;7;N;;;; 10D3;HANIFI ROHINGYA DIGIT FUC;Nd;0;AN;;0;7;7;N;;;; 10D3;HANIFI ROHINGYA DIGIT FUC;Nd;0;AN;;0;8;8;N;;</pre>	10D05;HANIFI		
<pre>10D08;HANIFI ROHINGYA LETTER KHA;Lo;0;AL;;;;N;;;; 10D09;HANIFI ROHINGYA LETTER FA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER ZA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D11;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D12,HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D12,HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;;N;;;; 10D12,HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D14;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D15;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D15;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D17;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER KINNA YA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER KINNA YA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN 1;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN 1;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN 1;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN 1;Lo;0;AL;;;;N;;;; 10D21;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA SIGN TEAA;Mn;230;NSM;;;N;;;; 10D23;HANIFI ROHINGYA SIGN TEAA;Mn;230;NSM;;;N;;;; 10D24;HANIFI ROHINGYA SIGN TARA;Mn;230;NSM;;;N;;;; 10D24;HANIFI ROHINGYA SIGN TARA;Mn;230;NSM;;;N;;;; 10D24;HANIFI ROHINGYA SIGN TARA;Mn;230;NSM;;;N;;;; 10D24;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D3;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;55;5;N;;;; 10D3;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;66;6;N;;;; 10D3;HANIFI ROHINGYA DIGIT FUYE,Nd;0;AN;;6;6;N;;;; 10D3;</pre>	10D06;HANIFI	ROHINGYA	LETTER CA;Lo;0;AL;;;;;N;;;;;
<pre>10D09;HANIFI ROHINGYA LETTER FA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;N;;;; 10D00;HANIFI ROHINGYA LETTER ZA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D11;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER KA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER KA;Lo;0;AL;;;;N;;;; 10D13;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D13;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;N;;;; 10D18;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D18;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D18;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;;N;;;; 10D21;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D23;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D24;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D3;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT FUC;Nd;0;AN;;0;A;4;4;N;;;; 10D36;HANIFI ROHINGYA DIGIT FUCY,Nd;0;AN;;0;A;4;4;N;;;; 10D36;HANIFI ROHINGYA DIGI</pre>	10D07;HANIFI		
<pre>10D0A;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D0B;HANIFI ROHINGYA LETTER DA;Lo;0;AL;;;;N;;;; 10D0D;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D0D;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;N;;;; 10D0F;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D11;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;N;;;; 10D13;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;N;;;; 10D13;HANIFI ROHINGYA LETTER LA;Lo;0;AL;;;N;;;; 10D15;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D17;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN 1;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN 1;Lo;0;AL;;;;N;;;; 10D2;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D2;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D2;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;5;5;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;6;6;6;N;;;; 10D3;HANIFI ROHINGYA DIGIT FUE;Nd;0;AN;;6;6;6;N;;;; 10D3;HANIFI ROHINGYA DIGIT FUE;Nd;0;AN;;6;7,7;N;;;; 10D3;HANIFI ROHINGYA DIGIT FUEN;Nd;0;AN;;6;7,7;N;;;; 10D3;HANIFI ROHINGYA DIGIT FUEN;Nd;0;AN;;6;6;</pre>	10D08;HANIFI		
<pre>10D0B;HANIFI ROHINGYA LETTER DDA;Lo;0;AL;;;;N;;;; 10D0C;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D0D;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D0C;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;N;;;; 10D13;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D14;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D18;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA SIGN HARBAY,Mn;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D3;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D3;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D3;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;0;00;0,N;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;0;0,N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;5;5;N;;;; 10D3;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;N;;;; 10D3;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;;; 10D3;HANIF</pre>	10D09;HANIFI		
<pre>10D0C;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D0D;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D0E;HANIFI ROHINGYA LETTER RA;Lo;0;AL;;;;N;;;; 10D0E;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D1;HANIFI ROHINGYA LETTER SHA;Lo;0;AL;;;;N;;;; 10D1;HANIFI ROHINGYA LETTER KA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA VOWEL SIGN L;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA VOWEL SIGN L;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA VOWEL SIGN L;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D3;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D3;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D3;HANIFI ROHINGYA DIGIT TER;Nd;0;AN;;3;3;N;;;; 10D3;HANIFI ROHINGYA DIGIT TER;Nd;0;AN;;3;3;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;A;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;A;N;;;; 10D3;HANIFI ROHINGYA DIGIT THRE;Nd;0;AN;;5;5;N;;;; 10D3;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;N;;;; 10D3;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;6;6;6;N;;;; 10D3;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;6;6;6;N;;;; 10D3;HANIFI ROHINGYA</pre>	10D0A;HANIFI		
<pre>10D0D;HANIFI ROHINGYA LETTER RRA;Lo;0;AL;;;;N;;;; 10D0E;HANIFI ROHINGYA LETTER ZA;Lo;0;AL;;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D1;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA NOWEL SIGN C;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA NOWEL SIGN C;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA NOWEL SIGN C;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA NOWEL SIGN C;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA NGWEL SIGN C;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA NGWEL SIGN C;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA NA KHONA;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;0;0;N;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;7;7;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;7;7;N;;;; 10D3;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;N;;;; 10D3;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;N;;;; 10D3;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;N;;;;; 10D3;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;N;;;;; 10D3;HANIFI ROHINGYA DIGI</pre>	•	ROHINGYA	LETTER DDA;Lo;0;AL;;;;;N;;;;;
<pre>10D0E;HANIFI ROHINGYA LETTER ZA;Lo;0;AL;;;;N;;;; 10D0F;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;N;;;; 10D13;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;N;;;; 10D14;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D15;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D19;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D19;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN 1;Lo;0;AL;;;N;;;; 10D1;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;N;;;; 10D2;HANIFI ROHINGYA SAKIN;Lo;0;AL;;;N;;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TEA;Mn;230;NSM;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D3;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D3;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D3;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;5;5;N;;;;; 10D3;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;6;6;6;N;;;; 10D3;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;6;6;6;N;;;; 1</pre>	10D0C;HANIFI		
<pre>10D0F;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D10;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D11;HANIFI ROHINGYA LETTER SA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER KA;Lo;0;AL;;;N;;;; 10D13;HANIFI ROHINGYA LETTER CA;Lo;0;AL;;;N;;;; 10D15;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D17;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D17;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;N;;;; 10D1F;HANIFI ROHINGYA VOWEL SIGN 1;Lo;0;AL;;;;N;;;; 10D1F;HANIFI ROHINGYA VOWEL SIGN 1;Lo;0;AL;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D24;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D3;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;5;5;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;5;5;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;6;6;6;N;;;; 10D3;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;6;6;6;N;;;; 10D3;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;6;6;6;N;;;; 10D3;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;6;8;8;N;;;;</pre>	10D0D;HANIFI		
<pre>10D10;HANIFI ROHINGYA LETTER SHA;Lo;0;AL;;;;N;;;; 10D11;HANIFI ROHINGYA LETTER KA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;;N;;;; 10D13;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;;N;;;; 10D14;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D15;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER WA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN 1;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D23;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D23;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;;N;;;; 10D2;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;;N;;;; 10D3;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D3;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;0;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;0;0;0;N;;;; 10D3;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D3;HANIFI ROHINGYA DIGIT THRE;Nd;0;AN;;3;3;N;;;; 10D3;HANIFI ROHINGYA DIGIT THRE;Nd;0;AN;;3;3;N;;;; 10D3;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;5;5;5;N;;;; 10D3;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D3;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D3;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D3;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;8;8;N;;;; 10D3;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;8;8;N;;;;</pre>	10D0E;HANIFI		
<pre>10D11;HANIFI ROHINGYA LETTER KA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;;N;;;; 10D13;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;;N;;;; 10D14;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D15;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA LETTER WA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;N;;;; 10D19;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;N;;;; 10D19;HANIFI ROHINGYA LETTER KINNA YA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D1C;HANIFI ROHINGYA VOWEL SIGN X,Lo;0;AL;;;N;;;; 10D1C;HANIFI ROHINGYA VOWEL SIGN U,Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN U,Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN O,Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;; 10D24;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D24;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D30;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZER0;Nd;0;AN;;1;1;1;N;;;; 10D31;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D34;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D34;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D34;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D34;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FUVE;Nd;0;AN;;6;6;6;0;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D38;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;8;8;N;;;;;</pre>	10D0F;HANIFI		
<pre>10D12;HANIFI ROHINGYA LETTER GA;Lo;0;AL;;;;N;;;; 10D13;HANIFI ROHINGYA LETTER LA;Lo;0;AL;;;;N;;;; 10D14;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D15;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER WA;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D18;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D18;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;N;;;; 10D18;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D10;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;N;;;; 10D21;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D33;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;4;4;4;N;;;; 10D33;HA</pre>	10D10;HANIFI		
<pre>10D13;HANIFI ROHINGYA LETTER LA;Lo;0;AL;;;;N;;;; 10D14;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D15;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER WA;Lo;0;AL;;;;N;;;; 10D17;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER NINA YA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NINA YA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;N;;;; 10D12;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;N;;;; 10D16;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;N;;;; 10D17;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA NA KHONNA;LO;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;5;5;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;5;5;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;8;8;8;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;8;8;8;N;;;; 10D33;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;6;6;6;N;;;; 10D33;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;3;8;8;8;N;;;;</pre>	10D11;HANIFI	ROHINGYA	LETTER KA;Lo;0;AL;;;;;N;;;;;
<pre>10D14;HANIFI ROHINGYA LETTER MA;Lo;0;AL;;;;N;;;; 10D15;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER WA;Lo;0;AL;;;;N;;;; 10D17;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER KINNA YA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN O;Lo;0;AL;;;;N;;;; 10D21;HANIFI ROHINGYA VOWEL SIGN O;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN O;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;;N;;;; 10D23;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;8;8;N;;;;;</pre>	10D12;HANIFI		
<pre>10D15;HANIFI ROHINGYA LETTER NA;Lo;0;AL;;;;N;;;; 10D16;HANIFI ROHINGYA LETTER WA;Lo;0;AL;;;;N;;;; 10D17;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER YA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;N;;;; 10D1C;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;N;;;; 10D1C;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;N;;;; 10D1F;HANIFI ROHINGYA VOWEL SIGN L;Lo;0;AL;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;;; 10D24;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT THRE;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THRE;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THRE;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THRE;Nd;0;AN;;2;5;N;;;; 10D33;HANIFI ROHINGYA DIGIT FUE;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT FUE;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THRE;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THRE;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THRE;Nd;0;AN;;2;2;N;;;; 10D36;HANIFI ROHINGYA DIGIT FUE;Nd;0;AN;;2;5;N;;;;; 10D36;HANIFI ROHINGYA DIGIT FUE;Nd;0;AN;;2;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;7;7;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;8;8;8;N;;;;;</pre>	10D13;HANIFI	ROHINGYA	LETTER LA;Lo;0;AL;;;;;N;;;;;
<pre>10D16;HANIFI ROHINGYA LETTER WA;Lo;0;AL;;;;N;;;; 10D17;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER YA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER KINNA YA;Lo;0;AL;;;;N;;;; 10D12;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;;N;;;; 10D1F;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D1F;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;;N;;;; 10D24;HANIFI ROHINGYA SIGN TALA;Mn;230;NSM;;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TALA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZER0;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;N;;;; 10D34;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;4;4;4;N;;;; 10D36;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;6;6;6;N;;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;;; 10D37;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D36;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;6;8;8;8;N;;;;;</pre>	10D14;HANIFI	ROHINGYA	LETTER MA;Lo;0;AL;;;;;N;;;;;
<pre>10D17;HANIFI ROHINGYA LETTER KINNA WA;Lo;0;AL;;;;N;;;; 10D18;HANIFI ROHINGYA LETTER YA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER KINNA YA;Lo;0;AL;;;;N;;;; 10D1A;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D1B;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;;N;;;; 10D1F;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D21;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;N;;;; 10D34;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;N;;;; 10D34;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT TINC;Nd;0;AN;;6;6;6;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;8;8;8;N;;;;</pre>	10D15;HANIFI		
<pre>10D18;HANIFI ROHINGYA LETTER YA;Lo;0;AL;;;;N;;;; 10D19;HANIFI ROHINGYA LETTER KINNA YA;Lo;0;AL;;;;N;;;; 10D1A;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D1B;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1D;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;;N;;;; 10D1E;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D1F;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN O;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN O;Lo;0;AL;;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;;N;;;; 10D24;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;0;0;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT FVE;Nd;0;AN;;3;3;3;N;;;; 10D35;HANIFI ROHINGYA DIGIT FVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;8;8;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;6;8;8;N;;;;</pre>	10D16;HANIFI		
<pre>10D19;HANIFI ROHINGYA LETTER KINNA YA;Lo;0;AL;;;;N;;;; 10D1A;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D1B;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1D;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;;N;;;; 10D1E;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D1F;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D21;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN O;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN O;Lo;0;AL;;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;;N;;;; 10D24;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;0;0;0;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT FVE;Nd;0;AN;;3;3;3;N;;;; 10D35;HANIFI ROHINGYA DIGIT FVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;6;8;8;N;;;; 10D37;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>	10D17;HANIFI		
<pre>10D1A;HANIFI ROHINGYA LETTER NGA;Lo;0;AL;;;;N;;;; 10D1B;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;;N;;;; 10D1F;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;;N;;;; 10D21;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;; 10D23;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D34;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;5;5;N;;;;; 10D35;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;6;6;6;N;;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;;; 10D37;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;7;7;7;N;;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;6;8;8;8;N;;;;;</pre>	10D18;HANIFI	ROHINGYA	LETTER YA;Lo;0;AL;;;;;N;;;;;
<pre>10D1B;HANIFI ROHINGYA LETTER NYA;Lo;0;AL;;;;N;;;; 10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1D;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;N;;;; 10D1E;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;; 10D24;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;; 10D25;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZER0;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;5;5;5;N;;;; 10D35;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;6;6;6;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;7;7;7;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;6;7;7;7;N;;;; 10D37;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>	10D19;HANIFI	ROHINGYA	LETTER KINNA YA;Lo;0;AL;;;;;N;;;;;
<pre>10D1C;HANIFI ROHINGYA LETTER VA;Lo;0;AL;;;;N;;;; 10D1D;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;;N;;;; 10D1E;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D1F;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN E;Lo;0;AL;;;N;;;; 10D21;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;; 10D24;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;; 10D25;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZER0;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;7;7;7;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;8;8;8;N;;;;</pre>	10D1A;HANIFI	ROHINGYA	LETTER NGA;Lo;0;AL;;;;;N;;;;;
<pre>10D1D;HANIFI ROHINGYA VOWEL SIGN A;Lo;0;AL;;;;N;;;; 10D1E;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D1F;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN C;Lo;0;AL;;;;N;;;; 10D21;HANIFI ROHINGYA VOWEL SIGN O;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA SAKIN;Lo;0;AL;;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;;N;;;; 10D24;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA DIGIT ZER0;Nd;0;AN;;0;0;0;N;;;; 10D30;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D31;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;8;8;8;N;;;;;</pre>	10D1B;HANIFI	ROHINGYA	LETTER NYA;Lo;0;AL;;;;;N;;;;;
<pre>10D1E;HANIFI ROHINGYA VOWEL SIGN I;Lo;0;AL;;;;N;;;; 10D1F;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN E;Lo;0;AL;;;;N;;;; 10D21;HANIFI ROHINGYA VOWEL SIGN O;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA SAKIN;Lo;0;AL;;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;;N;;;; 10D24;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;;N;;;; 10D25;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZER0;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;1;1;1;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;4;4;4;N;;;; 10D34;HANIFI ROHINGYA DIGIT FUVE;Nd;0;AN;;5;5;5;N;;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;7;7;7;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>	10D1C;HANIFI		
<pre>10D1F;HANIFI ROHINGYA VOWEL SIGN U;Lo;0;AL;;;;N;;;; 10D20;HANIFI ROHINGYA VOWEL SIGN E;Lo;0;AL;;;;N;;;; 10D21;HANIFI ROHINGYA VOWEL SIGN O;Lo;0;AL;;;N;;;; 10D22;HANIFI ROHINGYA SAKIN;Lo;0;AL;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;N;;;;N;;;; 10D24;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;1;1;1;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;5;N;;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;;</pre>	10D1D;HANIFI	ROHINGYA	VOWEL SIGN A;Lo;0;AL;;;;;N;;;;;
<pre>10D20;HANIFI ROHINGYA VOWEL SIGN E;Lo;0;AL;;;;N;;;; 10D21;HANIFI ROHINGYA VOWEL SIGN O;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA SAKIN;Lo;0;AL;;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;;N;;;; 10D24;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;0;0;0;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>	10D1E;HANIFI	ROHINGYA	VOWEL SIGN I;Lo;0;AL;;;;;N;;;;;
<pre>10D21;HANIFI ROHINGYA VOWEL SIGN 0;Lo;0;AL;;;;N;;;; 10D22;HANIFI ROHINGYA SAKIN;Lo;0;AL;;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;;N;;;; 10D24;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZER0;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;0;0;0;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D37;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>	10D1F;HANIFI		
<pre>10D22;HANIFI ROHINGYA SAKIN;Lo;0;AL;;;;N;;;; 10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;;N;;;; 10D24;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;1;1;1;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>			
<pre>10D23;HANIFI ROHINGYA NA KHONNA;Lo;0;AL;;;;N;;;; 10D24;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZER0;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;0;0;0;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;3;N;;;; 10D35;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D37;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>		ROHINGYA	VOWEL SIGN 0;Lo;0;AL;;;;;N;;;;;
<pre>10D24;HANIFI ROHINGYA SIGN HARBAY;Mn;230;NSM;;;;N;;;; 10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;1;1;1;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>			
<pre>10D25;HANIFI ROHINGYA SIGN TELA;Mn;230;NSM;;;;N;;;; 10D26;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;1;1;1;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>			
<pre>10D26;HANIFI ROHINGYA SIGN TANA;Mn;230;NSM;;;;N;;;; 10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;1;1;1;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D37;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>			
<pre>10D27;HANIFI ROHINGYA SIGN TOSSI;Mn;230;NSM;;;;N;;;; 10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;; 10D31;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;1;1;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>			
<pre>10D30;HANIFI ROHINGYA DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;;; 10D31;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;1;1;1;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>			
<pre>10D31;HANIFI ROHINGYA DIGIT ONE;Nd;0;AN;;1;1;1;N;;;; 10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;N;;;;; 10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>			
10D32;HANIFI ROHINGYA DIGIT TWO;Nd;0;AN;;2;2;2;N;;;; 10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;4;4;4;N;;; 10D35;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;		ROHINGYA	<pre>DIGIT ZERO;Nd;0;AN;;0;0;0;N;;;;;</pre>
<pre>10D33;HANIFI ROHINGYA DIGIT THREE;Nd;0;AN;;3;3;3;N;;;; 10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;5;N;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;</pre>	•		
<pre>10D34;HANIFI ROHINGYA DIGIT FOUR;Nd;0;AN;;4;4;4;N;;;; 10D35;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;5;N;;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;;</pre>			
<pre>10D35;HANIFI ROHINGYA DIGIT FIVE;Nd;0;AN;;5;5;5;N;;;;; 10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;;</pre>			
10D36;HANIFI ROHINGYA DIGIT SIX;Nd;0;AN;;6;6;6;N;;;;; 10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;;			
10D37;HANIFI ROHINGYA DIGIT SEVEN;Nd;0;AN;;7;7;7;N;;;;; 10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;;			
10D38;HANIFI ROHINGYA DIGIT EIGHT;Nd;0;AN;;8;8;8;N;;;;;			
<pre>lud39;Hanifi ROHINGYA DIGIT NINE;Nd;0;AN;;9;9;9;N;;;;;</pre>			
	10D39;HANIFI	ROHINGYA	<pre>DIGIT NINE;Nd;0;AN;;9;9;9;N;;;;;</pre>

### 6.2 Linebreaking

10D00..10D1C;AL # Lo [29] HANIFI ROHINGYA LETTER A..HANIFI ROHINGYA LETTER VA

10D1D..10D21;BA # Lo [21] HANIFI ROHINGYA VOWEL SIGN A..HANIFI ROHINGYA VOWEL SIGN O 10D22..10D23;AL # Lo [2] HANIFI ROHINGYA SAKIN..HANIFI ROHINGYA NA KHONNA 10D24..10D27;CM # Mn [4] HANIFI ROHINGYA SIGN HARBAY..HANIFI ROHINGYA SIGN TOSSI 10D30..10D31;NU # Nd [10] HANIFI ROHINGYA DIGIT ZERO..HANIFI ROHINGYA DIGIT NINE

#### 6.3 Arabic Shaping Data

10D00; HANIFI ROHINGYA A; L; HANIFI ROHINGYA A 10D01; HANIFI ROHINGYA BA; D; HANIFI ROHINGYA BA 10D02; HANIFI ROHINGYA PA; D; HANIFI ROHINGYA PA 10D03; HANIFI ROHINGYA TA; D; HANIFI ROHINGYA TA 10D04; HANIFI ROHINGYA TTA; D; HANIFI ROHINGYA TTA 10D05; HANIFI ROHINGYA JA; D; HANIFI ROHINGYA JA 10D06; HANIFI ROHINGYA CA; D; HANIFI ROHINGYA CA 10D07; HANIFI ROHINGYA HA; D; HANIFI ROHINGYA HA 10D08; HANIFI ROHINGYA KHA; D; HANIFI ROHINGYA KHA 10D09; HANIFI ROHINGYA PA WITH DOT ABOVE; D; HANIFI ROHINGYA PA 10D0A; HANIFI ROHINGYA DA; D; HANIFI ROHINGYA DA 10D0B; HANIFI ROHINGYA DDA; D; HANIFI ROHINGYA DDA 10D0C; HANIFI ROHINGYA RA; D; HANIFI ROHINGYA RA 10D0D; HANIFI ROHINGYA RRA; D; HANIFI ROHINGYA RRA 10D0E; HANIFI ROHINGYA ZA; D; HANIFI ROHINGYA ZA 10D0F; HANIFI ROHINGYA SA; D; HANIFI ROHINGYA SA 10D10; HANIFI ROHINGYA SHA; D; HANIFI ROHINGYA SHA 10D11; HANIFI ROHINGYA KA; D; HANIFI ROHINGYA KA 10D12; HANIFI ROHINGYA GA; D; HANIFI ROHINGYA GA 10D13; HANIFI ROHINGYA LA; D; HANIFI ROHINGYA LA 10D14; HANIFI ROHINGYA MA; D; HANIFI ROHINGYA MA 10D15; HANIFI ROHINGYA NA; D; HANIFI ROHINGYA NA 10D16; HANIFI ROHINGYA WA; D; HANIFI ROHINGYA WA 10D17; HANIFI ROHINGYA KINNA WA; D; HANIFI ROHINGYA KINNA WA 10D18; HANIFI ROHINGYA YA; D; HANIFI ROHINGYA YA 10D19; HANIFI ROHINGYA KINNA YA; D; HANIFI ROHINGYA KINNA YA 10D1A; HANIFI ROHINGYA NGA; D; HANIFI ROHINGYA NGA 10D1B; HANIFI ROHINGYA NYA; D; HANIFI ROHINGYA NYA 10D1C; HANIFI ROHINGYA PA WITH THREE DOTS ABOVE; D; HANIFI ROHINGYA PA 10D1D; HANIFI ROHINGYA VOWEL SIGN A; D; HANIFI ROHINGYA VOWEL SIGN A 10D1E; HANIFI ROHINGYA DOTLESS KINNA YA WITH RIGHT-FACING HOOK BELOW; D; HANIFI ROHINGYA KINNA YA 10D1F; HANIFI ROHINGYA VOWEL SIGN U; D; HANIFI ROHINGYA VOWEL SIGN U 10D20; HANIFI ROHINGYA DOTLESS KINNA YA WITH LEFT-FACING HOOK BELOW; D; HANIFI ROHINGYA KINNA YA 10D21; HANIFI ROHINGYA VOWEL SIGN O; D; HANIFI ROHINGYA VOWEL SIGN O 10D22; HANIFI ROHINGYA SAKIN; R; HANIFI ROHINGYA SAKIN 10D23; HANIFI ROHINGYA DOTLESS KINNNA YA WITH DOT ABOVE; D; HANIFI ROHINGYA KINNA YA

#### 6.4 Script Extensions

The following characters should be extended for usage in Rohingya:

0640 ; # Lm ARABIC TATWEEL 060C ; # Po ARABIC COMMA 061B ; # Po ARABIC SEMICOLON 061F ; # Po ARABIC QUESTION MARK 06D4 ; # Po ARABIC FULL STOP

#### 6.5 'Confusable' Characters

Some Rohingya letters resemble those found of Arabic. Attention to these 'confusables' is particularly important because Arabic is commonly used in Rohingya documents.

10D03 HANIFI ROHINGYA LETTER PA	;	0648 ARABIC LETTER WAW
10D07 HANIFI ROHINGYA LETTER HA	;	06BE ARABIC LETTER HEH DOACHASHMEE
10D08 HANIFI ROHINGYA LETTER KHA	;	06A9 ARABIC LETTER KEHEH
10D09 HANIFI ROHINGYA LETTER FA	;	06CF ARABIC LETTER WAW WITH DOT ABOVE
10D0B HANIFI ROHINGYA LETTER DDA	;	0637 ARABIC LETTER TAH
10D0C HANIFI ROHINGYA LETTER RRA	;	0637 ARABIC LETTER TAH
10D11 HANIFI ROHINGYA LETTER KA	;	0637 ARABIC LETTER TAH
10D12 HANIFI ROHINGYA LETTER GA	;	FECB ARABIC LETTER AIN INITIAL FORM
10D13 HANIFI ROHINGYA LETTER LA		0644 ARABIC LETTER LAM
10D14 HANIFI ROHINGYA LETTER MA	;	FEE3 ARABIC LETTER MEEM INITIAL FORM
10D19 HANIFI ROHINGYA LETTER KINNA YA	;	FE91 ARABIC LETTER BEH INITIAL FORM
10D1C HANIFI ROHINGYA LETTER VA	;	06A8 ARABIC LETTER QAF WITH THREE DOTS ABOVE
10D1D HANIFI ROHINGYA VOWEL SIGN A	;	FEBB ARABIC LETTER SAD INITIAL FORM
10D23 HANIFI ROHINGYA NA KHONNA	;	0632 ARABIC LETTER ZAIN
10D23 HANIFI ROHINGYA NA KHONNA	;	FEE7 ARABIC LETTER NOON INITIAL FORM
10D25 HANIFI ROHINGYA SIGN TELA	;	0654 ARABIC HAMZA ABOVE
10D26 HANIFI ROHINGYA SIGN TANA	;	0653 ARABIC MADDAH ABOVE
10D27 HANIFI ROHINGYA SIGN TOSSI	;	0651 ARABIC SHADDA

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	10D0	10D1	10D2	10D3
0	<b>J</b> 10D00	<b>Э</b> 10D10	<b>ر</b> 10D20	<b>0</b> 10D30
1	<b>J</b> <sub>10D01</sub>	10D11	<b>B</b> 10D21	10D31
2	<b>9</b> 10D02	<b>L</b> 10D12	<b>J</b> 10D22	<b>၅</b> 10D32
3	<b>J</b>	J 10D13	<b>)</b> 10D23	<b>ठ</b> 10D33
4	10D04	<b>ts</b> 10D14	۲ ۵	<b>N</b> 10D34
5	<b>ک</b> 10D05	ر 10D15	\$ 0D25	<b>(</b> 10D35
6	10D06	<b>3</b> 10D16	<b>حر</b> 10D26	<b>ð</b> 10D36
7	10D07	10D17	<b>W</b> 10D27	<b>7</b> 10D37
8	10D08	10D18		10D37
9	10D03	10D18		<b>9</b> 10D39
A	<b>9</b> 10D0A	10D14		10037
В				
С		ق 10D1C		
D		10D1D		
E		<b>)</b> 10D1E		
F	J 10D0F	10D1F		

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# Hanifi Rohingya

#### Consonants

0011	501	
10D00	J	HANIFI ROHINGYA LETTER A
10D01	J	HANIFI ROHINGYA LETTER BA
10D02	و	HANIFI ROHINGYA LETTER PA
10D03	J	HANIFI ROHINGYA LETTER TA
10D04	J	HANIFI ROHINGYA LETTER TTA
10D05	J	HANIFI ROHINGYA LETTER JA
10D06	7	HANIFI ROHINGYA LETTER CA
10D07	ھ	HANIFI ROHINGYA LETTER HA
10D08	3	HANIFI ROHINGYA LETTER KHA
10D09	ڧ	HANIFI ROHINGYA LETTER FA
10D0A	و	HANIFI ROHINGYA LETTER DA
10D0B	ط	HANIFI ROHINGYA LETTER DDA
10D0C	Ĵ	HANIFI ROHINGYA LETTER RA
10D0D	_	HANIFI ROHINGYA LETTER RRA
10D0E	L	HANIFI ROHINGYA LETTER ZA
10D0F	٩	HANIFI ROHINGYA LETTER SA
10D10	ය	HANIFI ROHINGYA LETTER SHA
10D11	Ŀ	HANIFI ROHINGYA LETTER KA
10D12	Ŀ	HANIFI ROHINGYA LETTER GA
10D13	Ĵ	HANIFI ROHINGYA LETTER LA
10D14	ls	HANIFI ROHINGYA LETTER MA
10D15	அ	HANIFI ROHINGYA LETTER NA
10D16	ى	HANIFI ROHINGYA LETTER WA
10D17	J	HANIFI ROHINGYA LETTER KINNA WA
10D18	J	HANIFI ROHINGYA LETTER YA
10D19	ب	HANIFI ROHINGYA LETTER KINNA YA
10D1A	X	HANIFI ROHINGYA LETTER NGA
		= gan
10D1B	Ļ	HANIFI ROHINGYA LETTER NYA
		= nayya

#### **Additional letter**

HANIFI ROHINGYA LETTER VA ث • not used at present

### Vowel signs

- HANIFI ROHINGYA VOWEL SIGN A م = a-for
- HANIFI ROHINGYA VOWEL SIGN I ب = i-for
- 10D1F من HANIFI ROHINGYA VOWEL SIGN U = u-for
- 10D20 ب HANIFI ROHINGYA VOWEL SIGN E = e - for
- 10D21 **J** HANIFI ROHINGYA VOWEL SIGN O = o-for

#### Vowel silencer

10D22 J HANIFI ROHINGYA SAKIN

#### Nasalization mark

10D23 J HANIFI ROHINGYA NA KHANNA

#### **Tonal signs**

- 10D24 6 HANIFI ROHINGYA SIGN HARBAY • short high tone
- 10D25 ් HANIFI ROHINGYA SIGN TELA • long rising tone
- 10D26 Õ HANIFI ROHINGYA SIGN TANA • long falling tone

### Gemination sign

10D27 ő HANIFI ROHINGYA SIGN TOSSI

### Digits

- 10D30 0 HANIFI ROHINGYA DIGIT ZERO HANIFI ROHINGYA DIGIT ONE 10D31 I 10D32 9 HANIFI ROHINGYA DIGIT TWO 10D33 5 HANIFI ROHINGYA DIGIT THREE 10D34 O HANIFI ROHINGYA DIGIT FOUR 10D35 & HANIFI ROHINGYA DIGIT FIVE 10D36 ∂ HANIFI ROHINGYA DIGIT SIX
- 10D37 **Z** HANIFI ROHINGYA DIGIT SEVEN
- 10D38 10 HANIFI ROHINGYA DIGIT EIGHT 10D39 **9** HANIFI ROHINGYA DIGIT NINE

	Proposed character name	Fig. 6	Fig. 7	Fig. 8
J	HANIFI ROHINGYA LETTER A	Aa	AA	AA
J	HANIFI ROHINGYA LETTER BA	Ba	BA	BA
و	HANIFI ROHINGYA LETTER PA	Pa	PA	PA
J	HANIFI ROHINGYA LETTER TA	Та	TA	THA
J	HANIFI ROHINGYA LETTER TTA	Tda	TA	TA
S	HANIFI ROHINGYA LETTER JA	Ja	JA	JA
۲.	HANIFI ROHINGYA LETTER CA	Cha	CHA	CHA
ھ	HANIFI ROHINGYA LETTER HA	На	HA	HA
ک	HANIFI ROHINGYA LETTER KHA	Kha	KHA	KHA
ڧ	HANIFI ROHINGYA LETTER FA	Pha	FA	FA
د	HANIFI ROHINGYA LETTER DA	Da	THA	DHA
ھ	HANIFI ROHINGYA LETTER DDA	Dha	DA	DA
J	HANIFI ROHINGYA LETTER RA	Ra	RA	RA
டி	HANIFI ROHINGYA LETTER RRA	Rda	ĒΑ	RDA
l	HANIFI ROHINGYA LETTER ZA	Za	ZA	ZA
٩	HANIFI ROHINGYA LETTER SA	Sa	SA	SA
೨	HANIFI ROHINGYA LETTER SHA	Sha	SHA	SHA
ط	HANIFI ROHINGYA LETTER KA	Ka	KA	KA
ي	HANIFI ROHINGYA LETTER GA	Ga	GA	GHA
J	HANIFI ROHINGYA LETTER LA	La	LA	LA
ls	HANIFI ROHINGYA LETTER MA	Ma	MA	MA
ட	HANIFI ROHINGYA LETTER NA	Na	NA	NA
ع	HANIFI ROHINGYA LETTER WA	Wa	WA	WA
ๆ	HANIFI ROHINGYA LETTER KINNA WA	Kinnawa	KINNA WA	KINNAWA
٢	HANIFI ROHINGYA LETTER YA	Ya	YA	YA
ب	HANIFI ROHINGYA LETTER KINNA YA	Kinnaya	KINNA YA	KINNAYA
X	HANIFI ROHINGYA LETTER NGA	Nga	GAN	GHAN
ل_	HANIFI ROHINGYA LETTER NYA	Naiya	NAYYA	NAYA

Table 1: Romanized names for Rohingya letters as given in various sources.

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	Proposed character name	Fig. 6	Fig. 7	Fig. 8
و	HANIFI ROHINGYA VOWEL SIGN A	Aafor	AFOR	AFOR
ر	HANIFI ROHINGYA VOWEL SIGN I	Efor	[I]FOR	EIFOR
J	HANIFI ROHINGYA VOWEL SIGN U	Ufor	UFOR	UOFOR
٦	HANIFI ROHINGYA VOWEL SIGN E	Aefor	EFOR	EAFOR
ß	HANIFI ROHINGYA VOWEL SIGN O	Ofor	OFOR	WOFOR
J	HANIFI ROHINGYA SAKIN	_	_	_
j	HANIFI ROHINGYA NA KHONNA	Nakhonna	NAKONNA	NAKHANNA
<b>ب</b>	HANIFI ROHINGYA SIGN HARBAY	Haarbai	HARBAY	HAR BAY
័	HANIFI ROHINGYA SIGN TELA	Tela	TELA	TAHA LA
े	HANIFI ROHINGYA SIGN TANA	Tana	TANA	TA NA
्	HANIFI ROHINGYA SIGN TOSSI	Tossi	TASSI	TASSI

Table 2: Romanized names for Rohingya marks as given in various sources.

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	Hanifi Rohingya		Arabic
J	HANIFI ROHINGYA LETTER A	١	u+0627 arabic letter alef
J	HANIFI ROHINGYA LETTER BA	ب	u+0628 arabic letter beh
و	HANIFI ROHINGYA LETTER PA	پ	u+067E arabic letter peh
J	HANIFI ROHINGYA LETTER TA	ت	u+062A arabic letter teh
		ط	u+0637 arabic letter tah
J	HANIFI ROHINGYA LETTER TTA	ط	u+0679 arabic letter tteh
٦	HANIFI ROHINGYA LETTER JA	٣	u+062C arabic letter jeem
۲.	HANIFI ROHINGYA LETTER CA	۲	u+0686 arabic letter tcheh
ھ	HANIFI ROHINGYA LETTER HA	٥	u+0647 arabic letter he
		ζ	u+062D arabic letter hah
ک	HANIFI ROHINGYA LETTER KHA	Ċ	u+062E arabic letter khah
ڧ	HANIFI ROHINGYA LETTER FA	ف	u+0641 arabic letter feh
د	HANIFI ROHINGYA LETTER DA	د	u+062F arabic letter dal
ھ	HANIFI ROHINGYA LETTER DDA	2	u+0688 arabic letter ddal
J	HANIFI ROHINGYA LETTER RA	ر	u+0631 arabic letter reh
ط	HANIFI ROHINGYA LETTER RRA	Ľ	u+0691 arabic letter rreh
l	HANIFI ROHINGYA LETTER ZA	ز	u+0632 arabic letter zain
		ض	u+0636 arabic letter dad
		ظ	U+0638 ARABIC LETTER ZAH

Table 3: Correspondence between Hanifi Rohingya and Arabic letters (continued in table 4).

\_\_\_\_

	Hanifi Rohingya		Arabic
٩	HANIFI ROHINGYA LETTER SA	س	u+0633 arabic letter seen
		ص	U+0635 ARABIC LETTER SAD
ය	HANIFI ROHINGYA LETTER SHA	ش	U+0634 ARABIC LETTER SHEEN
ط	HANIFI ROHINGYA LETTER KA	ای	u+0643 arabic letter kaf
		ق	u+0642 arabic letter qaf
٩	HANIFI ROHINGYA LETTER GA	گ	u+06AF arabic letter gaf
		غ	U+063A ARABIC LETTER GHAIN
J	HANIFI ROHINGYA LETTER LA	ل	u+0644 arabic letter lam
ls	HANIFI ROHINGYA LETTER MA	م	u+0645 arabic letter meem
அ	HANIFI ROHINGYA LETTER NA	ن	u+0646 arabic letter noon
ع	HANIFI ROHINGYA LETTER WA	و	U+0648 ARABIC LETTER WAW
ঀ	HANIFI ROHINGYA LETTER SMALL WA	و	U+0648 ARABIC LETTER WAW
٢	HANIFI ROHINGYA LETTER YA	ي	U+064A ARABIC LETTER YEH
ŗ	HANIFI ROHINGYA LETTER SMALL YA	ي	U+064A ARABIC LETTER YEH
Ł	HANIFI ROHINGYA LETTER NGA	ڠ	U+06A0 ARABIC LETTER AIN WITH THREE DOTS ABOVE
٦	HANIFI ROHINGYA LETTER NYA		
ۋ	HANIFI ROHINGYA LETTER VA		

Table 4: Correspondence between Hanifi Rohingya and Arabic letters (continued from table 3).

		Bilabial	Labio- dental	Dental/ Alveolar	Retroflex	Palatal	Velar	Glotta
Plosive	voiceless	р		ţ	t	С	k	?
FIOSIVE	voiced	b		d	þ	ł	g	
Nasa	Ľ.	m		n		ŋ	ŋ	
Fricative	voiceless		f	S		ſ	x	h
Flicative	voiced			z				
Flap				r	r			
Approximant	central	W				j		
Approximant	lateral			1				

Consonants

	Front	Back	
Close	i	u	
Close-mid		0 0	
Open-mid	e		
Open	а		

Vowels

Figure 1: Rohingya phonology (from Wikipedia: "Rohingya language").



Figure 2: A document showing the Rohingya script as finalized by Maulana Mohammad Hanif and others on February 19, 1980, with signatures of the script committee.

16 1993/5/5 بسم المه الرحن الرحم الارعالة عرض معكمان العالم لعليط الم والالد . . I lass cedel C nere cedel. في فعلعفا فعلما لسام لعدول عرف معلما معقد مع معرف , 12 has live site any . 19 bun 10 1/2, , Jeles even & Jeles Level & (?) فعلما ليله لدوله عرض معال الله تعد تعطعا لعد فرص Luch and when the los and the back to use here here I alte Jale 1991 or . , Jebes even to Jebes feed to - () dereby Sel re setue ebue ret eles Seter Léveléo es Lutuel retul vere level energie und revel fel ferio herebele I barget 6041 or. , Jeles et en a debes ferel a - (a) vere under and serve beine hour leter ister dentit like be be 10 41 like dal 14 on . Jekes even i Jekes feed i - @ I lite I be meite le tut cedele l'i te 1262-10-13. Sel vere den tel den i believe la vie elese C. enditite 1923 exeb 2 yes Justel/ereles rebter Engled

Figure 3: Description of some characters attached to the chart shown in figure 2. A translation is given in figure 4.

Causes and dates of changing of these letters below . (1) the letter was changed to <u>so that will be easy in writing</u> And be excellent. On 21-6-1984 : examples دیگ معکم محمد معگیلام (Sea) (Grandfather) (Wealth) (Day) وبرل (Heart) (2)  $\underline{d}$  the letter was changed to  $\underline{d}$  and then finally chosen to  $\underline{d}$  in order to Avoid from confusion with other letter. On 3-3-1985 : example ط ملنىكە (Pomegranat) طمهطم ( Stick ) Laad كمهطم (Packet) (Piece) (Side) (3) L the letter was changed to L and then finally chosen to A in order to Will be easy in writting on 1-1-1986 : Example مصعبر (Fly) میلم (Open) مملم مصحد auca (Head) (Fish) (Dead) (4) <u>s</u> the letter was changed to <u>s</u> and then finally to the first shape<u>s</u> so That will be easy in writting on 15-4-1988 : Example هصلر (Grandchild) ممر (Name) مممم همط ممكسيقد (Grandfather) (Nose) (Human) (5)  $\mathfrak{J}$  the letter was changed to  $\mathfrak{J}$  and then finally to the first shape  $\mathfrak{J}$  to avoid From Dificulty in writting on 16-1-1989 : Example لىيەلم (One) دلمار ( Door ) للم كملعلم فلمبھ (Ring) (Hide) (Children)

Figure 4: Translation of the text shown in figure 3.



Figure 5: Chart from a hand-written primer (from Ruwainggya Zuban Komiti (A): 1).



Figure 6: Chart showing Rohingya letters and signs with Urdu and Burmese names.



Figure 7: Chart showing Rohingya letters with Arabic correspondences and names in Latin transliteration.



Figure 8: Chart showing Rohingya letters with Latin transliteration.



Figure 9: Page from a Rohingya primer showing Rohingya letters with names in Arabic transliteration.

(?) Lelas alis حرضتم غو ملا غر اغمين المجعلدي مربله ممات الما وعلنه ا الم لم ച 9م کم أ + أفر = أ ا + أفر = بَا ا بِا + أفر = بَا تا+ أفر = تًا ٹا +آفر = ٹا امم کم ഫ ونم ഫ جا + أفر<del> -</del> حَيا حا + أفر= حًا خا + أفر = خَا فا + أفر - فا جا + أفر= جَا طم طُم ئم تم ىلم دا+ افر= دَا اذا + افر= دًا را+ افر= رًا ڈا+ افر= ڈا زا+ افر= زا ھم ഫല طم لم کم مىا + أفر= مَا شا + أفر= شا كا + أفر=كا كًا + أفر=كًا لا + أفر=لا امم کم کم مم ما + أفر= ما نا + أفر= نا وا + أفر = و ا كتــاوا افر= وا غَان أفر= غَان لي نايا · المجنب اور يرضب كا مثال ! ( ) المحفة لعد ومائراما الما ليطبراما مبقما ) ۱. : ال+ م+ (L+ م - الملم ۲. : C+ م+ ال+ م - C مالم ۲. : م+ م- مم الموقعة لعد وعائداما الما ليطبولعة مبحمل
 الموقعة لعد وعائداما الما المعالية مبحمل
 الموقعة المعالية الم معالية المعالية المعالي معالية المعالية الم معالية معالية المعالية معالية المعالية معالية معالية المعالية المعالية لب تب فب لب كب أ+ ايفر = اي با+ ايفر = بي با+ ايفر = بي تا+ايفر = تي ثا+ ايفر = ثي ا۔ : ال+ب+1+م+م++ - البلممي ? ـ : [+ب+1+م- [بلم 5. : +ب+4+م- [بام 

Figure 10: Page from a Rohingya primer showing the method of writing ح vowel sign A and ر vowel sign I.

لعد لعد العد كعد كعد أوفر المراج الوفر الع المراج المراج الوفر المراج الوفر المراج المراج الوفر المراج المراح المراج المراح المرح المراح المراح المراح المراح المراح المراح ال كىد كىد ۱\_ : ا+u+t+a - التلم ?\_ : L+u+t+a - Lula 5\_ : e+u+t+a- euta d ـ : ه+س+ ه+ س - ۵ ـ هاسه - ۱۰ + ۵ + س + ۵ : \_ ه {ب } لباند لعد ونازلمد المد لبطيلمد مبدمد! اب تب فب ثب کب آ + إ فر = ايے با+ إ فر = بے با + إ فر = بے تا + إ فر = تیے ٹا + إ فر = ٹیے  $| . : [ + y + f_{+} - + c_{+} - - [ + y + f_{+} - c_{+} - f_{+} + c_{+} - f_{+} - f_$ (٤) الدونة لدو وتأثرامة المة لبطبامة مبحما : لم لم كم كم لم أوفر = تو تا+ أوفر = تو تا+ أوفر = تو ا ـ : ال+ e+ ط+بد + L+ ب - العطسلي ? ـ : C+ e+ L+ ب - C+ د+ + + ب - (با م ابا ب ד \_: ל+ב+ם+ם-كיאם ה : פ+ב+ם+ם - פיאם י: ל+ב+ב+ב+ם - כאבר יו ב+ב+ב ومطبه لند ونائباما المد لبطباما مبوما ! همما فسط فبھ فبک هبک همطونيك المما المذمد هيطبيد عمدم طبيئه تمطحيد المتمطمة تناب طبيد

Figure 11: Page from a Rohingya primer showing the method of writing ک vowel sign u, ر vowel sign e, گ vowel sign o.

(6) Letres aging (1) همكنام ليد ويازرمد المد ليطبر لمد ميحمد ! لېن ويين لېن کېن امن ا+ المرتخلا- أن با+ الفرنغسة بيس با+ أوفرنغسة يون تا+ إفرنغسة تييس ثا+ أوفرنغا المادي ا۔ : 1+م+ڼ+۹+ڼ+۲+م- امنعیلم ? ـ : [+م+ن+ ك+م- [منكم 6 ـ : ط+ىد+ن+ط+م - طىبىطم ہ :ط+ب+ن+ط+م- طبنطم المعالمة لعد وما المعا المعا المعالمة مبحما المعالمة المعالية المعالية المعالية المعالمة المعالم معالمة المعالمة معالمة المعالمة المعالمة معالمة المعالمة معالمة معا ما معالمة م ما معالمة معالم معالم معالمة معالمة معالمة معالمة معالمة معالمة معالمة معالمة معالمة مع مع معالمة معالمة معالمة معالمة معالمة معالمة معالمة مع ٿِٽ هيٽ لڀُ المّ کم آ+ افر هربائ = اهْ با با ايفر هربائ = بيهى با + اوفر هربائ = بُهو تا + إفر هربائ = تِهم با + اوفر هربائ = تُاو المل معليف: عنائب عنائب: هنا: فسناديا: كملط طسبنهد: المُ [بأ ويدأ ليأ كمأ ۔ أ+افرڻهلا – اخ با+ايفرڻهلا – بيحيٰ با+اوفرڻهلا – پُوه تا+إفر ثهلا – تح ثا+ او فر ثهلا – ثاو السُلا: عنْسا: كَسْهَدِ: فَسُمَنَهُ: مَمْنَعَدِ طُسُعَدٍ: فَمَمْدِحِيلَة: { } لعقب لعد قط بلما الما لبطيلما مبعما ! الملمِّ: طبِهَم: لدحَّم: عنبكَّد: اسُنهَم: فملَّد كَبِطبِلَم الملَّمُ لناكد: البِحَساكِ هذالُند لاد: المبلَّم فِلَم: حنبهُم: كُنبِلَم ( ) كمهم لعد وتأثيلما لمد لبطبلما مبحما ! لَم قىد کُد الَبِ لب نآه فَيْلَه tal كَىند أماله


الب المعمل فم فعنكر { ك } فنكم فعالم معلنك نما الملمف المعرب الم المعمل طبقم نم لبطبلد : مبعمار السعلم، كعلم، فبالعلم، تماعلم، حمقالم، فعالم،

الي المعمد ومد عناي { 5 } ونايم معالم معالم معالم المامو الموب البي المعمد طبقة لم ليطم المادد. مبومار ا وربد : كمبد : عمبد : ونبيلم : لينعبم : كسمم بنعبم ( ل ) ممام ليد وناييكما المار ليطرما ميوما !

الله المعمل المكتمّة المئا آمادية ،، ثانا تمادي المئان السعّائة. المكتمّة البقائة الله الذانية المعمل العسّاطية التحسلمات ،، ئ البطباتات

اَمل: فَنل: حَنل: كَنل: اَسل: مَمْل: *سممبنيّبم منْطيقيا: البط، حسا: إ* 



Figure 13: Page from a Rohingya primer describing the use of  $\mathcal{I}$  KINNA WA and  $\downarrow$  KINNA YA. Note the usage of repetitions of , U+060C ARABIC COMMA for indicating quotes, eg.  $\mathcal{I}\mathcal{I}\mathcal{I}\mathcal{I}$ .



Figure 14: Page from a Rohingya primer showing the use of tatweel.

142 11 as fatal atacel i fal (1 ~ «Snal )) ana 209 2ag 900 70 .9 R 7 'AD

Figure 15: Table showing use of tonal signs from a hand-written primer (from Ruwainggya Zuban Komiti (A): 11).

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Figure 16: Hand-writen first page of *History of Arakan*. Note the use of the final forms of L MA (red) and J LA (blue), as well as termination of some words using  $\neg$  SAKIN.

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utus at tubus had had takal and lat laital nat our anais tarasias but in talul facalaga? تمع a Das Lara Jul evena and I طالمقالم فألم عبل البط طبلمبقم in tat in Tata and in le dilate tack bace vana Alle in Italias Sale . filse east jut also

hable Julan desit later

Figure 17: Usage of  $\downarrow$ , an older form of  $\iota > \iota$  DA,  $\iota > \iota$  SAKIN>. (from Ruwainggya Zuban Komiti (B): 1).



Figure 18: Usage of the letter *va* in a primer school book for transcribing the English word 'van' ثبا . This character is no longer used in contemporary orthography and has been replaced by & wa.

91	bl	ZI	21	91	୶୲	31	21	11	1
29	62	z,	29	(1)	୶୨	39	97	12	9
95	hJ	zδ	73	93	વર	22	25	15	2
9 d	bd	Zd	Jd	ର୍ୟ	નન	રવ	29	ାଗ	ଗ
99	100	Z 9	19	99	લઇ	30	20	10	Ø
97	67	zə	77	97	୳ୢ	29	97	17	7
2Z	bZ	ZZ	JZ	9Z	dΖ	зz	9Z	12	Z
9.b	bb	Zb	Jh	90	db	Jþ	26	Ib	b
92	109	Z 9	79	92	ત૧	39	92	12	9
1	2.	p.	z.	3.	9.	d .	5.	2.	1.
19	.1	3		. 7	Lul	2		,	
	, ,			5			•		

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Figure 19: Chart of digits from a hand-written primer (from Ruwainggya Zuban Komiti (B): 34).

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((_A)	amilarly	CBN EOBS	)) ))
9 1 (d)	1 10 (3)	1 9 (1)	1 2 (1)
h-	<u> </u>		
a 7 (m)	5 h	9 9 (2)	1 7 (6)
<u> </u>	- 1 1		1 9-
a u (17)	n b		
1 3-	1 1 -	1 d -	1 13 1 19 -
2 2 (17)	(v) v 1	(10)	(12)
<u>4 4</u> - 9 2	1 0 -	<u>1</u> 2-	z a 1 a
(1·) G V	9 9 (12)	(ar) b d	z 9
<u>1 0 -</u>	31-	31-	<u> </u>
(74)	(13)   *	Q (97)	b (413
() -	ŋ - '	4-	9-
V	Z	61	7

Figure 20: Excerpt from an primary-level arithmetic book written in Rohingya (from Ruwainggya Education Board Myanmar: 21).



Figure 21: The cover page of Haq-Dar, a Rohingya language news weekly (December 5, 2002).

167.3 ان ما ا 1 tease ALALA 11111111111111 . 120 THE MONTHLY **ROHINGYA POTTORO** 9 te I siles SERAK صير بدا : 11 منهد لما : 1 / 10 / 15/16 م : 🖈 🖈 SATUR DAY, OCTOBER 13, 2007 \* Latis rasal allal Setal had abe tal rala 1201 لعد مم : فعلمة مسطس معاملا كبلمات مممسبد لمقمل آمرل ميلد 11 معدلم الم : مهيد وم الملع 1 elula belaute مت أيلائكم لب لملم لمطيقيل ladhas anle ancel the march marian licit, but cat desperally fine in marian ty eghe dated that satur! ! Leget frante utug that we have and 1 2 La al and and al and a series 1 السلما ليه قمامة ليعد لعله ليظم المال وبالله

Figure 22: The cover page of Serak, a Rohingya language news weekly (October 13, 2007).



Figure 23: Hand-written cover page of *History of Arakan*. The vertical breaks in the letters J TA and J RA in the title word لمليك لملطما *tarikh arakan* are stylistic, as are the broken baseline conjuncts through the title.

Anshuman Pandey



Figure 24: Cover of World Atlas.



Figure 25: Page from *World Atlas* showing Myanmar (with the Arakan region highlighted) and Bangladesh.

Culay Jahal Calar السعَّلم ممهسبهد لمومد كمنعملد لقد ممنظيمة مصبههما هُبطم وَمِدْ لَعَلَى لَمُ مَعْلَد لَسَعَلَم المندم موهسيو. المديد بيطي كعلد ! لَه لمطب لعلم لمَّد كعطب العدَّر آمنا كعلم عمم فأسمه ؛ المندم مم مسبقلم ليكم معدلي طرب كَود به لا فسوم عيباته - مع ممسبقاتم كَنْعَدْدٍ! لَمَ لَمِلْ الطِّبْهِمِ عِنْكَةٍ طَبِهَطْمِكُولُد المَدْ \_ لَيكُوهِ المنسِدِم ممهسبة لم طمطي امداد ! لعد هيلمد بكعد الع لمد تسل البنبطم الماك أمالاه المدرمات، طرهار المناك أيلا أملم در هيالالم ممنطر هد فمأبر لأبتا العدر مبهبة لمهد عداله منهد العهد لمسحمد قمنلد فعنود علا فمبلسما، المندمة ملد كومد طيم علاد فمبلسما در؟

S

Figure 26: Page from primary school reader. Notice the usage of Arabic punctuation signs.

ISO/IEC JTC 1/SC 2/WG 2 PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646 <sup>1</sup> Please fill all the sections A, B and C below. Please read Principles and Procedures Document (P & P) from http://std.dkuug.dk/JTC1/SC2/WG2/docs/ guidelines and details before filling this form. Please ensure you are using the latest Form from http://std.dkuug.dk/JTC1/SC2/WG2/docs/summar See also http://std.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html for latest <i>Roadmaps</i> .	aryform.html.
A. Administrative	
1. Title: Proposal to encode Hanifi Rohingya in Unicode	
2. Requester's name: Anshuman Pandey <pre> andey @umich.edu&gt;</pre>	
3. Requester type (Member body/Liaison/Individual contribution): Expert contribut	ion
4. Submission date: 2016-12-31	
5. Requester's reference (if applicable):	
6. Choose one of the following:	
This is a complete proposal: (or) More information will be provided later:	Yes
B. Technical – General	
<ol> <li>Choose one of the following:</li> <li>a. This proposal is for a new script (set of characters):</li> </ol>	Yes
Proposed name of script: Hanifi Rohingya	165
b. The proposal is for addition of character(s) to an existing block:	
Name of the existing block:	
2. Number of characters in proposal:	50
3. Proposed category (select one from below - see section 2.2 of P&P document):	
A-Contemporary X B.1-Specialized (small collection) B.2-Specialized (large collection) C-Major extinct D-Attested extinct E-Minor extinct	
F-Archaic Hieroglyphic or Ideographic G-Obscure or questionable usage	
<ul> <li>4. Is a repertoire including character names provided?</li> <li>a. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&amp;P document?</li> <li>b. Are the character shapes attached in a legible form suitable for review?</li> </ul>	Yes Yes Yes
<ol> <li>Fonts related:</li> <li>a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publis standard?</li> </ol>	shing the
Anshuman Pandey	
b. Identify the party granting a license for use of the font by the editors (include address, e-ma Anshuman Pandey	ail, ftp-site, etc.):
<ul> <li>6. References: <ul> <li>a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?</li> <li>b. Are published examples of use (such as samples from newspapers, magazines, or other s of proposed characters attached?</li> </ul> </li> <li>7. Special encoding issues:</li> </ul>	
Does the proposal address other aspects of character data processing (if applicable) such as presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information	
8. Additional Information:	
Submitters are invited to provide any additional information about Properties of the proposed Charact that will assist in correct understanding of and correct linguistic processing of the proposed charact Examples of such properties are: Casing information, Numeric information, Currency information, Directional I collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode n related information. See the Unicode standard at <a href="http://www.unicode.org">http://www.unicode.org</a> for such information on or see Unicode Character Database ( <a href="http://www.unicode.org/reports/tr44/">http://www.unicode.org</a> for such information on or see Unicode for consideration by the Unicode Technical Committee for inclusion in the U	er(s) or script. Display behaviour behaviour, Default formalization ther scripts. Also Fechnical Reports

<sup>&</sup>lt;sup>1</sup> Form number: N4502-F (Original 1994-10-14; Revised 1995-01, 1995-04, 1996-04, 1996-08, 1999-03, 2001-05, 2001-09, 2003-11, 2005-01, 2005-01, 2005-10, 2007-03, 2008-05, 2009-11, 2011-03, 2012-01)

C. Technical - Justification						
1. Has this proposal for addition of o If YES explain	character(s) been submitted before?	No				
• • • • • • • • • • • • • • • • • • • •	ers of the user community (for example: National Body,					
user groups of the script or characters, other experts, etc.)?						
If YES, with whom?	Muhammad Noor <mdnoorna@gmail.com></mdnoorna@gmail.com>					
	James Lloyd-Williams <james_lloyd-williams@kastan< td=""><td>et.org&gt;</td></james_lloyd-williams@kastan<>	et.org>				
	Lorna Priest <lorna_priest@sil.org></lorna_priest@sil.org>					
If YES, available releva	ant documents:					
	ty for the proposed characters (for example:					
size, demographics, information	on technology use, or publishing use) is included?	Yes				
Reference:	See text of proposal					
<ol> <li>The context of use for the propos</li> </ol>	ed characters (type of use; common or rare)	Common				
Reference:	See text of proposal					
<ol><li>Are the proposed characters in ci</li></ol>		Yes;				
If YES, where? Reference:	Speakers of the Rohingya language					
<ol><li>After giving due considerations to</li></ol>	the principles in the P&P document must the proposed character					
in the BMP?		N/A				
If YES, is a rationale	provided?					
If YES, reference	e:					
7. Should the proposed characters I	be kept together in a contiguous range (rather than being scatter	ed)? Yes				
8. Can any of the proposed characte	ers be considered a presentation form of an existing					
character or character sequer	nce?	No				
If YES, is a rationale	for its inclusion provided?					
If YES, reference	e:					
9. Can any of the proposed characte	ers be encoded using a composed character sequence of either					
existing characters or other pr	haracters or other proposed characters?					
If YES, is a rationale	for its inclusion provided?					
If YES, referenc	e:					
10. Can any of the proposed charac	ter(s) be considered to be similar (in appearance or function)					
to, or could be confused with,	to, or could be confused with, an existing character?					
If YES, is a rationale	for its inclusion provided?					
If YES, referenc	e:					
11. Does the proposal include use o	of combining characters and/or use of composite sequences?	Yes				
If YES, is a rationale for such	use provided?	Yes				
If YES, reference	Combining signs for tone marks					
Is a list of composite sequenc	es and their corresponding glyph images (graphic symbols) prov	ided? N/A				
If YES, referenc	e:					
12. Does the proposal contain chara	acters with any special properties such as					
control function or similar sem		No				
If YES, describe in d	etail (include attachment if necessary)					
	۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰					
13. Does the proposal contain any I	deographic compatibility characters?	No				
	responding unified ideographic characters identified?					