Proposal to encode Dives Akuru in Unicode

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1 Introduction

1.1 Proposal history

This is a proposal to encode 'Dives Akuru' in Unicode. It supersedes the following documents:

- L2/09-191: Preliminary Proposal to Encode the Dhivehi Script in ISO/IEC 10646
- L2/10-213: Preliminary Proposal to Encode Dhives Akuru in ISO/IEC 10646
- L2/17-292: Proposal to encode Dives Akuru in Unicode

This document is a revision of L2/17-292 and contains the following changes:

- Change of spelling for the script identifier from 'Dhives Akuru' to 'Dives Akuru' (§ 2.1)
- Revised glyphs for the letters and signs for U and UU (§ 3.1, § 3.2)
- Removal of the letter AI, and the letter and vowel sign for AU (§ 3.1, § 3.2)
- Reservation of code points for letters and signs for *EE, *AI, *OO, and *AU (§ 3.1, § 3.2)
- Additional details and attestation for YYA (§ 3.3, fig. 19, 34)
- Inclusion of new characters for punctuation (§ 3.9)
- Notes on the use of *halanta* for representing the dependent vowel u and glottal stop (§ 4.2.1, § 4.2.3)
- Representation of 'false conjuncts' involving word-final bare consonants and word-initial vowels (§ 4.4)
- Expanded analysis and collation information for the PREFIXED NASAL SIGN (§ 4.7)
- Removal of the gemination sign and explanation of gemination in secondary sources (§ 4.8)
- Expanded descriptions for proposed characters and additional specimens of usage

It incorporates comments provided by the UTC Script Ad Hoc Committee in:

• L2/17-384: Recommendations to UTC #153 October 2017 on Script Proposals

This proposal has been reviewed by the following experts:

• Prof. Dr. Jost Gippert (Goethe-Universität Frankfurt am Main)

1.2 Background

The 'Dives Akuru' was used from the 9th–20th centuries for recording Dhivehi (ISO 639-3: div), an Insular Indo-Aryan language, which is also known as 'Maldivian'. It is known indigenously as *dives akuru* and *divehi akuru*, both of which have the meaning of "islanders' letters". The script is written from left to right and is alpha-syllabic in structure. It is descended from Brahmi through Grantha, and it is related most closely to the medieval form of the Sinhala script (Fritz 2002: 6), and shares characteristics with the Tigalari (Tulu) script (Geiger 1919: 151). A comparison of Dives Akuru and Sinhala is given in figures 75–76, and a comparison with other scripts is shown in figure 78.

The earliest epigraphical record from Maldives is a coral stone block from the island of Landū that is dated to the 6th–8th centuries. Its inscription, however, is in a form of Grantha. A distinctive Dives Akuru first appears on two statues unearthed on Māle (see fig. 26–27). These statues (IC 009, IC 010) exhibit Vajrayana Buddhist inscriptions and features, and have been dated to the 9th–10th centuries (Gippert 2014: 112). Very few ancient Maldivian records have been preserved apart from these, as numerous objects were destroyed deliberately during the conversion of Maldives from Buddhism to Islam in the 12th century.

As a result, a consistent palaeographical record for Dives Akuru begins in the 12th century. From this time Dives Akuru was used as an official script by Maldivian rulers, starting with copper plate grants, known as $l\bar{o}m\bar{a}f\bar{a}nu$, which were issued for the building and maintenance of mosques. The earliest records are the $G\bar{a}mu$ $L\bar{o}m\bar{a}f\bar{a}nu$ and $Isd\bar{u}$ $L\bar{o}m\bar{a}f\bar{a}nu$, which were issued in 1194 during the reign of the king Gaganāditya. This ruler issued another in 1195, which is known as the $Dambid\bar{u}$ $L\bar{o}m\bar{a}f\bar{a}nu$ (see fig. 28). A fourth plate, the $Kudahuv\bar{a}du$ $L\bar{o}m\bar{a}f\bar{a}nu$, is dated to 1237–8 and was produced during the reign of the queen Rāarādesvara. The script began to evolve during the 14th century, as is apparent from the style used for the Bodugalu Miskit $L\bar{o}m\bar{a}f\bar{a}nu$, issued during the reign of queen Rādaābarnna in 1357. A total of eight $l\bar{o}m\bar{a}f\bar{a}nu$ have been reported, although three are no longer preserved at present. They are identified by scholars using the names of the islands upon which they were found, and are numbered as L1 through L8. Specimens of L3 and L6–L8 are given in fig. 28, 29–31.

By the 16th century, usage of $l\bar{o}m\bar{a}f\bar{a}nu$ had given way to paper documents known as fatkolu. Some records were inscribed on wooden boards and are known as $fil\bar{a}$ fatkolu. These official decrees are in a form of Dives Akuru that is more calligraphic and stylized than the type used on $l\bar{o}m\bar{a}f\bar{a}nu$. The earliest preserved paper document is the Kolufuśi Fatkolu, issued during the time of Muhammad Bodu Takurufanu (1573–1585). Several fatkolu were produced over the next two centuries, the latest being the $Havodd\bar{a}$ Fatkolu from the second half of the 18th century. Thirteen fatkolu have been made accessible for scholarly investigation; they are identified as F1–F13 (see specimens of F1 and F6 in fig. 32 and 33).

The script was also used for writing dynastic chronicles, known as $r\bar{a}davali$, in the late 18th century. Of the three extant chronicles, two are in the Thaana script and one is in Dives Akuru. Other records include stone epitaphs from the 16th–18th century; wood engravings in the Hukuru Miskit and Galolu Bau Miskit on Māle; and inscribed pottery, such as a lacquer jar from Tulādū (see fig. 35). The first modern book written in the script, a work by Bodufenvalhuge Sidi titled *Divehi Akuru*, was commissioned by the prime minister Ibrahim Nasir and published by the government of Maldives in 1959 (see fig. 36–48).

When the early $l\bar{o}m\bar{a}f\bar{a}nu$ were rediscovered by European colonial officials in the 19th century, it became apparent that the script and language on these records differed from the prevailing forms of *dives akuru* and the Dhivehi language. These plates were unintelligible to contemporary Maldivians. The British scholar H. C. P. Bell coined the term 'evēla akuru', literally the "script of that time" in Dhivehi, for classifying the older style (1919: 149). He used the term 'dives akuru', "islanders' letters", for the contemporary style.

Although they were neologisms, the terms are convenient for periodizing Maldivian palaeography: the style used during the 12th–14th cnturies is 'evēla akuru', and that used after the 14th century is 'dives akuru' or 'divehi akuru' proper.

Dives Akuru records exhibit linguistic and palaeographic diversity. The early *lōmāfānu* contain seals and occasional intralinear text in a script of the Nagari family, which bears some similarity to Nandinagari. Later plates contain Arabic text and script. Several *fatkoļu* contain a significant amount of Arabic text.

Beginning in the early 18th century, another script began to appear alongside Dives Akuru. This new script, known as *tāna akuru*, or 'Tāna' and 'Thaana', is a right to left script consisting originally of 18 letters (for early scholarship on Thaana see Prinsep 1836: 794; Wilson 1841: 42). These 18 letters appear to be derived from the digits 1–9 of both the Dives Akuru and Arabic scripts (Gippert 2013: 97). From the 1700s until 1870, both Dives Akuru and Thaana were used for official purposes (Naseema 1999: 29). But, by the turn of the 19th century, Thaana had completely replaced Dives Akuru as the regular script for Dhivehi.

Despite the obsolescene of Dives Akuru by the 20th century, individual users and scholars continue to study and use the script. The Royal Asiatic Society of Sri Lanka published translations of the *Isdū Lōmāfānu* (Maniku and Wijayawardhana 1986) and *Dambidū Lōmāfānu*. The National Centre for Linguistic and Historical Research (NCLHR) in Māle published *Dhivehi Writing Systems* (1999) by Naseema Mohamed. But, native Maldivian scholarship on Dives Akuru has also declined. New information and studies of Dives Akuru is made possible by the meticulous work on palaeography and epigraphy (see Gippert 2003, 2004, 2013, 2014), Dhivehi language and linguistics (see Fritz 2002), and translations of Maldivian texts (see Romero-Frias 2003, 2012) performed by scholars outside of Maldives.

At present, Dives Akuru is not only extinct, but the very existence of it and its record is threatened. A few months after I first began working on this encoding in 2009, the president of Maldives, Mohammed Nasheed, held a cabinet meeting underwater in scuba gear in October to raise awareness of rising sea levels (*Daily Mail* 2009). But, the ocean is not the only physical threat to the island nation. During the political turmoil in February 2012 criminals burglarized the National Museum and vandalized thirty Buddhist artifacts, some dating back to the 6th century (*New York Times* 2012). The Vajrayana statute IC 009 mentioned at the outset of this section was demolished (Gippert, personal communication, October 2017). It now exists only through photographic records. While material objects cannot be replaced, it is hoped that this proposed Unicode encoding for Dives Akuru may assist in preserving the palaeographical and linguistic heritage of Maldives through digital technologies.

1.3 Overview of sources consulted

The proposed encoding for Dives Akuru is informed foremost by primary sources. Digitized images of these materials were made available to the proposal author courtesy of Jost Gippert and the TITUS (Thesaurus Indogermanischer Text- und Sprachmaterialien) Project. Secondary sources from the 19th century to the present have been used to supplement the primary materials and to expand the repertoire with characters not found in the historical documents. The following materials have been used and are referred to throughout the proposal using the abbreviation in the 'ID' column.

Statuary:

ID	Designation	Issuer	Year
IC 009	_	_	9th c.
IC 010		_	9th c.

Copper-plate documents (*lōmāfānu*):

ID	Designation	Issuer	Year
L1	Gāmu Lōmāfānu	Gaganāditya	1194
L2	Isdū Lōmāfānu	Gaganāditya	1194
L3	Dam̃bidū Lōmāfānu	Gaganāditya	1195
L4	Kudahuvādu Lōmāfānu	Rāarādesvara	1237
L5	Boḍugalu Miskit Lōmāfānu	Rādaābarnna	1357
L6	Bell No. 1	unknown	unknown
L7	Bell No. 2	unknown	unknown
L8	Bell No. 3	unknown	unknown

Paper and wood documents (fatkoļu):

ID	Designation	Issuer	Year
F1	Koļufuśi Faṭkoļu	Muhammad Bodu Takurufanu	1573–1585
F2	Hasan Pāṭinā Faṭkoļu	unspecified	1627
F1058	'Fatkoļu of A.H. 1058'	unspecified	1648
F3	Gan Faṭkoḷu	Ibrahim Iskander I	1652
F4	Bā Miskit Faṭkoļu	Ibrahim Iskander I	1652
F5	Gāmu Faṭkoļu	Muhammad	1696
F6	Hannamidu Faṭkoḷu	Muhammad Imaduddin	1711
F7	Isseri Faṭkoḷu	Muzaffar Muhammad Imaduddin II	1711
F8	Kaňḍūdū Faṭkoļu	Ibrahim Iskander II	1721-50
F1153	'Fatkoļu of A.H. 1153'	unspecified	1740
F9	Kuramati Faṭkoļu	Ibrahim Iskander II	not given
F10	Kuḍahuvadū Faṭkoḷu	Ibrahim Iskander II	not given
F11	Diamingli Faṭkoḷu	Ibrahim Iskander II	1751
F12	Tinadū Faṭkoļu	Ibrahim Iskander II	late 18th c.
F13	Havoḍḍā Fatkoļu	unspecified	late 18th c.

Other primary documents:

ID	Author	Title	Year
HMK	Hajji Muhammad Kalegafanu	untitled	1927

Secondary sources:

The following secondary sources have been interpreted as primary sources:

ID	Author	Title	Year
G	Wilhelm Geiger	'Máldivian Linguistic Studies'	1919
S	Bodufenvalhuge Sidi	Divehi Akuru	1959
N	Naseema Mohamed	Divehi Writing Systems	1999

2 Approach to the encoding

2.1 Script identifier

The identifier 'Dives Akuru' is a compound of *dives* "islander's" + *akuru* "script". The element *dives* is an older attributive form of *divehi*, itself a compound of **divu-vesi* < *dipa-vāsi* < Sanskrit *dvipa-vāsin*, and references 'Maldivian'. The term *akuru* is derived from *akara* < *akhara* < Sanskrit *akṣara*, and has the meaning of 'letter' or 'script'.

The name is spelled variously in English: 'Divehi Akuru', 'Dives Akuru', 'Dhivehi Akuru', 'Dhives Akuru'. The terms 'Dhivehi' and 'Dhives' are variant spellings of 'Divehi' and 'Dives', which are the result of an idiosyncractic romanization scheme used in Maldives in the 1980s. In this system 'dh' is used for the dental stop and 'd' for the retroflex stop; the 'h' does not indicate aspiration as in the conventional transliteration of Brahmi-based scripts. Although an earlier proposal (L2/10-213) referred to the script as 'Dhives Akuru', it has become clear since that time that 'Dives Akuru' and 'Divehi Akuru' are the spellings preferred in both western and Maldivian scholarship (eg. Gippert 2013, 2014; Naseema 1999: 21, see fig. 61; Romero-Frias 2003, see fig. 51–52). 'Dives' is an older attributive form that is no longer used today, but it was grammatically valid when it was coined. 'Dives Akuru' has been selected as it is the well-known name for the script in modern Maldives.

2.2 Unification

The 'Dives Akuru' block provides a unified encoding for *evēla akuru* and *dives akuru*. These two styles are major developmental phases of a single script. While there are some differences in the repertoire, letterforms, and orthography, they have the same basic structure and typology. A single Unicode encoding is practical for representing both styles.

2.3 Character repertoire

Dives Akuru has a nearly complete character repertoire that aligns with the basic Brahmi inventory. The fullest repertoire occurs in *evēla akuru* records. Over time, the repertoire was gradually reduced by the removal of letters that did not correspond to phonemes of the evolving Dhivehi language. The emergence of the Thaana script also resulted in truncation of the repertoire.

The modification of the base repertoire resulted in the displacement of various letters. The greatest change to the repertoire was the dropping of nearly the entire palatal series in *dives akuru*, which resulted from

the transformation of palatal sounds to dentals in Dhivehi. This was followed by the elimination of letters for aspirated consonants, leaving only kha and dha. The unassigned aspirate letters were, in turn, used as variants for their unaspirated counterparts. Nasal letters were replaced by either the dental na, or in the case of clusters, by a generic sign. The trend of assimilation occurred also with sibilants: the palatal $\dot{s}a$ and retroflex $\dot{s}a$ were replaced with the dental sa.

Unfortunately, there is no *varṇamālā*, or traditional script inventory, in the palaeographical nor any indigenous documentation that describes the changes to the script. The first charts of *divehi akuru* were compiled and published by European scholars in the 19th century, cf. Christopher (in Wilson 1841; see fig. 72), Geiger (1919; fig. 49–50, 73). While these charts provide a glimpse into the script at that time, the provenance of the letterforms is unclear. In many cases the European inventories of *divehi akuru* were conducted from the perspective of Thaana, and the published repertoires focused on comparisons with Thaana. These types of sources, therefore, do not provide a true sense of the original character inventory.

A legitimate and accurate character inventory can only be compiled by analyzing the letters and signs of the extant records. Fortunately, such an effort has been made. The most complete inventory has been offered by Jost Gippert (2013), who analyzed each *akṣara* in the available *lōmāfānu* and *fatkoļu*. One of his published charts is given in figures 1–2.

The latest published work in Dives Akuru, Sidi's *Divehi Akuru* (1959), represents a Thaana-oriented view of Dives Akuru. It presents a curious case. While the style of writing and the letterforms correspond to those in *fatkolu*, the text contains characters that have not been identified in historical sources. For instance, it shows forms of *ya* and *na* that are unattested in the primary sources. Most importantly, the sources upon which Sidi based his work are not specified. His work may be considered as an attempt to inventorize what was known about the script in the 1950s. This attempt, however, was conducted without direct reference to any of the *lōmāfānu* and *fatkolu*. Thus, despite its importance in preserving Dives Akuru in the 20th century, its usage for understanding the evolution of the script and, in particular, the character repertoire must be handled with some caution.

The proposed repertoire has been prepared after consulting both primary and secondary sources enumerated in § 1.3. All distinctive characters attested in the available sources have been identified in terms of their palaeographic value in accordance with the character-glyph model used for Brahmi-based scripts in the Unicode Standard. Variant forms are not encoded independently and are to be managed through the selection of fonts. The proposed repertoire enables the complete representation of all extant text in Dives Akuru and is a superset of all particular orthographic styles.

2.4 Representative glyphs

In the absence of a standard for *evēla akuru* or *dives akuru*, the representative glyphs assigned to the proposed characters are normalizations of letterforms used in *lōmāfānu* and *fatkoļu*. There are several stylistic differences in the scripts used in these two classes of sources, ranging from the shapes of letters and signs to the degree of calligraphy.

In terms of letterforms, the major stylistic tendencies observed in the sources are: hooked vs looped initial strokes, ie. 2 and 3 for a; open vs closed strokes, ie. 3 and 4 for a; open vs closed strokes, ie. 4 and 4 for a and 5 for

The glyphs used here aim to provide for the distinctive representation and to depict the identity of each Dives Akuru character. The glyphs are not intended to be typographically aesthetic. The display of styles of particular sources may be achieved through custom fonts.

2.5 Character names

Character names are based upon the convention used for Brahmi-based scripts in Unicode. Consonant letters have been assigned names corresponding to their palaeographic values.

In this document, character names in italics refer to transliterations, while names in small capitals refer to proposed Unicode characters, eg. ③ is ka and DIVES AKURU LETTER KA. For sake of brevity the script identifier 'DIVES AKURU' and character descriptors, eg. 'LETTER' or 'SIGN', are dropped when refering to proposed characters, eg. DIVES AKURU LETTER KA may be referred to as KA. Characters of other scripts are designated by their full Unicode names.

2.6 Note on variant forms

Variant forms for several consonant letters are used in later documents (see fig. 64–66, 68). In some cases, one consonant is represented using more than one letter. For example, gemination of an unaspirated consonant may be indicated using a conjunct of the letters for the respective unaspirated conjunct and the aspirated counterpart. Secondly, an aspirated letter may be used for the corresponding unaspirated consonant in order to avoid repetitive usage of the unaspirated letter. These practices emerged from the removal of aspirate letters, but the retention of the letters as alternate forms in later styles of the script. All variants are treated as glyphic variants and are to be managed through fonts designed for a specific style used in a source document. In order to manage the usage of multiple letters for a single consonant in late Dives Akuru styles, the respective letters should be used as needed despite the character name, eg. DHA may be used for *da* in addition to DA, etc. Such usage is meaningful only at the graphical level; the underlying character semantics will remain underchanged.

3 Proposed Repetoire

The proposed repertoire contains 69 characters. The code chart and names list follow page 7.

3.1 Vowel letters

Two sets of characters are used for representing independent vowels in the primary materials:

	а	ā	i	и	e	0
'type 1'	જ	(ନ୍ତ୍ର	ণ্ঠ প্ৰ	v	ಖ	೭೨
'type 2'	ಎ	නා	න	வு, உ∕்	ಾಖ	<u>ಾ</u> ವು, ೨೩

The 'type 1' forms are distinctive letters. The 'type 2' forms are CV syllables of warpa ya and dependent vowel signs, where ya represents the vowel a and functions as a carrier. Both types are used interchangably and appear concurrently in several documents (see fig. 3–7). There are no rules that specify the contexts of usage for either set. Therefore, it is necessary to support representation of both types.

The usage of the letter ya for representing independent and initial vowels likely resulted from the shift in Old Dhivehi of word-initial ya to da (Gippert 13: 84–85). The letter retains its function as the consonant ya, as evidenced by its occurrence as C_2 in conjuncts, as a base for the nasal consonant sign, and a carrier of the *halanta*. A new letter ω for ya is shown in S (fig. 36), where it is transcribed in Thaana as λya , and the ω as λa . The letter ω also occurs in the early 20th century document HMK (see fig. 34).

In addition to the letters shown above, secondary sources show letters for vowels such as $\bar{\imath}$, \bar{u} , \bar{e} , and \bar{o} . These are not attested in the available primary materials. It is possible that they may have been used in documents that have not been preserved, or they may be later developments. As these letters appear in script charts, it is practical to encode those that are distinctive in order to provide the most complee repertoire. Distinctive letters for the Brahmi vocalic r, \bar{r} , l, \bar{l} are not attested.

The following encoding model enables the complete representation of vowel letters:

- 1. The 'type 1' set are encoded as independent vowel letters.
- 2. The letter \otimes is encoded as YA and defined as a consonant letter. Maintaining the original palaeographic identity of \otimes will enable it to function as a base for combining dependent vowel signs for expressing 'type 2' forms (see § 4.1). It will also permit the letter to participate in conjuncts (see § 4.3.3).
- 3. The alternate ω *ya* is encoded as YYA and defined as a consonant.
- 4. Letters for \bar{t} and \bar{u} are encoded as per distinctive attestations in secondary materials.
- 5. Space has been reserved for letters for \bar{e} , ai, \bar{o} , and au. Distinctive letters for these vowels are not attested in neither the available primary nor secondary materials.

Accordingly, the proposed repertoire contains the following 8 independent vowel letters. The representation of the 'type 2' (*ya*-forms) is described in § 4.1.

Glyph	Character name	Major variants	Latin	Thaana
ધ્ય	DIVES AKURU LETTER A		а	'n
(გგ	DIVES AKURU LETTER AA		ā	Ä
ර්	DIVES AKURU LETTER I	3	i	ý
3 99	DIVES AKURU LETTER II	<i>3</i> 3	ī	<i>\(\lambda \)</i>
v	DIVES AKURU LETTER U	٦	и	Ž
જ	DIVES AKURU LETTER UU	ኤ , ጔ	\bar{u}	" Л
ಖ	DIVES AKURU LETTER E		e	ź
ಒ	DIVES AKURU LETTER O	ఘ, м	0	× 1

Notes on the proposed vowel letters:

- I The 36 occurs in *fatkoļu* as the glyphic variant 39 (see fig. 4).
- II The letter II does not occur in primary sources. It is shown in G as 39, which is a more cursive variant of 31 used in *fatkoļu* with the addition of the 39 vowel sign II. The representative glyph 39 for II is based upon 301 with a looped final stroke that is reflective of vowel sign II.
- U The **V** occurs in *fatkolu* as **1** (see fig. 5). This form is a glyphic variant that reflects the calligraphic style used in later paper documents.
- UU The letter UU does not occur in primary materials. It is shown as \(\mathbb{I} \) in S and as \(\mathbb{I} \) in G (see fig. 5). G also shows the ya-form \(\mathbb{I} \) produced using the \(\mathbb{I} \) vowel sign UU. The former two appear to be based upon the later variant \(\mathbb{I} \) of \(\mathbb{U} \) U modified by a curl. In \(\mathbb{I} \) the curl is at the terminal, while in \(\mathbb{I} \) it intersects the primary stroke. As \(\mathbb{I} \) is a rigid form of \(\mathbb{U} \), \(\mathbb{I} \) may be considered a less sinuous version of a hypothetical \(\mathbb{U} \). The \(\mathbb{U} \) has been selected as the representative glyph for UU on account of its congruence with \(\mathbb{U} \) U.
- E The letter \mathfrak{D} has the stylistic variant \mathfrak{D} in some L (see fig. 6). L. In various sources, the origin stroke of \mathfrak{D} is turned or extended at obtuse angles, ie. \mathfrak{D} in S (see fig. 46). N shows \mathfrak{D} as being used for representing the Dhivehi long vowel \bar{e} (see fig. 59), but such used in unattested in the primary sources.
- O The letter o has the distinctive form 29, which occurs in L and IC (see fig. 7). In later sources it is represented using the ya-form 920) and the compound 20 < 20 E, 0) VOWEL SIGN AA> (see § 4.1). The secondary sources show some variants. N shows a stylized form of 20 as well as 920) for 0 (fig. 62). The latter is a ya-form written with a calligraphic variant 0) of 0 VOWEL SIGN AA. S shows the form 50 (see fig. 46). It does not occur in other sources, and appears to be a stylized form of 20 in which the origin stroke of 20 is turned, eg. the variant 50 in S, and its tail is fused with 0), cf. the related form in N. An idiosyncratic and unclear form 7 for 0 is shown in G, which bears some resemblace to the representative glyph 29 when rotated 90° counter-clockwise.

Notes on vowel letters identified in the secondary materials, which are not proposed for encoding at present.

- *EE Although G and N show letters for the Dhivehi long vowel \bar{e} , a distinctive letter for this vowel does not occur in the primary materials. The forms in G are identical to the letter \mathfrak{D} and ya-form \mathfrak{PD} for e (see fig. 6). N gives \mathfrak{D} E as the letter used in Evela Akuru (see fig. 59), and \mathfrak{PD} and \mathfrak{PD} as used in Dives Akuru (see fig. 62). The \mathfrak{PD} is the ya-form also shown for e, while \mathfrak{PD} is the ya-form with \mathfrak{PD} vowel sign Ai. These forms are found only in N. These may be represented using character sequences (see § 4.1). The inclusion of \bar{e} by G and N suggests an analysis of Dives Akuru vowels from a Thaana perspective.
- *AI Neither a distinctive letter nor a ya-form for the diphthong ai occurs in the available primary sources. However, a dependent form 990 is attested and has been proposed for encoding as 990 VOWEL SIGN AI (see § 3.2). Therefore, the 9900 given by N for \bar{e} would technically be a ya-form for ai. A space has been reserved for the letter ai in the event that a distinctive form is identified.
- *oo G, S, and N show letters used for representing the Dhivehi long vowel \bar{o} . However, a distinctive letter for this vowel does not occur in the primary materials, so the provenance of the following letters is unknown. G gives the same form ? for o and \bar{o} . N shows 920 and 29. These are the conventional ya-form of o and a stylized form of the compound 20) for o in which the \circ vowel sign AA is written with the calligraphic variant \circ , eg. 20). A somewhat distinctive letter \circ for \bar{o} occurs in S (see fig. 46). It resembles the S variant \circ for o. It may be analyzed as o + the dependent sign for \bar{a} , where the \circ \circ is interpreted as a distinctive letter instead of as a stylized rendering of the compound 20) (and, therefore, at a base level it would be the compound 20). The \circ could be encoded as a letter, but it occurs only in S and its provenance is unknown. Theoretically, as other forms of \bar{o} are based upon o, the \circ 0) could be normalized as 29) <0, vowel sign AA> and rendered using a font style.
- *AU Neither a distinctive letter nor a ya-form for the diphthong au occurs in the available primary sources. Space has been reserved for it in case it is identified.

3.2 Dependent vowel signs

Eight dependent vowel signs are proposed for encoding:

Glyph	Character name	Major variants	Latin	Thaana
)	DIVES AKURU VOWEL SIGN AA		ā	័
ி	DIVES AKURU VOWEL SIGN I		i	ৃ
ૺ	DIVES AKURU VOWEL SIGN II		$ar{l}$	ূ
	DIVES AKURU VOWEL SIGN U	્ ાુ	и	ै
ു	DIVES AKURU VOWEL SIGN UU	ા ાુ ાુ	\bar{u}	>> `
9 0	DIVES AKURU VOWEL SIGN E	૭ ઃ €ઃ	e	্
99	DIVES AKURU VOWEL SIGN AI	.66	ai	«
<u>9</u> ີ)	DIVES AKURU VOWEL SIGN O		0	×

Details on the combining behavior of vowel signs is given in § 4.5. Notes on the signs are given below:

- VOWEL SIGN AA The stroke of) is often elongated beneath the base as) in later documents and may appear to connect to the base in some cases (see fig. 8). This elongation is a glyphic variation and a style of calligraphic writing.
- VOWEL SIGN I The sign is often elongated as in later documents as a result of calligraphic writing (see fig. 9). It is a glyphic variant pertaining to the style of a particular document.
- VOWEL SIGN II The sign 3 is conventionally written attached to the top-right edge or terminal of the base with the body of the sign written to the right. The position of the body is rotated as 5 in some sources (L1, L4). In later documents it is written as 3, which is a calligraphic form. These are glyphic variants pertaining to the styles of a particular document. See fig. 9 for specimens.
- VOWEL SIGN U The conventional form of the VOWEL SIGN U is J. It may be written slightly angled so or with a crimp J. When written with letters with round strokes at the right edge, the J takes the contextual form J, ie. J dhu and J ku. The usage of the contextual form is to be considered the default for such letters (see list in § 4.5). There are some stylistic differences, shown in fig. 10:

	L1-L5	L6	L7	L8	F1-F4	F5	F6	F7–F8	F9–F10	F11-F12	F13	F1058	F1153	S	G
-u	ി				ി				ി	ા	ു	ി	্ৰ	ા	ા
$-\bar{u}$	ැ	_	ു	_	ැ	્ર	ു	્ર			્ર	ැ	્રા	্ৰ	ૃ

In F1153 the form \mathfrak{J} is used, which is similar to the form of vowEL SIGN UU in F11 and F12. It appears that the contextual form \mathfrak{J} was used as the default sign and applied to all letters.

As is evident from the distibution of the signs, only one form of vowel sign u (and its contextual variants) is used within a source. Concurrent usage of variants does not occur. The \(\tau\) and \(\tau\) may be treated as considered glyphic variants, and are stylized developments of the conventional \(\tau\) form belonging to calligraphic styles used in the respective documents. These stylistic forms are to be managed using fonts designed for the calligraphic style of particular sources.

The dependent u is represented in L using the alternate form \checkmark . This sign is not a glyphic variant, but the \checkmark HALANTA (see § 4.2).

- vowel sign uu The conventional form of the vowel sign uu is a. It may be written slightly angled or with a crimp a. There are some stylistic differences in the shape of the sign, as shown above. The variant occurs in F5, F7, F8, F13. It appears to be derived from the angled form with the loop moved to the left, cf. the form in G. The used in F1153 is based upon with the addition of a looped terminal. These glyphic variants appear to be stylized developments of the conventional form belonging to calligraphic styles used in the respective documents.
- vowel sign E The representative form 9° appears as 9° in later documents. A corruption of this sign into a circle is observed in some documents. A reversed form 6° of 9° occurs in F12. See specimens in fig. 11.
- vowel sign at The representation of the sign 99° contains two instances of 9° vowel sign E. See specimens in fig. 11.

• VOWEL SIGN O The 907 is a two-part vowel sign, with a decomposition of 90 VOWEL SIGN E + 07 VOWEL SIGN AA. See specimens in fig. 12. The right-side element 03 is often elongated beneath the base as 03 in later documents and may appear to connect to the base, eg. 903. This occurs in documents where the VOWEL SIGN AA is also elongated in calligraphic writing.

Notes on other vowel signs that are not proposed for encoding at this time:

- *VOWEL SIGN VOCALIC R The sign \bigcirc may have been used for the Sanskrit vocalic r in L1 (see fig. 17). The syllable has been glossed as pr, but it may also be pru. Additional research is required to determine the actual value of the syllable and how to represent it.
- *vowel sign Ee A distinctive sign for the Dhivehi long vowel \bar{e} is not attested. As shown by N, this vowel may be represented using 90 vowel sign E and 990 vowel sign AI (see fig. 63). Space has been reserved for the vowel sign if it is identified later.
- *vowel sign oo A distinctive sign for the Dhivehi long vowel \bar{o} is not attested. In the secondary materials, 90 is used for both o and \bar{o} . In S, the sign 90 used for \bar{o} is identical to that for o (see fig. 45). It is a glyphic variant of 90 vowel sign 0, in which the 0 appears to connect to the base in some cases (see fig. 12). N appears to show a distinction between the signs 90 o and 90 \bar{o} , which align with the letters 90 o and 90 \bar{o} of the same source (see fig. 63), in which the right-side element in o connects to the base, eg. 90 o and 90 \bar{o} . However, the connecting element in o appears to be unintentional, eg. the example 9009 \bar{o} noramme in N (see fig. 59). G shows 90, 90, and 90 for ' \bar{o} ', of which the first two are also shown for ' \bar{o} '. While seemingly distinctive, the 90 does not occur in other sources and its provenance is unknown. The element 0 resembles the sign for u in G, which is a contextual and later glyphic variant of 0 vowel sign u. Theoretically, the 90 in u would be normalized as 90, which follows the structure of signs for the diphthong u in other southern Brahmi-based scripts. But, a sign for either u or u is not proposed for encoding at present. Space has been reserved for a potential *vowel sign oo. The 90 vowel sign o may be used as necessary.
- *VOWEL SIGN AU Space has been reserved for a vowel sign for the diphthong au.

3.3 Consonants

There are 34 consonant letters:

Glyph	Character name	Major Variants	Latin	Thaana
ඔ	DIVES AKURU LETTER KA	3	ka	ν
2	DIVES AKURU LETTER KHA		kha	_
გ	DIVES AKURU LETTER GA		ga	Ś
જ	DIVES AKURU LETTER GHA		gha	
3	DIVES AKURU LETTER NGA		'nа	سر
ಶ	DIVES AKURU LETTER CA	84	ca	Ś
ଲ	DIVES AKURU LETTER CHA		cha	_

ર્પ્ટ	DIVES AKURU LETTER JA	Z ev	ja	تحُ
B	DIVES AKURU LETTER NYA		ña	ŕ
ಒ	DIVES AKURU LETTER TTA		<u>ț</u> a	é
ఙ	DIVES AKURU LETTER DDA		ḍа	έ
ಒ	DIVES AKURU LETTER DDHA		ḍhа	_
ಉ	DIVES AKURU LETTER NNA	2	ņа	έ
න	DIVES AKURU LETTER TA		ta	ś
<u></u>	DIVES AKURU LETTER THA		tha	_
3	DIVES AKURU LETTER DA	<i>S</i> ⁻ 3	da	گ ر
യ	DIVES AKURU LETTER DHA		dha	_
\circ	DIVES AKURU LETTER NA		na	يْر
ಉ	DIVES AKURU LETTER PA		pa, fa	ر بو بو
ಖ	DIVES AKURU LETTER PHA		pha	Ĵ.
ข	DIVES AKURU LETTER BA		ba	ớ
જી	DIVES AKURU LETTER BHA		bha	_
2	DIVES AKURU LETTER MA		ma	ź
ಎ	DIVES AKURU LETTER YA		ya, a	'n
w	DIVES AKURU LETTER YYA		ya	'n
D	DIVES AKURU LETTER RA	В	ra	×
ಲ	DIVES AKURU LETTER LA	3	la	3
જ	DIVES AKURU LETTER VA		va	ģ
న	DIVES AKURU LETTER SHA		śa	ŕ
28	DIVES AKURU LETTER SSA		şа	_
ھ	DIVES AKURU LETTER SA		sa	بْ
≫	DIVES AKURU LETTER HA		ha	Ź
3	DIVES AKURU LETTER LLA		<u>ļ</u> a	بۇ
ఓ	DIVES AKURU LETTER ZA	ല, ത	za	έ

Each consonant letter possesses the inherent vowel a. The inherent vowel is silenced using the sign HALANTA to indicate a bare consonant. Consonant clusters are rendered as conjuncts (see § 4.3).

3.3.1 Notes on consonant letters

- KA The variant form 3 occurs alongside the conventional 3 in some sources. Given its shape, it may be suitable for encoding as a distinctive alternate after additional research has been performed.
- CA The variant forms → and ∞ are shown in S and N, respectively. They are not attested in the available primary sources and their provenance is unknown. They differ from the representative form ≥ and resemble *halanta* forms of ⊃ TA, ie. ✓.
- NGA The representative glyph for the letter has been abstracted from its cluster-initial form in conjuncts (see fig. 15).
- JA The variant form 20 of 2e is shown in S. It is a glyphic variant in a later style of the script.
- *JHA A distinctive letter for the palatal aspirate *jha* and has not been identified. Space has been reserved for it.
- TTA The letter 2 TTA is shown as 2 in S. This is the conjunct 2 tta, which is interpreted as the letter ta in some cases (see fig. 57).
- *TTHA A distinctive letter for the retroflex aspirate *tha* does not occur in the souces. Space has been reserved for it.
- NNA The form 2 is used for the retroflex nasal *na* in place of the representative form 9 in Sidi (see fig. 36). The letter is clearly related to the Thaana letter *g naviyani*, which represents the retroflex nasal. But, the rationale behind Sidi's usage of it is unclear. It does not occur in the primary sources. For purposes of the encoding, 2 is classified as a glyphic variant. However, if concurrent usage of it and 9 occurs, then it may be encoded as an alternate form.
- YA As explained in the discussion of the encoding model for vowel letters, the letter $\mathfrak D$ YA represents both the independent a and the consonant ya.
- YYA The letter ω YYA is shown by S, but is not used outside of the charts. It is used throughout HMK (see fig. 19, 34). The letter does not occur in L or F, but its occurrence in HMK suggests that it was used in the early 20th century. The origin of this letter is unknown, but it resembles the Sinhala ω *ya*.
- RA The letter RA underwent a simplification from the form $\mathfrak B$ used in early $l\bar o m\bar a f \bar a n u$ (L1–L4) to the $\mathfrak D$ used in later sources (L5–L8) and in all fatkolu. The later form has been selected as the representative glyph on account of its more prevalent occurrence in the sources.
- ZA The representative form & for ZA is based upon the form used in F1058 (see fig. 18). This letter has a few variants. The form on is used by Sidi (see fig. 36). It occurs only in that source. Geiger shows the form & (figure 50), which bears some resemblance to the representative glyph. While on and & are distinctive, their provenance is unknown. Additional research is required to determine their suitability for encoding as alternate forms.

3.4 Nasalization signs

There are two distinctive nasalization signs (see fig. 13-13 and $\S 4.6$):

Glyph	Character name	Variants	Latin	Thaana
ఄ	DIVES AKURU SIGN ANUSVARA		m	س, س
ំ	DIVES AKURU SIGN CANDRABINDU	.	\dot{m} , \dot{m}	س, س

3.5 Prefixed nasal sign

The following character is used for indicating a cluster-initial nasal consonant:

Glyph	Character name	Variants	Latin	Thaana
[3]	DIVES AKURU PREFIXED NASAL SIGN		ň	ر سر بس

The sign 3 ligates with the following letter (see § 4.7). The glyph is placed within a dashed box in the code chart to indicate its special behavior. The character is derived from the cluster-initial form of the letter 3 NGA, which was extended for use as a generic sign for a homorganic nasal. As shown clearly in fig. 15, the form of the PREFIXED NASAL SIGN differs from that of cluster-initial NGA.

3.6 Nukta

The following sign is used for representing new sounds (see § 4.9):

Glyph	Character name	Variants	Latin	Thaana
·	DIVES AKURU SIGN NUKTA			

This character does not exist in the primary materials. It is described by N as being a new addition to the script (see fig. 61).

3.7 Halanta & Virama

The *halanta* and *virāma* are proposed for separate encoding:

Glyph	Character name	Variants	Latin	Thaana
्र	DIVES AKURU SIGN HALANTA	_	_	ំ
<u>[়</u>]	DIVES AKURU VIRAMA	_		_

The sign of is used for silencing the inherent vowel, similar to the VIRAMA in other Brahmi-based scripts. However, as the sign has various meanings in Dives Akuru, it is proposed that the functions of VIRAMA be disunified and encoded in two separate characters. This approach will simplify the representation of the visible form of the sign and its conjunct-formation properties.

The Dives Akuru sign ALANTA is a visible *virāma*. It represents several features (see § 4.2). In addition to silencing the inherent vowel of a consonant letter, it represents an alternate form of the dependent vowel u. It is also used for indicating glottal stop. Naseema indicates that HALANTA has other functions when used for transliterating Thaana (see fig. 67 for details). In such cases, it is parallel to U+07B0 THAANA SIGN SUKUN. A separate encoding for HALANTA will be practical for users of Dives Akuru, who are also generally users of Thaana.

The conjunct formation properties are assigned to the Dives Akuru virama. This control character is used solely for producing conjuncts (see § 4.3 for details). The VIRAMA is represented in the code chart as virama is virama is virama is virama in the code chart as virama is virama.

3.8 Digits The script has a full set of digits:

Glyph	Character name	Variants	Latin	Thaana
o	DIVES AKURU DIGIT ZERO		0	
כ	DIVES AKURU DIGIT ONE		1	
3	DIVES AKURU DIGIT TWO		2	
٤	DIVES AKURU DIGIT THREE		3	
8	DIVES AKURU DIGIT FOUR		4	
Ŋ	DIVES AKURU DIGIT FIVE		5	
5	DIVES AKURU DIGIT SIX		6	
?	DIVES AKURU DIGIT SEVEN		7	
4	DIVES AKURU DIGIT EIGHT		8	
હ	DIVES AKURU DIGIT NINE		9	

3.9 Punctuation

The following signs of punctuation are used in the script (see fig. 23–24):

Glyph	Character name	Variants	Latin	Thaana
11	DIVES AKURU DOUBLE DANDA			

- 3 DIVES AKURU GAP FILLER
- **➣** DIVES AKURU END OF TEXT MARK

The Dives Akuru "DOUBLE DANDA may be similar in appearance to || U+0965 DEVANAGARI DOUBLE DANDA, but it is often written as two slightly curved strokes.

The 3 GAP FILLER is used at the end of lines to fill space, as well as at the end of a document to signify completion of the text.

The ► END OF TEXT MARK is written at the end of a document. It is often accompanied by a preceding GAP FILLER. The glyph for END OF TEXT MARK is based upon the form used in F9 (fig. 24). As shown in other sources, the horizontal stroke is elongated to fill space. Such swash strokes are stylistic. As is also evident from F9, the ► is distinct from the 3 and is not a shorthand or abbreviation for a sequence of multiple GAP FILLER characters. While the stroke of ► is elongated in the sources, the character does not have any extending properties and the stroke size is fixed. However, font developers may design a glyph with a stroke length of their choice.

4 Encoded Representations

4.1 Representations of 'type 2' vowel letters

The 'type 2' set of vowel letters is represented as shown below (see also figure 49). The interactions between the base consonant and dependent vowel signs is described in § 4.5.

Vowel	'type 1'	'type 2'	Character sequence for 'type 2'
а	જ	ಎ	<2) YA>
ā	ধ্য	නා	<⊋ ya, ⊃ vowel sign aa>
i	જ	න	<a> ya, ○) vowel sign i>
и	と	ಖಾ	<യ ya, ു vowel sign u>
ú	と	୬ ∕	<& ya, \(\square\) halanta>
e	ಖ	ಖ	<a> ya, 9○ vowel sign e>
0	ಒ	නො	<⊋ ya, 9○) vowel sign o>
0	ಒ	නා	<⊅ e,) vowel sign aa>

Other *ya*-forms shown in secondary materials may be represented as follows:

Vowel	Glyph	Character sequence
\bar{u}	ച	<യ ya, ു vowel sign uu>
$ar{e}$	ೄಾಎ	<20 ya, 99° vowel sign ai>

4.2 Halanta

The sign \checkmark HALANTA is used for silencing the inherent vowel of a consonant letter, but it is also used as an alternate sign for the vowel u and for marking glottal stop. Generally, it attaches to the right edge of a letter and forms a ligature with the base. The shape of some letters is modified.

k
$$\mathfrak{F}$$
 $<\mathfrak{F}$ KA, \checkmark HALANTA>t \mathfrak{F} $<\mathfrak{F}$ TTA, \checkmark HALANTA>n \mathfrak{F} $<\mathfrak{F}$ NA, \checkmark HALANTA>s $<\mathfrak{F}$ SA, \checkmark HALANTA>

4.2.1 Alternate sign for the vowel u

There is no independent letter for this vowel sign, although it is written with \approx YA when independent or initial, eg. \approx \acute{u} .

While the HALANTA can be used for indicating u, it may be necessary to distinguish usage of $\sqrt{}$ for marking clusters and u syllables for purposes of text processing. Additional research is required for determining the suitability of encoding a separate character for this sign, eg. a *VOWEL SIGN MUTE U.

4.2.2 Halanta clusters

While consonant clusters are generally rendered as conjuncts, they may also be indicated by marking non-final letters with ALANTA (see fig. 14).

4.2.3 Glottal stop

In late *fatkolu*, the HALANTA was combined with ③ KA, つ NA, つ TTA, ⑤ TA for indicating a word-final glottal stop. These glottal stop *halanta* forms are written at or above the head height and may appear superscript. Fig. 14 shows the use of superscript 🎻 *ta-halanta* < ૭ TA, ✓ HALANTA> in F9 for denoting glottal stop.

The raised glottal stop *halanta* forms may be indicated using superscript layout features. However, another mechanism for distinguishing the special function of such forms from other combinations of a particular letter + HALANTA may be necessary.

Naseema describes combination of the above letters + HALANTA as 'sukun letters' (1999: 27, see fig. 67), and suggests that such forms were used for representing other features of Dhivehi, eg. **\tilde{na-halanta} < \gamma_{NA}, \tilde{na-halanta} + \tilde{na-halanta} = \gamma_{na-halanta} + \g

4.3 Consonant conjuncts

Consonant clusters are rendered as conjuncts in Dives Akuru. The majority of conjuncts consist of clusters of two consonants, but conjuncts with up to three consonants are attested. Conjuncts are represented in encoded text by placing the VIRAMA after each consonant letter in a cluster. Depending upon the shapes of constituent letters, a conjunct is rendered as either a distinctive ligature or as a 'touching' ligature. It is not conventional to render a conjunct using both ligature types. The letters & YA and D RA have special behaviors in conjuncts, as described below.

4.3.1 Distinctive ligatures

The glyphs of constituent letters are modified to produce a distinctive ligature:

kṣa	$\mathfrak{g}_{\mathfrak{F}}$	<ੴ KA, [়] VIRAMA, 🐉 SSA>
ṅga	જુ	<3 nga, 💟 virama, 5 ga>
ţţa	u	<ひ tta, [] virama, ひ tta>
ţva	ಬ್ಬ	<2 tta, [□] virama, 2 va>
ṇḍa	ఌ	<の nna, 🔯 virama, ಒ dda>
ttha	ಹ್ರಿ	<ð ta, [♀] virama, ७ tha>
ntha	જ	<♡ na, 🗓 virama, & tha>
ndha	హ	<ൗ na, [] virama, w dha>
mba	w	<% ma, [] virama, V ba>
bbha	W	<ఌ ba, 🗓 virama, 🥹 bha>
șța	జు	<ち SSA, 🔯 VIRAMA, と TTA>
sta	€ €	<€→ SA, [♀] VIRAMA, 🕭 TA>
sva	જ	<\$> SA, [♀] VIRAMA, ℃ VA>

4.3.2 'Touching' ligatures

A 'touching' ligature is used for writing doubled consonants or with letters whose shapes cannot easily be combined into a distinctive ligature. A 'touching' ligature is produced by writing letters together without spaces, such that they touch at adjacent edges. The shapes of letters are not modified.

nnaYY
$$<$$
Y NA, $\boxed{?}$ VIRAMA, Y NA>mma $?$ MA, $\boxed{?}$ VIRAMA, $?$ MA>spa $?$ SA, $\boxed{?}$ VIRAMA, $?$ PA> $?$ LLA, $\boxed{?}$ VIRAMA, $?$ LLA>

Such an orthography for conjuncts is meaningful in Dives Akuru because orthographic syllables (akṣara-s) of a word typically do not otherwise touch. In lōmāfānu syllables are separated by spaces and these spaces provide for distinctions between clusters and sequences of consonant syllables, eg. \$\mathcal{G}\mathcal{G}\mathcal{D}\mathcal{tka}\tau and \$\mathcal{G}\mathcal{D}\mathcal{Tka}\tau and \$\mathcal{G}\mathcal{D}\mathcal{Tka}\tau and \$\mathcal{G}\mathcal{D}\mathcal{Tka}\tau and \$\mathcal{G}\mathcal{D}\mathcal{Tka}\tau and \$\mathcal{G}\mathcal{D}\mathcal{Tka}\tau and \$\mathcal{G}\mathcal{Tka}\tau and \$\mathcal{G}\mathcal{D}\mathcal{Tka}\tau and \$\mathcal{G}\mathcal{D}\mathcal{Tka}\tau and \$\mathcal{G}\mathcal{D}\mathcal{Tka}\tau and \$\mathcal{G}\mathcal{D}\mathcal{Tka}\tau and \$\mathcal{G}\mathcal{Tka}\tau and \$\mathcal{Tka}\tau and \$\mathcal{G}\mathcal{Tka}\tau and \$\mathcal{Tka}\tau and \$\mathcal{T

4.3.3 The letter YA

When \mathfrak{A} ya is C_2 it takes the post-base form \mathfrak{D} by default, and is written as a ligature with C_1 (see fig. 16):

4.3.4 The letter RA

The letter \mathfrak{d} RA takes special forms when it occurs in conjuncts (see fig. 17). It is written as $\hat{}$ repha when C_1 in a cluster. The repha is placed above the following letter, or in the case of two-letter clusters, it is placed between the two letters:

When non-initial in a cluster, RA is written as \bigcirc $ra-k\bar{a}ra$. The $ra-k\bar{a}ra$ attaches to the right edge of the preceding letter and curves beneath the letter. In the case of multi-letter clusters, it attaches to the last letter and its curve may span the entire conjunct.

In some later records, the curve of ra- $k\bar{a}ra$ is elongated as \bigcirc and may extend fully around the letter to the top left edge; compare \bigcirc and \bigcirc and \bigcirc and \bigcirc and \bigcirc and \bigcirc and \bigcirc are

4.4 'False conjuncts'

Conventionally, a devowelized word-final consonant is indicated using letter + HALANTA and is typically separated from the first orthographic syllable of the following word. For example, in L3 and L5, the word boundary in the phrase *avurodun ikit* is written as expected as -% -n i- (NA + HALANTA + I) with a vowel letter for i, and also as -% -n i- (NA + HALANTA + YA + VOWEL SIGN I) with a ya-form for i.

However, in other instances throughout the $l\bar{o}m\bar{a}f\bar{a}nu$, the word-final consonant letter is connected to the following independent vowel letter or ya-form of a vowel instead of being written with HALANTA (see fig. 25); the connection is indicated using '=' in transliteration: -96 - n=i-(NA+I) and -920 - n=i-(NA+I) and -920 - n=i-(NA+I) and -920 - n=i-(NA+I) in L2; and -920 - n=i-(NA+I) in L3.

Although these forms resemble 'touching' conjuncts, they are liaisons between a word-final base consonant and a word-initial independent vowel. Therefore, they cannot be treated as true conjuncts. The presence of YA in these forms further indicates the nature of the liaison, as this letter is represented using the post-base form \mathfrak{P} when it is final in a cluster, eg. \mathfrak{P} nyi; the full form is not used in consonant conjuncts.

It is necessary to represent a 'false conjunct' of a consonant + independent vowel as it appears in the sources. It is suggested that the special control character [v] U+200D ZERO WIDTH JOINER be used along with VIRAMA: <C, VIRAMA, ZWJ, V_i>. The VIRAMA is necessary for indicating the devowelized C, while ZWJ suppresses the overt *halanta* and produces a 'zero-width' connection with the vowel letter (V_i). An example of this sequence in encoded text is shown below with a comparison to the syllable *nyi*:

$$n=i$$
 % $< \mathfrak{D}$ NA, \mathbb{P} VIRAMA, \mathbb{P} ZWJ, \mathfrak{F} I>
 $n=i$ かめ $< \mathfrak{D}$ NA, \mathbb{P} VIRAMA, \mathbb{P} ZWJ, \mathfrak{D} YA, \mathbb{O} VOWEL SIGN I>
 nyi かか $< \mathfrak{D}$ NA, \mathbb{P} VIRAMA, \mathfrak{D} YA, \mathbb{O} VOWEL SIGN I>

These are contrasted with sequences of conventional orthographic syllables:

4.5 Consonant-vowel combinations

Combinations of a consonant and dependent vowel sign are rendered following the pattern shown in § 4.1 for the 'type-2' vowel letters. Certain vowel signs have contextual forms when combined with certain consonants. Shown below are examples with other consonants and consonant clusters.

Vowel sign AA Written to the right of the base, detached from the letter:).

$$k\bar{a}$$
 %) vowel sign aa>

$$m\bar{a}$$
 %) <% MA, \circ) VOWEL SIGN AA>

In some fatkolu, the sign extends below the base, similar to VOWEL SIGN I, compare: 3) and 3) $k\bar{a}$, 2) and 3) $m\bar{a}$. In some instances it appears to connect to the base.

Vowel sign 1 The sign $\hat{\ }$ attaches to the top or top-right edge of the base and curves around to the right edge.

When written with cluster-final ra, the VOWEL SIGN I attaches to the ra- $k\bar{a}ra$:

In fatkoļu, the sign is often elongated and may loop beneath the base, eg. w dhi, hi, kri, kri, kri.

Vowel sign II Behaves like VOWEL SIGN I.

$$k\bar{\imath}$$
 % Solve $k\bar{\imath}$ % Nowel sign ii>

In L1, the vowel sign ii is written occurs attached above the letter as $^{\circ}$, eg. $^{\circ}$ $^{\circ}$

Vowel sign u The shape of the dependent form of u is determined by the shape of the base letter. For most letters, the representative form η is used, which attaches to the right edge:

With some letters, the sign attaches near or below the base:

The sign forms a special ligature when combined with the following letter:

Vowel sign UU The sign attaches to the right edge of a letter and forms a ligature with the base:

$$k\bar{u}$$
 で、 $<$ で KA 、 $河$ VOWEL SIGN UU> $p\bar{u}$ で $>$ で PA 、 $河$ VOWEL SIGN UU>

Vowel sign E Written to the left of the base.

Vowel sign AI Written to the left of the base.

Vowel sign o Written to the left and right of the base. When occurring with a consonant cluster, the left and right elements of the sign are rendered before the first and last letters, respectively.

In sources where the elongated form of vowel SIGN AA is used, the right-side element of vowel SIGN 0 is similarly elongated, compare: 93) and 93) ko, 93) and 93) mo.

4.6 Vowel nasalization

Post-vocalic nasalization is indicated using the signs of Candrabindu and anusvara:

4.7 Prefixed nasal sign

The The PREFIXED NASAL SIGN is placed before a letter in the input sequence. The VIRAMA is not used with it. It is generally rendered as a ligature, attached to the top of the following letter. This sign does not occur in word-initial position. The example below occurs in L4, as shown in fig. 15:

In some sources the PREFIXED NASAL SIGN is detached and raised from the base, as shown in the below example from fig. 20:

Syllable	Attached	Detached	Character sequence
ňsa	جي	<i>ج</i> 3	< 3 PREFIXED NASAL SIGN, & SA>

The raised sign is typical in the Dives Akuru calligraphy in late fatkolu, while the attached form is common in $l\bar{o}m\bar{a}f\bar{a}nu$. The positions are stylistic features and both representations of the sign are semantically identical. Usage of the two positional forms is not contrastive: one or the other is used consistently throughout a document. The attached and detached forms should be treated as glyphic variants belonging to particular styles of the script.

4.7.1 Comparison to the Burmese kinzi

Encoding the $\stackrel{3}{\circ}$ as a distinctive prefixed character provides the simplest implementation. The superficial aspects of the sign, and its derivation from 3 NGA, are similar to the $\stackrel{5}{\circ}$ *kinzi* in the Burmese ('Myanmar') script. It is, therefore, interesting to evaluate the potential of adopting the *kinzi* model for the Dives Akuru prefixed nasal letter. In Burmese, the absence of the inherent vowel of C U+1004 MYANMAR LETTER NGA is rendered as $\stackrel{5}{\circ}$ $\stackrel{6}{n}$, in which C $\stackrel{6}{n}a$ is marked with a visible $\stackrel{5}{\circ}$ *virāma*. When $\stackrel{6}{n}$ occurs in cluster-initial position, it is rendered as a superscript form of $\stackrel{5}{\circ}$ known as $\stackrel{5}{\circ}$ *kinzi*, which is positioned above the following letter: $\stackrel{5}{\circ}$ $\stackrel{6}{n}ka$. The Unicode model for Burmese uses the control character $\stackrel{5}{\circ}$ U+1039 MYANMAR SIGN VIRAMA for producing conjuncts. Therefore, logically, the cluster $\stackrel{6}{n}ka$ would be represented using $\stackrel{5}{\circ}$ C U+U1004, $\stackrel{5}{\circ}$ U+1039, $\stackrel{5}{\circ}$ U+1000>. However, this produces the conjunct $\stackrel{5}{\circ}$, a stack consisting of of C $\stackrel{6}{n}a$ and $\stackrel{6}{\circ}$ $\stackrel{6}{n}ka$. The correct rendering of *kinzi* requires the *virāma* to be both a visible sign and a control character; however, it is defined solely as the latter. In order to produce the *kinzi*, the character $\stackrel{5}{\circ}$ U+1004 MYANMAR SIGN ASAT is required in the input sequence after MYANMAR LETTER NGA and before MYANMAR SIGN VIRAMA: $\stackrel{5}{\circ}$ U+1004, $\stackrel{5}{\circ}$ U+103A, $\stackrel{5}{\circ}$ U+1000>, which provides the expected $\stackrel{6}{\circ}$ $\stackrel{6}{n}ka$.

The graphical resemblance between these Dives Akuru and Burmese signs is coincidental. Indeed, they seem to be mirror images, but their structures are inherently different. The *kinzi* possesses a visible *virāma*, while the Dives Akuru sign does not. If the *kinzi* model were adopted for Dives Akuru, the HALANTA would be the equivalent of MYANMAR SIGN ASAT. Accordingly, his a would be generated using <3 NGA, HALANTA, VIRAMA, SA>. Such a model is not practical for Dives Akuru. Usage of HALANTA in such a context is superfluous as it is not part of the graphical representation. Secondly, this model requires four characters to produce hisa, while the prefixed nasal sign requires two. For this reason, the proposed PREFIXED NASAL SIGN is the most suitable option.

4.8 'Gemination'

Naseema (1990) show the signs $\stackrel{3}{\circ}$, $\stackrel{2}{\circ}$, etc. used for indicating gemination, or doubled consonants (see fig. 59, 68). These signs are not true gemination signs and have different semantics in the primary sources. The interpretation of these signs as marking gemination may have been the result of sound changes in spoken Dhivehi. The so-called 'gemination signs' are analyzed below:

1. 'Gemination sign' Naseema illustrates usage of ³ as a gemination sign in the word **3** by, which is glossed as 'kallage'. This word is originally kanlage, an instance of which occurs in L2 (plate 23, line 2). The sign ³ is identical to the proposed ³ Prefixed Nasal sign. The transliteration of **3** by as kallage in N reflects a change in the pronunication of nasal + stop sequences to a doubling of the stop. In this sense, the Prefixed Nasal sign indicated a nasal in Old Dhivehi, but is read as a gemination of the base letter from the perspective of modern Divehi phonology.

glyph	'geminate'	real cluster	character sequence
ಕ್ರಿ	ʻlla'	пlа	<[³] PREFIXED NASAL SIGN, € LA>

2. Conjunct with THA In some cases the sign & may be interpreted as a gemination sign. In actuality, it is the conjoining form of & THA. In later forms of the script, this aspirate letter lost its original value of tha. A common conjunct containing that as C₂ is & ttha, which was read as tta in later Dhivehi. It is possible that the % in 'tta' was interpreted as a doubling of . Similarly, % ntha was read as 'nna'.

Usage of C_2 THA as a gemination mark was extended beyond the dental class. An isolated example is \mathfrak{P}_6 , which reads ktha, but is used for 'kka' (see fig. 21). Such forms are a matter of orthography and should be treated as regular conjuncts.

glyph	'geminate'	real cluster	character sequence
જી	'kka'	ktha	<® ka, [] virama, & tha>
ಹ್ರಿ	ʻtta'	ttha	<∌ ta, [] virama, & tha>
જ	'nna'	ntha	<ൗ na, [়] virama, ७ tha>

Some ligatures that indicate doubled consonants, eg $\mathcal{V}_{\mathcal{V}}$ vva, appear as if they contain the $\mathcal{V}_{\mathcal{V}}$ element. The curled terminals of $\mathcal{V}_{\mathcal{V}}$ That and $\mathcal{V}_{\mathcal{V}}$ was lead to such interpretations. While $\mathcal{V}_{\mathcal{V}}$ may be analyzed as a conjunct of $\mathcal{V}_{\mathcal{V}}$ va.

3. Conjunct with YA In later documents, such as Sidi, conjuncts with the letter $\mathfrak D$ as C_2 are read as a geminate cluster of C_1 , eg. $\mathfrak S \mathcal D$ sya = `ssa` (see fig. 21). In such cases, the post-base form $\mathfrak P$ of YA is interpreted as a gemination sign. Possibly, the absence of -ya clusters in Dhivehi resulted in the respective conjuncts being reassigned for indicating geminates. The usage of -ya conjuncts as geminates are matter of orthography and or reinterpretation of conventional conjuncts. For this reason, these geminates are to be treated as regular conjuncts of the actual underlying letters.

 glyph	'geminate'	real cluster	character sequence
මා	'tta'	tya	<⊕ ta, [] virama, ≈ ya>
ધ્ય	'ssa'	sya	<⊱ sa, [଼ virama, ର ya>

4.9 Nukta

The <code>? NUKTA</code> is used for representing new sounds. It is written beneath a letter whose base value most closely approximates the foreign sound.

4.10 Line-breaking

Formal rules for line-breaking do not exist. Hyphenation and other continuation marks are not used. A word may be broken along orthographic syllables at any position at the end of a line. Two-part vowel signs are broken across lines in some sources, with the left-side element at the end of line and the base and right-side ligature at the beginning of the next line. Allowance for such line breaks is needed for accurately representing text as it appears in a particular source. However, for general purposes, the components of two-part vowel signs should be kept together with the base, for example, the left-side element should not be separated from the syllable at the end of line.

4.11 Collation

The default sort order for the script is based upon the Brahmi pattern:

The 3 PREFIXED NASAL SIGN is to be sorted in the same position as 3 NGA. For cases such as 3 \dot{n} ga and 3 \dot{n} ga, the NGA should be ordered before PREFIXED NASAL SIGN.

The following characters have secondary weights:

```
° ANUSVARA, ° CANDRABINDU, O NUKTA, O HALANTA
```

5 Character Data

5.1 Unicode character data: UnicodeData.txt

```
11B00; DIVES AKURU LETTER A; Lo; 0; L;;;;; N;;;;;
11B01; DIVES AKURU LETTER AA; Lo; 0; L;;;;; N;;;;
11B02; DIVES AKURU LETTER I; Lo; 0; L;;;;; N;;;;;
11B03; DIVES AKURU LETTER II; Lo; 0; L;;;;; N;;;;;
11B04; DIVES AKURU LETTER U; Lo; 0; L;;;;; N;;;;
11B05; DIVES AKURU LETTER UU; Lo; 0; L;;;;; N;;;;;
11B06; DIVES AKURU LETTER E; Lo; 0; L;;;;; N;;;;;
11B07; < reserved>
11B08; < reserved>
11B09; DIVES AKURU LETTER O; Lo; 0; L; ;; ;; N; ;; ;;
11B0A; < reserved>
11B0B; < reserved>
11BOC; DIVES AKURU LETTER KA; Lo; 0; L;;;;; N;;;;
11BOD; DIVES AKURU LETTER KHA; Lo; 0; L;;;;; N;;;;;
11B0E; DIVES AKURU LETTER GA; Lo; 0; L;;;;; N;;;;
11BOF; DIVES AKURU LETTER GHA; Lo; 0; L;;;;; N;;;;
11B10; DIVES AKURU LETTER NGA; Lo; 0; L;;;;; N;;;;
11B11; DIVES AKURU LETTER CA; Lo; 0; L;;;;; N;;;;
11B12; DIVES AKURU LETTER CHA; Lo; 0; L;;;;; N;;;;;
11B13; DIVES AKURU LETTER JA; Lo; 0; L;;;;; N;;;;
11B14; < reserved>
```

```
11B15; DIVES AKURU LETTER NYA; Lo; 0; L;;;;; N;;;;
11B16; DIVES AKURU LETTER TTA; Lo; 0; L;;;;; N;;;;;
11B17; < reserved>
11B18; DIVES AKURU LETTER DDA; Lo; 0; L;;;;; N;;;;
11B19; DIVES AKURU LETTER DDHA; Lo; 0; L;;;;; N;;;;
11B1A; DIVES AKURU LETTER NNA; Lo; 0; L;;;;; N;;;;
11B1B; DIVES AKURU LETTER TA; Lo; 0; L;;;;; N;;;;
11B1C; DIVES AKURU LETTER THA; Lo; 0; L;;;;; N;;;;;
11B1D; DIVES AKURU LETTER DA; Lo; 0; L;;;;; N;;;;;
11B1E; DIVES AKURU LETTER DHA; Lo; 0; L;;;;; N;;;;
11B1F; DIVES AKURU LETTER NA; Lo; 0; L;;;;; N;;;;;
11B20; DIVES AKURU LETTER PA; Lo; 0; L;;;;; N;;;;
11B21; DIVES AKURU LETTER PHA; Lo; 0; L;;;;; N;;;;
11B22; DIVES AKURU LETTER BA; Lo; 0; L;;;;; N;;;;;
11B23; DIVES AKURU LETTER BHA; Lo; 0; L;;;;; N;;;;;
11B24; DIVES AKURU LETTER MA; Lo; 0; L;;;;; N;;;;
11B25; DIVES AKURU LETTER YA; Lo; 0; L;;;;; N;;;;
11B26; DIVES AKURU LETTER YYA; Lo; 0; L;;;;; N;;;;
11B27; DIVES AKURU LETTER RA; Lo; 0; L;;;;; N;;;;
11B28; DIVES AKURU LETTER LA; Lo; 0; L;;;;; N;;;;
11B29; DIVES AKURU LETTER VA; Lo; 0; L;;;;; N;;;;
11B2A; DIVES AKURU LETTER SHA; Lo; 0; L;;;;; N;;;;
11B2B; DIVES AKURU LETTER SSA; Lo; 0; L;;;;; N;;;;
11B2C; DIVES AKURU LETTER SA; Lo; 0; L;;;;; N;;;;
11B2D; DIVES AKURU LETTER HA; Lo; 0; L;;;;; N;;;;
11B2E; DIVES AKURU LETTER LLA; Lo; 0; L;;;;; N;;;;;
11B2F; DIVES AKURU LETTER ZA; Lo; 0; L;;;;; N;;;;
11B30; DIVES AKURU VOWEL SIGN AA; Mc; 0; L;;;;; N;;;;;
11B31; DIVES AKURU VOWEL SIGN I; Mc; 0; L;;;;; N;;;;;
11B32; DIVES AKURU VOWEL SIGN II; Mc; 0; L;;;;; N;;;;
11B33; DIVES AKURU VOWEL SIGN U; Mc; 0; L;;;;; N;;;;;
11B34; DIVES AKURU VOWEL SIGN UU; Mc; 0; L;;;;; N;;;;
11B35; DIVES AKURU VOWEL SIGN E; Mc; 0; L;;;;; N;;;;
11B36; < reserved>
11B37; DIVES AKURU VOWEL SIGN AI; Mc; 0; L;;;;; N;;;;;
11B38; DIVES AKURU VOWEL SIGN O; Mc; 0; L; 11B35 11B30;;;; N;;;;
11B39; < reserved>
11B3A; < reserved>
11B3B; DIVES AKURU SIGN ANUSVARA; Mn; 0; NSM;;;;; N;;;;
11B3C; DIVES AKURU SIGN CANDRABINDU; Mn; 0; NSM; ; ; ; ; ; ; ;
11B3D; DIVES AKURU SIGN HALANTA; Mc; 9; L;;;;; N;;;;;
11B3E; DIVES AKURU VIRAMA; Mn; 9; NSM;;;;; N;;;;;
11B3F; DIVES AKURU PREFIXED NASAL SIGN; Mn; 0; NSM;;;;; N;;;;;
11B40; DIVES AKURU SIGN NUKTA; Mn; 7; NSM; ; ; ; ; N; ; ; ;
11B41; DIVES AKURU DOUBLE DANDA; Po; 0; L;;;;; N;;;;;
11B42; DIVES AKURU GAP FILLER; Po; 0; L;;;;; N;;;;;
11B43; DIVES AKURU END OF TEXT MARK; Po; 0; L;;;;; N;;;;;
11B50; DIVES AKURU DIGIT ZERO; Nd; 0; L;; 0; 0; 0; N;;;;;
11B51; DIVES AKURU DIGIT ONE; Nd; 0; L;; 1; 1; 1; N;;;;;
11B52; DIVES AKURU DIGIT TWO; Nd; 0; L;; 2; 2; 2; N;;;;;
11B53; DIVES AKURU DIGIT THREE; Nd; 0; L; ; 3; 3; 3; N; ; ; ;
11B54; DIVES AKURU DIGIT FOUR; Nd; 0; L; ; 4; 4; 4; N; ; ; ;
11B55; DIVES AKURU DIGIT FIVE; Nd; 0; L; ; 5; 5; 5; N; ; ; ; ;
11B56; DIVES AKURU DIGIT SIX; Nd; 0; L; ; 6; 6; 6; N; ; ; ;
11B57; DIVES AKURU DIGIT SEVEN; Nd; 0; L;; 7; 7; 7; N;;;;
11B58; DIVES AKURU DIGIT EIGHT; Nd; 0; L; ; 8; 8; 8; N; ; ; ;
11B59; DIVES AKURU DIGIT NINE; Nd; 0; L; ; 9; 9; 9; N; ; ; ;
```

5.2 Linebreak data: LineBreak.txt

```
11B00..11B06;AL  # DIVES AKURU LETTER A..DIVES AKURU LETTER E

11B08;AL  # DIVES AKURU LETTER O

11B0C..11B13;AL  # DIVES AKURU LETTER KA..DIVES AKURU LETTER JA

11B15..11B16;AL  # DIVES AKURU LETTER NYA..DIVES AKURU LETTER TTA

11B18..11B2F;AL  # DIVES AKURU LETTER DDA..DIVES AKURU LETTER ZA

11B30..11B35;CM  # DIVES AKURU VOWEL SIGN AA..DIVES AKURU VOWEL SIGN E

11B37..11B38;CM  # DIVES AKURU VOWEL SIGN AI..DIVES AKURU VOWEL SIGN O

11B3B..11B3D;CM  # DIVES AKURU SIGN ANUSVARA..DIVES AKURU SIGN HALANTA

11B3E;CM  # DIVES AKURU VIRAMA

11B3F;CM  # DIVES AKURU PREFIXED NASAL SIGN

11B40;CM  # DIVES AKURU SIGN NUKTA

11B41..11B43;BA  # DIVES AKURU DOUBLE DANDA..DIVES AKURU END OF TEXT MARK

11B50..11B59;NU  # DIVES AKURU DIGIT ZERO..DIVES AKURU DIGIT NINE
```

5.3 Indic syllabic categories: IndicSyllabicCategory.txt

```
# Indic Syllabic Category=Bindu
11B3D..11B3E ; Bindu
                                # Mn [2] DIVES AKURU SIGN ANUSVARA..
                                           DIVES AKURU SIGN CANDRABINDU
# Indic Syllabic Category=Nukta
11B40
            ; Nukta
                                # Mn
                                           DIVES AKURU SIGN NUKTA
# Indic_Syllabic_Category=Pure_Killer
11B3D
            ; Pure Killer
                                # Mn
                                           DIVES AKURU SIGN HALANTA
# Indic Syllabic Category=Invisible Stacker
            ; Invisible Stacker # Mn
11B3F
                                           DIVES AKURU VIRAMA
# Indic Syllabic Category=Vowel Independent
11B00..11B06; Vowel Independent # Lo
                                     [7] DIVES AKURU LETTER A..
                                           DIVES AKURU LETTER E
            ; Vowel Independent # Lo
                                      [2] DIVES AKURU LETTER O
11B09
# Indic Syllabic Category=Vowel Dependent
11B30..1B35 ; Vowel Dependent # Mc [6] DIVES AKURU VOWEL SIGN AA..
                                           DIVES AKURU VOWEL SIGN E
11B37..11B38 ; Vowel Dependent
                                # Mc [2] DIVES AKURU VOWEL SIGN AI..
                                           DIVES AKURU VOWEL SIGN O
# Indic Syllabic Category=Consonant
11B0C..11B13 ; Consonant
                                # Lo
                                       [8] DIVES AKURU LETTER KA..
                                           DIVES AKURU LETTER JA
11B15..11B15 ; Consonant
                                # Lo
                                       [2] DIVES AKURU LETTER NYA..
                                           DIVES AKURU LETTER TTA
11B18..11B2F ; Consonant
                                # Lo [25] DIVES AKURU LETTER NYA..
```

DIVES AKURU LETTER ZA

5.4 Indic positional categories: IndicPositionalCategory.txt

```
# Indic_Positional_Category=Right
11B30..11B34 ; Right
                                  [5] DIVES AKURU VOWEL SIGN AA..
                                      DIVES AKURU VOWEL SIGN UU
11B3D
          ; Right # Mc
                                      DIVES AKURU SIGN HALANTA
# Indic_Positional_Category=Left
11B35
           ; Left
                            # Mc
                                    DIVES AKURU VOWEL SIGN E
11B37
           ; Left
                            # Mc
                                     DIVES AKURU VOWEL SIGN AI
# Indic_Positional_Category=Left_And_Right
11B38
            ; Left_And_Right # Mc
                                    DIVES AKURU VOWEL SIGN O
# Indic Positional Category=Top
11B3B..11B3C ; Top
                          # Mn [2] DIVES AKURU SIGN ANUSVARA..
                                      DIVES AKURU SIGN CANDRABINDU
11B3F ; Top
                            # Mn
                                      DIVES AKURU PREFIXED NASAL SIGN
# Indic Positional Category=Bottom
                       # Mn DIVES AKURU SIGN NUKTA
           ; Bottom
```

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	11B0	11B1	11B2	11B3	11B4	11B5
0	&	3	ع ن 11B20)	11B40	O 11B50
1	& 3)	11B11	11B21	11B31	11841)
2	3	29	1 1B22	3	3	3
3	3 33	2 e	%	<u>ာ</u>	S —	3
4	ئ		2	11B34		5 11B54
5	ئ	7	a 11B25	9 0		9
6	11806	2 11B16	11B26	7,555		5
7	1100	11010	D	990		စ
8		જ	11B27 e	9)		11857
9	ಬ	11B18 %	11B28 Z	11B38		11B58
Α	11B09	11B19 S	11B29			11B59
В		11B1A 3	11B2A	ै		
С	ඔ	11B1B	11B2B	11B3B		
D	11B0C	11B1C	11B2C	11B3C		
E	11B0D 5	11B1D	11B2D 3	11B3D		
F	11B0E	11B1E	11B2E	11B3E		
•	11B0F	11B1F	11B2F	11B3F		

This block supports both Evela Akuru and Dives Akuru.

Independent vowels

11B00	જુ	DIVES AKURU LETTER A
11B01	ക്കു	DIVES AKURU LETTER AA
11B02	જી	DIVES AKURU LETTER I
11B03	જી	DIVES AKURU LETTER II
11B04	Z	DIVES AKURU LETTER U
11B05	S	DIVES AKURU LETTER UU
11B06	ಶು	DIVES AKURU LETTER E
11B07		<reserved></reserved>
11B08		<reserved></reserved>
11B09	ಒ	DIVES AKURU LETTER O
11B0A		<reserved></reserved>
11B0B		<reserved></reserved>

Consonants

```
11B0C  DIVES AKURU LETTER KA
11B0D 2 DIVES AKURU LETTER KHA
11B0E 9 DIVES AKURU LETTER GA
11B0F ພ DIVES AKURU LETTER GHA
11B10 3 DIVES AKURU LETTER NGA
11B11 ບ DIVES AKURU LETTER CA
11B12 9 DIVES AKURU LETTER CHA
11B13 % DIVES AKURU LETTER JA
11B14 Sereserved>
11B15 7 DIVES AKURU LETTER NYA
11B16 2 DIVES AKURU LETTER TTA
11B17
        <reserved>
11B18 % DIVES AKURU LETTER DDA
11B19 ఒ DIVES AKURU LETTER DDHA
11B1A ♥ DIVES AKURU LETTER NNA
11B1B 3 DIVES AKURU LETTER TA
11B1C & DIVES AKURU LETTER THA
11B1D з
        DIVES AKURU LETTER DA
11B1E w DIVES AKURU LETTER DHA
11B1F → DIVES AKURU LETTER NA
11B21 2 DIVES AKURU LETTER PHA
11B22 ຶນ DIVES AKURU LETTER BA
11B23 % DIVES AKURU LETTER BHA
11B24 % DIVES AKURU LETTER MA
11B25 ≥ DIVES AKURU LETTER YA
         · used as a carrier for representing
         independent and initial vowels
11B26 w DIVES AKURU LETTER YYA
11B27 b DIVES AKURU LETTER RA
11B28 

DIVES AKURU LETTER LA
11B29 % DIVES AKURU LETTER VA
11B2A % DIVES AKURU LETTER SHA
11B2B 28 DIVES AKURU LETTER SSA
11B2C ₻ DIVES AKURU LETTER SA
11B2D 😊 DIVES AKURU LETTER HA
11B2E 3 DIVES AKURU LETTER LLA
11B2F ఒ
        DIVES AKURU LETTER ZA
```

Dependent vowel signs

•	•
11B30 ා	DIVES AKURU VOWEL SIGN AA
11B31 ා	DIVES AKURU VOWEL SIGN I
11B32 ്	DIVES AKURU VOWEL SIGN II
11B33 ു	DIVES AKURU VOWEL SIGN U
11B34 ു	DIVES AKURU VOWEL SIGN UU
11B35 ം	DIVES AKURU VOWEL SIGN E
11B36 🔘	<reserved></reserved>
11B37 99	DIVES AKURU VOWEL SIGN AI
11B38 ໑າ	DIVES AKURU VOWEL SIGN O
	≡ 11B35 ∘ 11B30 ා

11B39	<reserved> <reserved></reserved></reserved>
11B3A	<reserved></reserved>

Nasalization signs

11B3B	ಿ	DIVES AKURU SIGN ANUSVARA
11B3C	័	DIVES AKURU SIGN CANDRABINDU

Halanta

11B3D ODIVES AKURU SIGN HALANTA = sukun

silences the inherent vowel

Virama

11B3E 📮 DIVES AKURU VIRAMA • used only for conjunct production

Prefixed nasal sign

11B3F 3 DIVES AKURU PREFIXED NASAL SIGN used for cluster-initial homorganic nasal

Nukta

11B40 DIVES AKURU SIGN NUKTA • modern sign used for extending the

alphabet

Punctuation

11B41 " DIVES AKURU DOUBLE DANDA 11B42 3 DIVES AKURU GAP FILLER 11B43 ► DIVES AKURU END OF TEXT MARK

Digits

11B50 • DIVES AKURU DIGIT ZERO 11B51 DIVES AKURU DIGIT ONE 11B52 DIVES AKURU DIGIT TWO 11B53 3 DIVES AKURU DIGIT THREE 11B54 e DIVES AKURU DIGIT FOUR 11B55 5 DIVES AKURU DIGIT FIVE 11B56 S DIVES AKURU DIGIT SIX 11B57 ? DIVES AKURU DIGIT SEVEN 11B58 4 DIVES AKURU DIGIT EIGHT 11B59 & DIVES AKURU DIGIT NINE

Skt.	Dhiv.	PI	SI	Lı-3	L ₄	L_5	L6	L7	L8	Fı	F2	Fi	058	F ₃	F4	MM	F5	F6	F7	F8	F9	F13	F1153
а	а	54	80	80	20	7 0	300					2/0	250										
ka	١.	1	O	B	B	B	B	8	8	Ð	30	3	3	છે	Ø	\mathfrak{D}	Ø	Ø	3	Ø	99	&	99
k^ba	} ka	2		೨																			
ga	1	0	0	6	5	9	9	b		9	5	6	િ	Ś	P	5	છ	છ	P	\mathcal{L}	ந	6	3
$g^{l_1}a$	} ga		U	25		*																	
'nа	(<i>na</i>) (gem.)			3	3	3	٦	3	3	27	3	3	2	J	າ	3	9	3	3	5	3	3	
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$c^{l_2}a$	} ha, sa	B		85	3																		
ja	ì .	8		ઢ	٤																		
j ^b a	da																						
ña	(nya)			ਿ																			
ţa)	<	~	0	0	υ	υ	ય	ツ	v	2	S	2	S	S	2	3	2	S	3	3	3	2
$t^{h}a$	}	a																					
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$d^{b}a$	} ḍa			\$																			
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ta	ta	φ	7)	b	න	b	89	ъ	9	Ð	30	8	9	Э	B	3	B	$\boldsymbol{\vartheta}$	3	Ð	ூ	Э	Ø
$t^{h}a$	(gem.)		10	8	6	6	ফ	6		Ø		હ		6	6	6	6	6	6		c	Ø	6
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)	2	2	と	2	ッ	ッ	n	ته	N	2	n	•	~	م	م	~	n	െ	n,	~	ر	no
рa	} pa																		~				
$p^{b}a$	J			3																			
ba	1	0	2	n	r	v	ער	ಹ	W	a	w	2	w	ಶ	ov	00	လ	~ ,	Z	ov	σv	လ	o2)
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ma	ma									B						-		உ					
		Ш																					

Figure 1: Inventory of Dives Akuru letters A, KA .. MA across various $l\bar{o}m\bar{a}f\bar{a}nu$ and fatkoļu (from Gippert 2013: Table 1). Continued in figure 2.

Skt.	Dhiv.	PΙ	SI	L _I -3	L4	L_5	L6	L7	L8	Fı	F2	Fı	058	F ₃	F4	MM	F5	F6	F7	F8	F9	F13	F1153
ya	(y)a	Ш	W	œ	a)	w	Ø	න	න	a	æ	62	D	a)	Ø)	ಖ	On	യ	823	æ	oras	_w	മാ
ra	ra	1	U	0	\mathcal{J}	б	४	δ	٥	૪	\mathcal{O}	Ø	Ò	Q	δ	9	0	O	O	ð	ð	б	0
la	la	่อ	0	O	ಲ	ب	೮	v	e	v	Ø	e	e	ی	છ	2	0	e	ಲ	v	e)	ட	0)
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śa)			E	40	ঠ	ఉ																
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sa	ha, sa	77	2	~	\sim	& >	ઇ	દ્ભ	హ	w	Ev	ويه	200	ಕ್ಟ	હ્મ	8	J	رچ	3	E	E	ಒ	W?
ha	J	20	7	\supset	7	2	9	✨	R	29	\mathcal{D}	45	33	₹ 5	25	3	ses)	_E	20	w	פינ	ക	פעיי
	,		Z	S	Z	\mathcal{Z}	ъ	2		ъ	3	ટ		જ	ಬ	T,	જુ		3	3	3	3	
ļa	ļa												30					32					30
	za												رج										

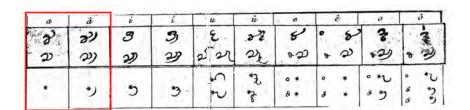
Figure 2: Inventory of Dives Akuru letters ya .. za across various *lōmāfānu* and *fatkoļu* (from Gippert 2013: Table 1). Continued from figure 1.



Usage of ya forms for $\otimes a$ (red) and $\otimes a$ (blue) in L2.



Usage of & A (red) and & AA (blue) in L3.



Forms used for *a* in G (excerpted from fig. 49).

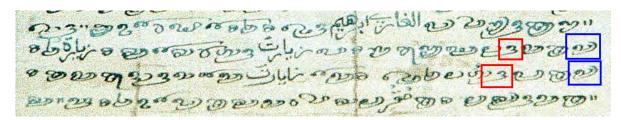
Figure 3: Specimens of the vowel letters A and AA.



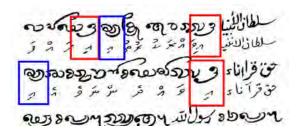
Usage of the vowel letter \S_1 and the *ya*-form yi in L2.



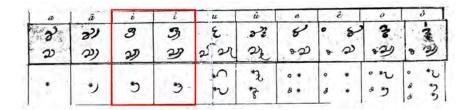
Usage of the vowel letter \S 1 in L3.



Usage of the vowel letter \Im I and the *ya*-form *yi* in F6.



Independent form of i written using the variant \Im (red) of \Im 1 and the ya-form \Im yi (blue) in Sidi (1959: 16).

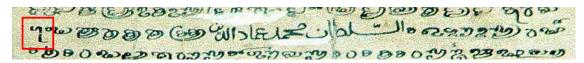


Specimen of *i* in G (excerpted from fig. 49).

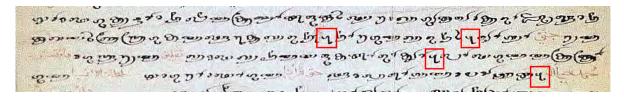
Figure 4: Specimens of the vowel letter I.



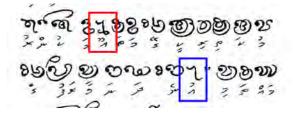
Usage of vu u in L3.



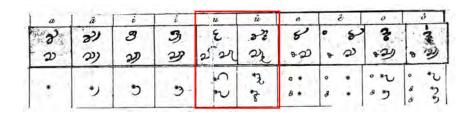
Shape of \mathcal{U} U in F6.



Shape of U in F8.



Representation of \upOmega u as \upOmega (blue) and \upOmega uu as variant \upOmega (red) in Sidi (1959: 29).

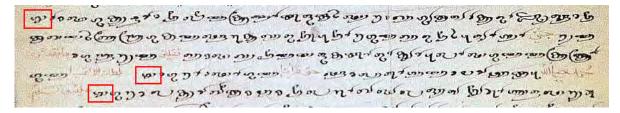


Specimen of *u* in G (excerpted from fig. 49).

Figure 5: Specimens of the vowel letters U and UU.



Usage of \mathfrak{D} E and the *ya*-form *ye* in L4.



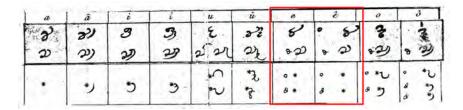
Shape of & E in F8.



Shape of & E in F9.



Shape of & E in F11.

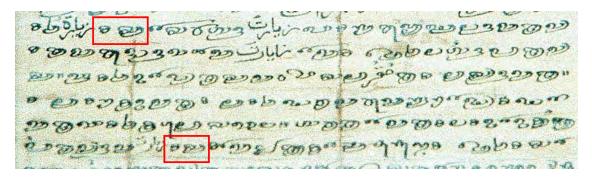


Specimen of *e* in G (excerpted from fig. 49).

Figure 6: Specimens of the vowel letter E.



Usage of 20 o in L3.



Usage of the ya-form of 920) o in F6.

a l â		i	i	u	û	е	è	. 0 .	0
2	رده	3	3	2 27	27	820	· 5	3	8 3
•	•)	5	3	3.5	*2	8 *	o *	**\ **9	· *0

Specimen of o in G (excerpted from fig. 49).

Figure 7: Specimens of the vowel letter o.



Shape of VOWEL SIGN AA in L1.

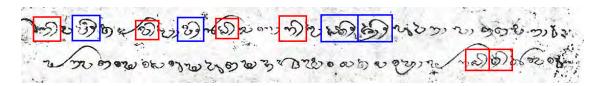


Shape of VOWEL SIGN AA in F12. Compare to VOWEL SIGN I (green).

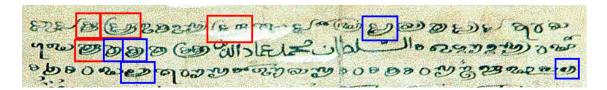
Figure 8: Specimens of VOWEL SIGN AA.



Shape of vowel sign I and vowel sign II in L2.



Shape of vowel sign I and vowel sign II in L5.

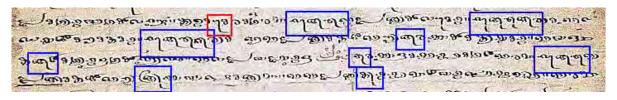


Shape of vowel sign I and vowel sign II in F6.

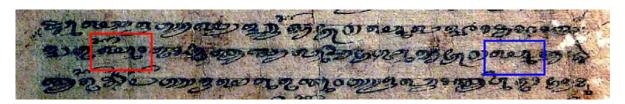
Figure 9: Specimens of vowel sign I and vowel sign II.



The η vowel sign u (red) and η vowel sign uu (blue) in L4.



The J vowel sign u written with the later form J in F5.



The η vowel sign u and η vowel sign uu in F1153 written, respectively, with the forms η and η in dhu and $dh\bar{u}$.

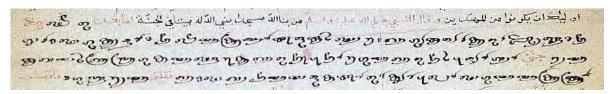


Usage of Jowel sign uu in L2.

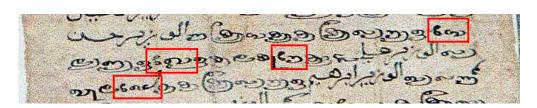
Figure 10: Specimens of the of vowel sign u and of vowel sign uu.



Usage of 9° vowel sign e in L1.



Usage of 90 vowel sign E in F8.



Idiosyncratic form \square of \mathfrak{S} vowel sign E in F12.

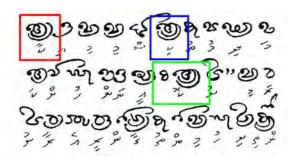


Usage of 99° vowel sign at in lai in L2.

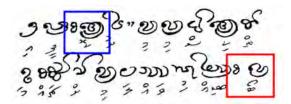
Figure 11: Specimens of VOWEL SIGN E and VOWEL SIGN AI.



Usage of VOWEL SIGN 0 in L2.



Representation of the vowel signs a, i, and o with ka in Sidi (1959: 24). The excerpt shows the syllable ko (green) written with a variant of 90 vowel sign 0 whose right-side element attaches to the base, similar to the behavior of the \circ 0 vowel sign i in ki (blue), which differs from the \circ 0 vowel sign AA, which does not attach to the base.



Representation of dependent signs for the vowels o and \bar{o} in Sidi (1959: 24). The excerpt shows the syllable ko and $b\bar{o}$, both written using the same vowel sign. It suggests that these vowels were not differentiated by the time of Sidi's writing. Both vowels may be represented using the proposed 907 vowel SIGN 0.

Figure 12: Specimens of vowel sign o.



Usage of $\ddot{\circ}$ Candrabindu in $o\dot{m}$ in IC 009, upper part (from Gippert 2014: fig. 7b).



Usage of ° ANUSVARA in mmam in L1.



Usage of $\mathring{\circ}$ anusvara in $n\bar{a}m$ in IC 009 (from Gippert 2014: fig. 7b).

Figure 13: Specimens of CANDRABINDU and ANUSVARA.



Usage of HALANTA for marking So sa in the cluster So sta (blue), and with Ta for indicating glottal stop using No (red) in F9.



Usage of \checkmark HALANTA with \gtrsim YA for representing \acute{u} in *uttara* in L8.



Usage of $\mathcal I$ HALANTA and $\mathcal I$ VOWEL SIGN $\mathcal U$ for writing bu in L3: the former sign occurs in $\mathcal V$ bu in dhabuduvu (red) and the latter in $\mathcal V$ $\mathcal I$ in budu (blue).

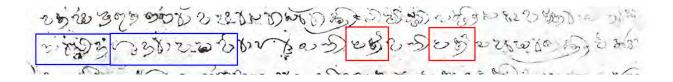


Usage of \checkmark HALANTA for marking both the vowel \acute{u} and bare consonants in L4. The sign represents the \acute{u} in the word $s\acute{u}t\acute{u}na$ (blue) with \hookleftarrow sA in s \acute{u} and \medspace $t\acute{u}$. The word gamis (red) contains a bare s written with HALANTA as \thickspace . The word kalavet (red) contains word-final t written as \medspace .

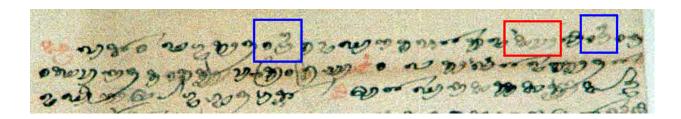
Figure 14: Representations of HALANTA.



The syllable $\frac{3}{2}$ nga written using the $\frac{3}{2}$ PREFIXED NASAL SIGN (red) and $\frac{3}{2}$ nga written as a conjunct.

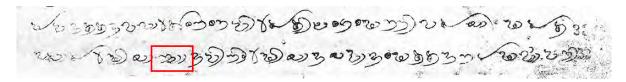


3 NGA in the clusters *nka* and *nga* in L5: *nārasinga* (blue), *angarāvadhama* (blue), and two instances of *lanka* (red).



3 NGA in the conjunct nge (red) and 3 PREFIXED NASAL SIGN in the syllable $nsv\bar{a}$ in F2.

Figure 15: Representations of the letter NGA.



Default form of \otimes ya as \circ in the conjunct *nya* in L5.



Examples of -ya conjuncts in L3: tya (red) in the name gaghanādītya and dya (blue) in the word rādya.

Figure 16: Representations of \approx ya.



 $^{\circ}$ repha in the rmma in the name darmmānanda (red), and $^{\circ}$ ra-kāra in tri in trinsati and $^{\circ}$ in L2. Also note the old form $^{\circ}$ of $^{\circ}$ RA (green).



A syllable which might be interpreted as either p_r or pru, in which the VOWEL SIGN U is written as a loop at the terminal of the $ra-k\bar{a}ra$.

Figure 17: Representations of **b** RA.

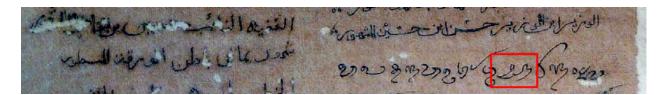
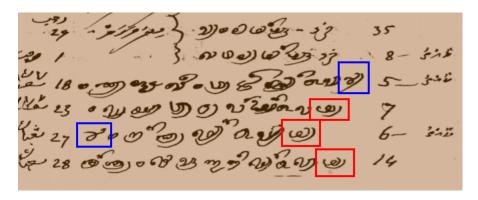
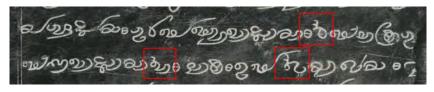


Figure 18: Usage of & z_A in the syllable $z\bar{\imath}$ in $vaz\bar{\imath}ru$ in F1058.

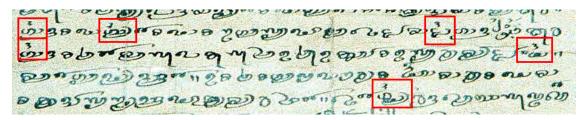


Usage of ω YYA in $y\bar{a}$ (red) in the word $rupiy\bar{a}$ in HMK (excerpted from fig. 34; analysis by Gippert, personal communication, December 2017). Shown for contrastive usage is ω YA in the ya-forms \bar{a} (blue; line 3) and a (blue, line 5).

Figure 19: Representations of the letter YYA.



Usage of the [3] PREFIXED NASAL SIGN in the syllables *ñre*, *ñmi*, and *ñba* in L8.

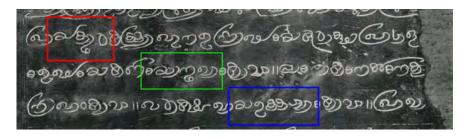


Usage of the 3 PREFIXED NASAL SIGN in F6, written detached from the letter in $n\bar{v}a$, $n\bar{v$



Compare the attached *ňsa* in L8 (here) with the detached *ňsa* in F6.

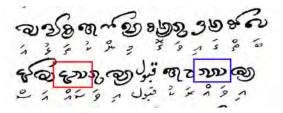
Figure 20: Representations of the PREFIXED NASAL SIGN.



Representations of geminate clusters tta and nna in L8. The first tta occurs in uttara (red) as the ligature $\mathcal{F}_{\mathbf{G}}$ ($\mathcal{F}_{\mathbf{G}}$ Tha). The second in amattavi (blue) as the touching conjunct $\mathcal{F}_{\mathbf{G}}$ ($\mathcal{F}_{\mathbf{G}}$ Tha). The nna occurs in onnami (green) as the ligature $\mathcal{F}_{\mathbf{G}}$ ($\mathcal{F}_{\mathbf{G}}$ NA + $\mathcal{F}_{\mathbf{G}}$ Tha).



The geminate cluster kka represented as \mathfrak{P}_{k} ktha in the word dakka'i in F3.



The geminate clusters ssa and vva represented as $\mathcal{E}V$ (\mathcal{E} $sA + \mathcal{Q}$ VA) (red) and $\mathcal{Q}V$ (\mathcal{Z} $VA + \mathcal{Q}$ VA) (blue), respectively in Sidi (1959: 22).

Figure 21: Representation of geminates using conjuncts.

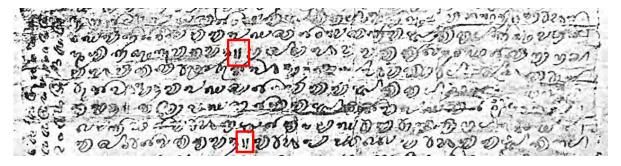


'Touching' conjuncts in L2, from top: 22 mma, 39 kka, 39 tka, 30 rgga, 30 tpa, 37 nna, 22 rmma.

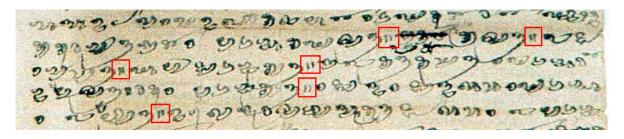


Comparison of the 'touching' conjunct 39 tka and the syllable sequence 39 taka in L4.

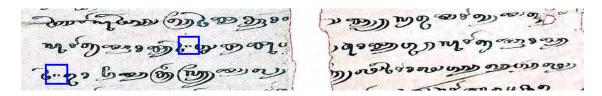
Figure 22: Specimens of 'touching' conjuncts.



Usage of the "DOUBLE DANDA in F1.



Usage of the "DOUBLE DANDA in F2.

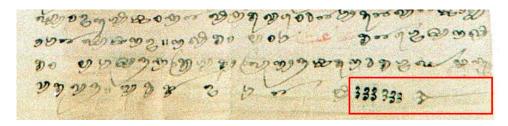


Usage of the " DOUBLE DANDA in F9.

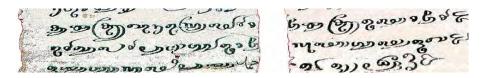
Figure 23: Usage of the "DOUBLE DANDA.



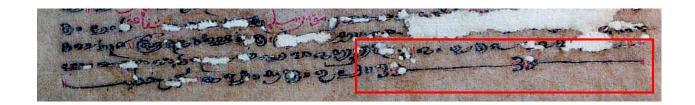
3 GAP FILLER at the end of lines in L5.



Usage of the 3 gap filler and \triangleright END of Text Mark at the end of F2.

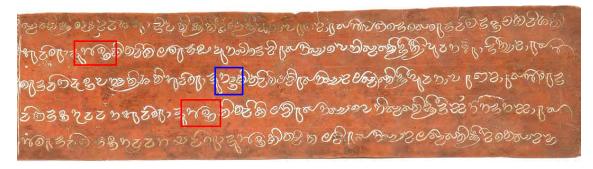


3 GAP FILLER and № END OF TEXT MARK at the end of F9.



" Double danda, 3 gap filler, and ▶ end of text mark in F1058.

Figure 24: Representations of " DOUBLE DANDA, 3 GAP FILLER, and ₺— END OF TEXT MARK.





The word boundary in the phrase $av\'urod\^un\ ikit$ written conventionally using "- \checkmark " (NA + HALANTA + yi for i) [red], and using a 'false conjunct' "- \checkmark " (NA + the ya-form for i) [blue] in L5. Compare to the actual conjunct nya in L5 shown in fig. 16.



The word boundary in the phrase *vat arndha* written using a 'false conjunct' "-ॐg-" (TA + A) in L2.



The word boundary in the phrase *asarakdān eki* written using a 'false conjunct' "-プン-" (NA + E) in L3.

Figure 25: Examples of 'false conjuncts'



Figure 26: IC 009: a Vajrayana statue from Māle (from Gippert 2013: figures 1, 3). The inscription has been traced in color by Gippert.



Figure 27: IC 010: a Vajrayana statue from Māle (from Gippert 2013: figures 2, 4). The inscription has been traced in color by Gippert.





Figure 28: L3: 'Dambidū Lōmāfānu'. Plates 1, 2 of 16. Image from Wikimedia Commons.



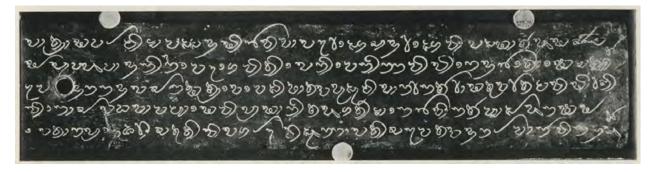


Figure 29: L6: Single plate. From Bell 1930: Plate I, "Lómáfánu No. 1".

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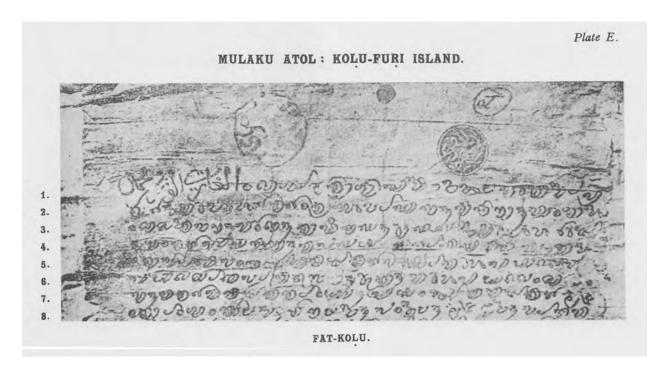


Figure 30: L7: Single plate. From Bell 1930: Plate II, "Lómáfánu No. 2".





Figure 31: L8: Single plate (fragment). From Bell 1930: Plate III, IV, "Lómáfánu No. 3".



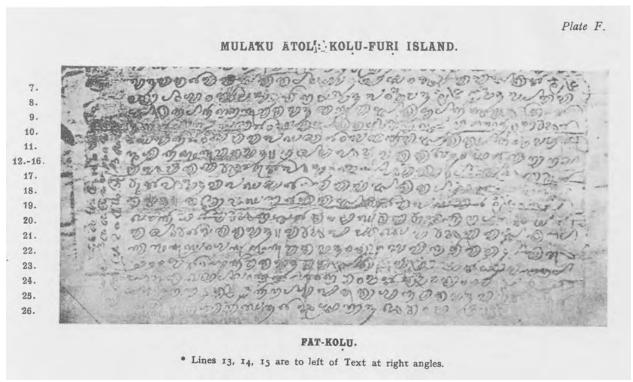


Figure 32: F1: 'Kolufuśi Fatkolu' (from Bell 1929: Plate E and Plate F).

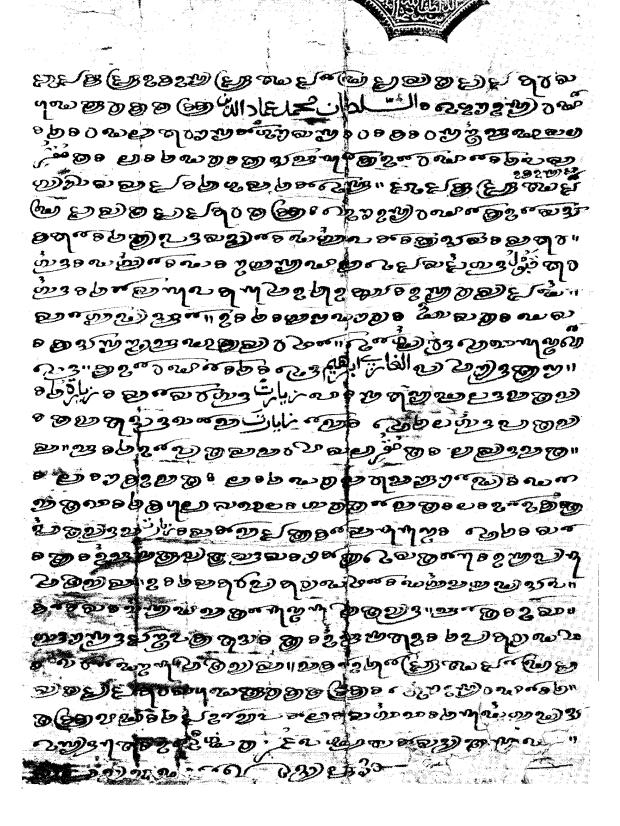


Figure 33: F6: 'Hannamīdū Fatkoļu' of Muhammad Imaduddin (from Naseema 1999: 30).

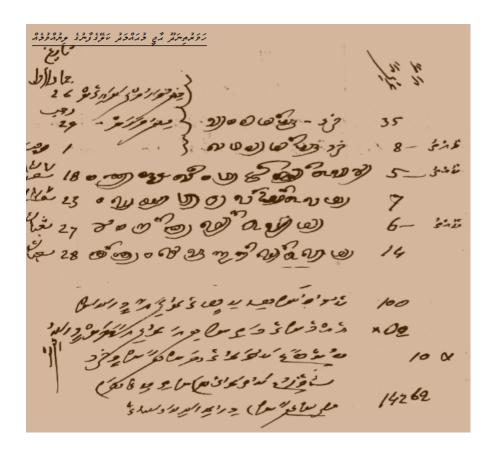


Figure 34: A document of Hajji Muhammad Kalegefanu from Havaru Tinadu in Huvadu atoll written in Dives Akuru, Thaana, and Arabic, dated 1346 AH (c. 1927 CE). Image from www.galehiri.

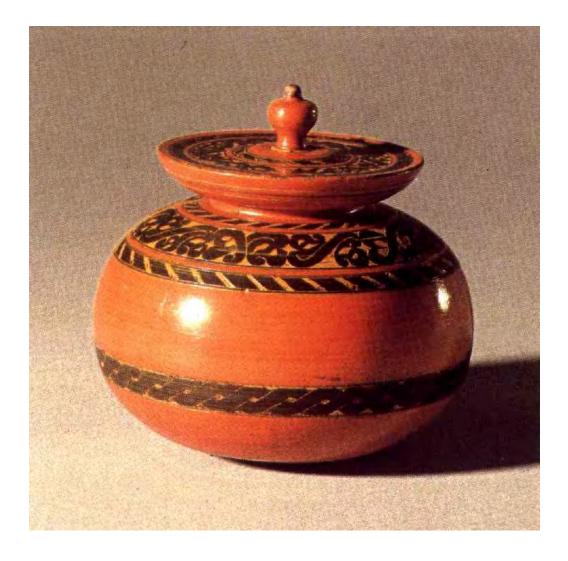


Figure 35: A lacquer jar with Dhives Akuru inscription from Tuḷādū in Baa Atoll, early 20th century. Image courtesy of Xavier Romero-Frias. Photo: Stephan Rebsamen, Bernisches Historisches Museum.

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Figure 36: Representation of 18th century Dives Akuru based upon Thaana features: Basic consonant letters (from Sidi 1959: 4). The order follows that of Thaana.

0



Figure 37: Representation of 18th century Dives Akuru based upon Thaana features: Consonant vowel combination with VOWEL SIGN I (from Sidi 1959: 5).



Figure 38: Representation of 18th century Dives Akuru based upon Thaana features: Consonant vowel combination with VOWEL SIGN U (from Sidi 1959: 6).



Figure 39: Representation of 18th century Dives Akuru based upon Thaana features: Consonant vowel combination with VOWEL SIGN E (from Sidi 1959: 7).



Figure 40: Representation of 18th century Dives Akuru based upon Thaana features: Consonant vowel combination with vowel sign o (from Sidi 1959: 8).



Figure 41: Representation of 18th century Dives Akuru based upon Thaana features: Consonant vowel combination with vowel SIGN AA (from Sidi 1959: 9).



Figure 42: Representation of 18th century Dives Akuru based upon Thaana features: Consonant vowel combination with VOWEL SIGN II (from Sidi 1959: 10).



Figure 43: Representation of 18th century Dives Akuru based upon Thaana features: Consonant vowel combination with vowel sign uu (from Sidi 1959: 11).



Figure 44: Representation of 18th century Dives Akuru based upon Thaana features: Consonant vowel combination with VOWEL SIGN E for representing the Dhivehi long vowel \bar{e} (from Sidi 1959: 12).



Figure 45: Representation of 18th century Dives Akuru based upon Thaana features: Consonant vowel combination with VOWEL SIGN 0 for representing the Dhivehi long vowel \bar{o} (from Sidi 1959: 13).



Figure 46: Representation of 18th century Dives Akuru based upon Thaana features: Various alternate forms of letters and some Dives Akuru forms of Thaana *sukun* letters (from Sidi 1959: 14).

Figure 47: Specimen of 20th century Dives Akuru in Sidi (1959: 15).

Figure 48: Specimen of 20th century Dives Akuru in Sidi (1959: 16).

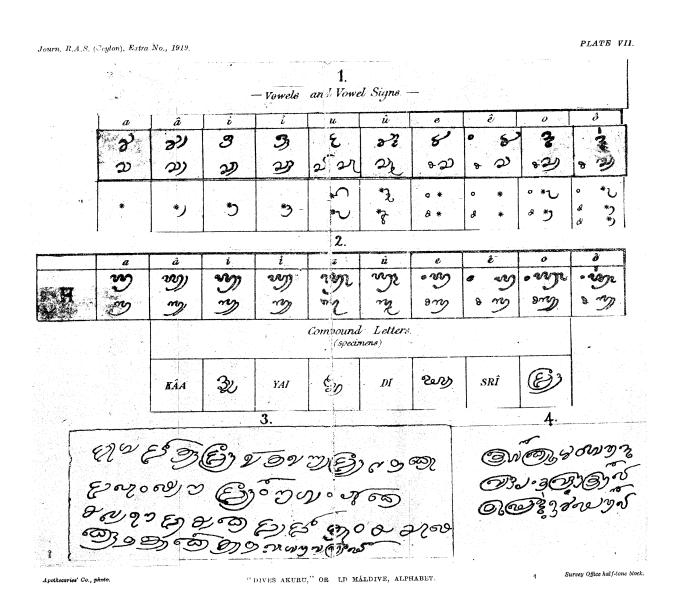


Figure 49: Wilhelm Geiger's table showing vowel letters, 2) consonant-vowel combinations for *ha*, 3) and 4) specimens of '*dives akuru*' (1919: Plate VII).

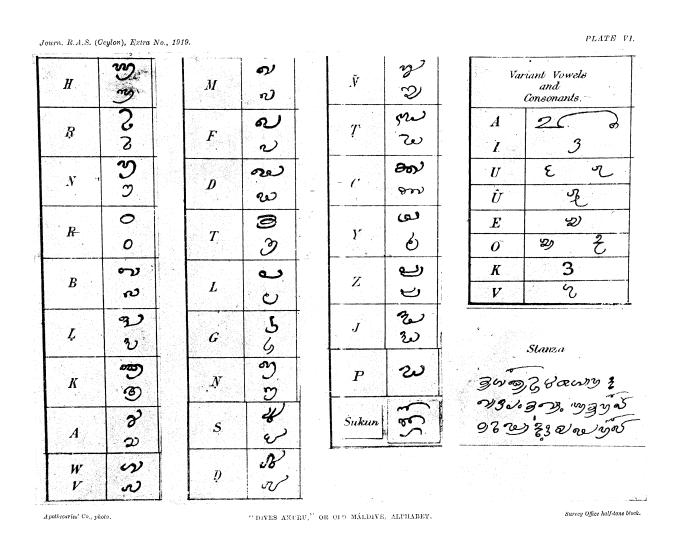


Figure 50: Wilhelm Geiger's chart comparing 'dives akuru' and 'evēla akuru' (1919: Plate VI).

Early Divehi Akuru (Evela Akuru)

Figure 51: Chart of 'Early Divehi Akuru' (from Romero-Frias 2003).

Latter Divehi Akuru (Divehi Akuru)

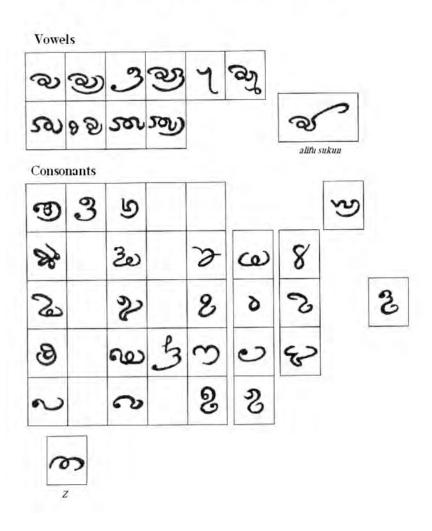


Figure 52: Chart of 'Later Divehi Akuru' (from Romero-Frias 2003).

Eveyla Akuru

'Eveyla Akuru' is the system of writing used in Maldives in the 12th century AD and possibly some centuries earlier. Early 'Eveyla Akuru' writing has been found on madrepore stelae, tentatively dated to *circa* 9th - 10th century AD. The later 'Eveyla Akuru' is found in copperplate writings of the late 12th century, i.e. 1194/1195, called *loamaafaanu*, official records of land grants awarded to mosques built by ruling sultans after the conversion to Islam. These later scripts have been deciphered and their transliteration gives us a guide to ancient Divehi writing and language.

All ancient scripts were called 'Dives Akuru' or 'Divehi Akuru', literally meaning 'scripts of island people', by Maldivians. When H. C. P. Bell visited Maldives in 1922, he styled this particular ancient script, 'Eveyla Akuru' for convenient distinguishment from its' later variant called Dives Akuru (Bell. 1922). Eveyla means 'ancient' in the Divehi language. (The word e means 'that' and veyla is time or period; thus together eveyla means 'that time', or 'ancient'). Eveyla Akuru, therefore simply means 'ancient letters' and the name has remained until the present time.

The Eveyla script in this book dates back to 1194/1195 AD, and is taken from copperplate grants of the twelfth century as well as from the work done by the late Divehi scholar, Ali Najeeb. The script in general bears a strong resemblance to the old Grantha, Vatteluttu and Sinhala Elu scripts and the present day Malayalam script. This leads to the conjecture that the old Eveyla script could be a direct descendent from the Southern scripts of the Indian subcontinent.

The close resemblance of this script to the Sinhala Elu script of the 10th to the 12th century AD, has been remarked by many writers. According to M. W. Sugathapala de Silva, Wilhelm Geiger, who studied Eveyla Akuru, said that the affinity was 'not so much with Medieval Sinhalese as to the Tulu of the Malabar District of Southern India, which lie opposite the Laccadive and Maldive Islands, or doubtless, even more nearly to an older Grantha type of Tulu-Malayalam, or *Arya Eluttu*'.

The system of writing in Eveyla Akuru is syllabic in structure. Letters are written from left to right, spacing of words is not observed and the writing is broken off at the end of a line. As a result, the line may end or begin in the middle of a word.

The letters represent two categories of sounds, vowels and consonants. In the initial position vowels are represented in general by separate letters. Non-initially, they are shown by vowel-strokes or *fili*. A fili may occur in front of, after, above or below a consonant. When a consonant is written separately,

Figure 53: Description of evēla akuru (from Naseema 1999: 11).

without a fili and unattached to another letter, it symbolizes the consonant sound with the inherent vowel sound a.

e.g.:
$$\bigcirc$$
 ka, \bigcirc ga, \bigcirc ma.

The vowel symbols used in Eveyla Akuru are listed with their corresponding phonological values in TABLE NO 1. (Maniku, Wijewardene, 1986) These symbols were generally used in the initial position of words, and fili (vowel strokes) were used in non-initial positions.

OWEL SYMBOLS
Sound
a
a
ā
ā
i
i
u
e or ē
o or ö

Figure 54: Description of evēla akuru (from Naseema 1999: 12).

The following 'fili' (vowel strokes) are used to represent vowel sounds (Najeeb, Shafeeq, 1993).

TABLE NO.2. FILI (VOWEL STROKES)

Fili	Sound	Example	Transliteration
)	ā	ම ා	kā
)	i	B)	ki
3	ī	833	ki
	u	<u></u>	ku
C	u	නි	ku
ľ	u	کی	fu, pu
2	u	R	ru
<->	ū	M	fū, pū
9	e	200	ke
9	ē) D	k <u>e</u>
99	ai	Gee	kai
١ (o	nG e	ko
9 >	ō	9 ©)	ko

Figure 55: Description of evēla akuru (from Naseema 1999: 13).

The consonant symbols in Eveyla Akuru along with their phonological values are listed below (Maniku, Wijewardene 1986, Najeeb, Shafeeq 1993).

TABLE NO.3. CONSONANT SYMBOLS.		
Letter	Sound	
\sim	h	
J	s or ţ	
7	n	
<u></u>	ņ	
ß	Г	
ひ	b	
<u> </u>	ļ.	
<u>න</u> ව	k	
2	kh (aspirate)	
ಖ	a	
30	a	
۲	v	
<u> </u>	m	
2	f, p	

14

Figure 56: Description of evēla akuru (from Naseema 1999: 14).

کع

TABLE NO. 3 CONTINUED

Letter	Sound
می	d
_گ ی کی	d
	t
<u>න</u>	1
6	g
a	S
∆°	sh or s'
S	sh or s'
ぴ	sh
w	dh (aspirate)
ひ ひ ひ ひ	t or tt
رړ	у

In the transliteration and translation work done by the Maldivian scholars, the late Ali Najeeb and Ahmed Shafeeq, the letter ω was given the phonological value s' and the letter ω the value t.

In the transliteration and the translation of the *Isdhoo* and *Dhambidhoo* Loamaafaanus by Maldivian scholar Hassan Ahmed Maniku and Sri Lankan Professors C. D. Wijewardana and J. B. Dissanayeke, the letter ω was given the phonological value of t and ω was transliterated as tt.

Figure 57: Description of evēla akuru (from Naseema 1999: 5).

The phonological value s in Divehi is said by linguists to have evolved from the t of earlier times (Cain, 1996). In modern Divehi, the words incorporating the symbol ω in the copperplate writings of the 12^{th} century are used with the phonological value s' and not with the t value.

The team of scholars who deciphered the *Isdhoo Loamaafaanu* in 1986 concluded that there were the following aspirate letters in the document (TABLE NO. 4).

TABLE NO.4	
S	kh
re	dh

They also concluded that the symbol was used for both a and y.

Three sibilants corresponding to palatal s', cerebral sh and dental s in Sanskrit were also found in the document, but it is likely that they were pronounced alike. These are given in TABLE NO. 5

TABLE NO.5	
ಬ	sh or s
W	sh
W	S

In their work, Ali Najeeb and Ahmed Shafeeq gave both and the phonological value sh.

Dental and cerebral n existed in Divehi until the 20^{th} century and different letters were used for these sounds. The Southern atolls still differentiate between these sounds, but standard Divehi only has the symbol for dental n.

The symbol \supseteq was used for f and p although in latter centuries, p was represented in Dives Akuru by \supseteq , the same symbol with a dot below the letter.

Since research on the Eveyla Akuru writing system in the *loamaafaanus* is continuing, it is likely that more symbols which are not included here may be discovered. The symbols represented here are those included in published works.

Figure 58: Description of evēla akuru (from Naseema 1999: 16).

In the writing system, the following consonantal strokes are used: -

1- This stroke indicates that the inherent vowel in the letter is deleted.

It corresponds to the sukun 'o' in the Tana script.

This is used to indicate that the consonant to which it is attached is doubled.

3- This stroke shows that the consonant to which it is attached is preceded by a nasal consonant.

This sign placed above the letters, indicates that the consonant cluster to which it is attached has the consonant 'r' as its first sound.

Doubling of the consonant (t) is usually by attaching the symbol to the bottom of the letter.

The most frequent way of writing a double consonant is by writing them close together so that they touch one another.

In the case of \mathfrak{I} (n) one letter is placed slightly higher than the other.

Figure 59: Description of evēla akuru (from Naseema 1999: 17).

When two consonants are written touching one another, the fili denoting the vowel 9 (e) is placed in front of the cluster.

Similarly, in the case of the vowel o, two components of the fili, \mathfrak{I} and \mathfrak{I} , are placed on either side of the cluster.

$$e.g.: \underbrace{3}_{2} \underbrace{3}_{2} \underbrace{2}_{2} \underbrace{3}_{2} \underbrace{2}_{2} \underbrace{3}_{2} \underbrace{2}_{2} \underbrace{3}_{2} \underbrace{4}_{2} \underbrace{4}$$

Dissimilar consonant clusters are also written in the same way, placing the two consonant symbols together, touching one another.

In such clusters, the fili for the vowels e and o are attached in the same way as for two consonant clusters. The symbol \nearrow is used to denote the final ya in a consonant cluster.

Similarly the symbol ____ attached to the lower part of the letter is used to mark the final *ra* of a letter.

In some instances, conjoint symbols comprising the components of the two letters are employed to write dissimilar consonant clusters.

After the conversion of Maldives to Islam, it became clear that Eveyla Akuru had shortcomings when Arabic words had to be written in official documentation. This probably led to the formation of new symbols and modifications in the writing system, which eventually led to the gradual evolution of its successor, *Dives Akuru*.

Figure 60: Description of evēla akuru (from Naseema 1999: 18).

Dives Akuru

The ancient Eveyla Akuru found in the twelfth century copperplates and on the coral-stone relics, evolved into the more advanced *Dives Akuru* over a period of about two hundred years.

A copperplate grant of 1357 AD, called 'Bodugalu Miskit Loamaafaanu' and written in the sixteenth year of Sultana Rehendi Khadeeja's reign, is the earliest example of this script. This copper-plate grant showed distinct changes in the characters seen in the earlier copperplates, indicating the beginning of the Eveyla script's evolution into the later style called 'Dives Akuru' (Bell. 1922).

The examples of Dives Akuru found in this book date back to the late eighteenth century. They are taken mainly from the book 'Divehi Akuru' written by As-sayyid Hussain ibn Mohamed Al-Husaini, known to Maldivians as Bodufenvalhuge Seedi, a celebrated Maldivian scholar, poet and author of the mid-twentieth century. His book, 'Divehi Akuru', revived interest in this script among Maldivian scholars and paved the way for the transliteration of existing old documents written in Dives Akuru.

Some of the other materials used in this book are taken from a booklet called 'Dives Akuru', compiled by the late Ali Najeeb and Ahmed Shafeeq for Maldivian students of this script.

The best examples of Dives Akuru can be seen in the inscriptions in the beautiful Hukuru Miskit (Friday Mosque) in Male', on tombstones, and in some finely written official land grants inscribed on parchment. This script was extensively used for official documentation until the beginning of the eighteenth century. From 1705 A.D onwards, official documents were written in Tana and Dives Akuru, but after 1780 the Dives Akuru script fell into disuse, it's place taken by the Tana script.

Some features of Eveyla Akuru have been retained in the Dives script. As in the earlier Eveyla Akuru, Dives Akuru also represents two categories of sounds, vowels and consonants. It is also written from left to right and consonant characters standing on their own have the inherent a sound. However, many modifications have been made to the shape of letters and new symbols have been incorporated into the alphabet, to represent new sounds. These are the symbols for z, j, and c: In Dives Akuru p is represented by and f is shown by f, the same letter, but without the dot below. A new symbol was also formed to express the palatal n.

Vowel symbols and diacritics on consonants are used to represent vowels and new symbols have been formed to represent doubling and joining of consonants.

Figure 61: Description of dives akuru (from Naseema 1999: 21).

The Alphabet

Given below are the vowel symbols. (TABLE NO. 6)

TA	BL	F	N	n	
10		-	14	v	

Vowel	Sound
ည	a
عر)	ā
ಖ	i
3	i
23	i
٧.	u
24	ū
32)	e
<i>~</i>	e
3 D	ë
992)	ē
92)	o
Sec.	0
າລາ	- 0
معی	- 0

Figure 62: Description of dives akuru (from Naseema 1999: 22).

In Dives Akuru, the following *fili* (vowel strokes) are used to represent vowel sounds. (TABLE NO. 7).

TABLE NO.7. FILI (VOWEL STROKES).

TABLE NO.7. FILE (VO	WEL SIKUKES).		
Fili	Sound	Example	Transliteration
)	ā	්ල	kā
)	i	3	ki
3	i	3 33	ki
٤	u	ිතු <i>ဃ</i>	ku
2	u	w	du
ط	ū	Ø	ku .
3	e	© €€	ke
33	ë ë	મ્રજે	ke
9	ë	9 D	ke
3)	o	ෳ්මා	ko
9)	ō	ෳලා	kō

The consonant symbols of Dives Akuru, along with their phonological values are listed in TABLE NO. 8. Here the existing consonant symbols from Eveyla Akuru have been modified and new symbols to represent sound values for z, j and c have been introduced. Also, the symbol which stood for both p and f sounds,

Figure 63: Description of dives akuru (from Naseema 1999: 23).

was given to f and the same symbol with a dot added below was given to the value p. A new symbol for the palatal \tilde{n} was also introduced.

TABLE NO.8. CONSONANT SYMBOLS.		
Letter	Sound	
کی	h	
S	ś	
ツ	n	
n	n	
б	г	
0	г	
n	ь	
シ	b	
か か 3	!	
©	k	
٨	k	
S	k	

24

Figure 64: Description of dives akuru (from Naseema 1999: 24).

TABLE NO. 8 CONTINUED	
Letter	Sound
3	kh (aspirate k)
a)	a
200	a
<i>১</i>	v
9)	V
S	m
2)	f
20	d
2 3 3	d
53	d
9	t
e	1
3	1
7	g

25

Figure 65: Description of dives akuru (from Naseema 1999: 25).

TABLE NO. 8 CONTINUED

TABLE NO. 8 CONTINUED	
Letter	Sound
5	g
	g
3)	ñ
رع	s
فه	sh
8	sh
2)	ġ
ಎ್	ġ
0	z
5 5 5 8 2 2 2 2 2 3 2 3 2	ţ
ى	y
ئ	р
3.	j
97	c
24	С
3n 2n	с

Figure 66: Description of dives akuru (from Naseema 1999: 26).

'Sukun' or deleting the inherent vowel sound in the word.

Sukun was used in Dives Akuru with a special diacritic symbol, to indicate deletion of the inherent a vowel sound of the letter in the written word. In these instances the symbol was placed on the upper right hand side of the letter. e.g.,

In Dives Akuru as well as in the Tana script there are five letters which became special 'sukun letters'. These had different symbols. They are the following:

TABLE NO. 9. SUKUN.	
Letter	Sukun symbol
Q (a)	2
(\$)	V
೨೨ (n)	m
£) (s)	£
Ø (t)	84

The $\mathfrak S$ sukun $\mathfrak S$ and the $\mathfrak S$ sukun $\mathfrak S$ show glottal stops. The $\mathfrak S$ sukun $\mathfrak S$ represents a double nasal sound and the $\mathfrak S$ sukun $\mathfrak S$ is pronounced as a vowel-less s sibilant. The $\mathfrak S$ sukun $\mathfrak S$ represents a s offglide on the vowel preceding the sukun.

Doubling letters.

In the later Dives script, doubling of letters was represented not by two symbols written together, but by writing three different diacritics.

Figure 67: Description of dives akuru (from Naseema 1999: 27).

These were changeable and any one of the three could be used in a given situation. (TABLE NO. 10)

TABLE NO.10. DOUBLING LETTERS.

Sign	Example	Transliteration	Meaning
Y	מצע	bappa	father
3	232)	bappa	father
m	22	bappa	father

In Dives Akuru, as also in the earlier Eveyla Akuru, we find that in many instances more than one symbol is used to represent the same consonant sound.

TABLE NO.11.

TABLE NO.11.	
Sound	Symbols
d	బ,న,న
1	3,0
g	9,5,9
sh	8,46
С	8, Ex
k	७ , ∅, ७
ġ	カ, も

Figure 68: Description of dives akuru (from Naseema 1999: 28).

It may be that the same phonological value was given to more than one consonant symbol. It could also mean that the phonological values of some of these symbols had earlier variations. Over time, sound changes having taken place, aspirate sounds were lost and dental and cerebral sounds began to be pronounced alike, but the different symbols were retained.

When the consonants ∂ (r) and ∂ (v) are written in a word where the consonants have to be joined to the consonant before them, (when the fili for the first consonant is u, or when the inherent a vowel sound of the consonant is deleted), the shape of both consonant letters undergo modification: -

e.g.: If \mathcal{E} (v) is the consonant to be joined for example, to \mathcal{E} (s), then the modification is \mathcal{E} .

If \supset (r) is the second consonant to be joined, the shape of the \supset (r) changes to \longrightarrow as in: -

In Dives Akuru, diphthongs are represented by the addition of an i or u at the end of the vowel glide.

These symbols are written as independent vowels.

From the early years of the eighteenth century until about 1870 AD, Dives Akuru and Tana Akuru were used together for official documentation. But at the end of this period, Dives Akuru was superseded by Tana.

Figure 69: Description of dives akuru (from Naseema 1999: 29).

TAB	TABLE NO.12 (THE TANA ALPHABET)											
No	Arabic numeral	Letter	Transliteration	Modern name	Old name*							
1	1	,	h	hā	haviyani							
2	۲	ىو	s'	saviyani	śaviyani							
3	٣	טע	n	nunu	naviyani							
4	44	ye.	r	rā	raviyani							
5	٥	æ	ь	ba	baviyani							
6	٦	بو	1	ļaviyani	ļaviyani							
7	V	ν	k	kāfu	kaviyani							
8	٨	1	a	alifu	aviyani							
9	٩	9	v	vavu	vaviyani							
No	Divehi numeral	Letter	Transliteration	Modern name	Old name							
1	כ	2	m	meemu	maviyani							
2	3	3	f	fafu	faviyani							

d

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dalu

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lamu

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daviyani

taviyani

laviyani**

gaviyani

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6

Figure 70: Comparison of Dives Akuru and Arabic digits and Thaana letters (from Naseema 1999: 32).

^{*} Old names are taken from W. Geiger's Maldivian Linguistic Studies (1919).

^{**} Not included by Geiger-

TABL	ENO. 12 CONT	INUED			
No.	Divehi numeral	Letter	Transliteration	Modern name	Old name
8	>	وــو	S	seenu	saviyani
9	~	2	ģ	ḍa viyani	d aviyani
		خ	Z	zaviyani	zaviyani
		ع	✓ ţ	/ t taviyani	
		ת	y	yā	yaviyani
		3.	р	paviyani	paviyani
		ع	j	javiyani	javiyani
		مح	c	chaviyani	chaviyani

Figure 71: Comparison of Dives Akuru and Arabic digits and Thaana letters (from Naseema 1999: 33).

MALDIVE ALPHABET.

Aucient form.	Modern form.	Name.	Value.	REMARKS.
~	1	havieni	h	The ordinary aspirate.
2	ئو	rhavieni	rh	Like Rh in Rhine. With the sokun (°), it takes the sound of the following consonant. When final, it is silent. Its aucient sound was shri.
3	7"	navieni	n	As in English. When final, sometimes like ng.
0	30	ravieni	r	As in English.
5	ىھ	bavieni	b	As in English. All vowels except o, coming before b, take the sound of m. (?)
2	5	lavieni	l	L with the tongue reverting to the palate.
@	y	kavieni	k	As in English.
2	n	avient	a	Takes the sound of the vowel joined to it. With the sokun it is sounded like g .
5	9	wavieni	w	Like the English w or v.
22	>	mavicui	m	As in English.
2	3	favieni	f	Like the English f ; but sometimes interchanged with the aspirate h .
20	7	davieni	d	The dental d, as in dew.
3	50	tavieni	t	The dental t. The sokun gives this letter the short sound of i.
0	9	lámu	1	As in English; sometimes it is liquid, as in million.
5	.5	gnvieni	g	As in guard. It is always hard.
∞	2	navicni	12	As in English. Sometimes it is liquid, as in minion.
8	-	savieni	. 5	As in English; never like s.
2	2	davient	d	With the tongue reverted to the palate; like the Sanskrit cerebral d.

Figure 72: Willmott Christopher's chart of Maldivian scripts showing Dives Akuru (left) and Thaana (right) letters (Wilson 1841: 44).

Journ. R.A.S. (Ceylon), Extra No., 1919.

PLATE II.

Name.	Value	Maldi moder		Sinhalese			
mavieni	14 049		92	12 in cent			
fayieni		3	9	25	1 34 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**	.3
davienl	ď	3	و و	Ĭ	Q	1.	`^
tavieni		50:	3	3		-7.	
lāmu		9	ري	e	A	en.	1
gavieni	g	٤	\mathcal{S}	S		ا ا	これと
pzvieni	ņ	2	∞	ፊነ	B	\ ;	1/2
savieni	\$	سر	3	US.		3)	
đavieni	đ	2	2	۵	Ä	> \	22
havieni	h	\$	≃	ひ	1.	6	~
rhavien	i rh	y	2		ch;	9	3.5
navieni	n	سر	3	27)	€	М	35
ravieni	r	75	0	0 .	3	.g.	
bavieni	ь	ره	7	a)	M		
lavieni	1,	フ	2	2_	Persian.	Arabic,	1
kavieni	k	V	9	ඨා	- A	₹	~
avieni	· a	5)	الحراق ا	2,03	wed	ants	12
wavien	w	9	C) γ	71	Borrowed	Consonants	(3)

Note. (1) The Maldive alphabet is taken from Christopher's list, carefully compared with his facsimile of a Maldive letter. (J. R. A. S. Vol. VI.)
Note. (2) The Sinhalese letters are taken from a photograph of the inscription of Nissanka Malla (A. D. 1191.) discovered at Anuradhapura in 1874.
Note. (3) The vowel signs are called fili, or severally, aba, ābā, ibi, ībi, ebe, ēbē, abu, ūbū, obe and ōbō, fili:
"Only six consonants can take the sokun (6) over them, and consequently these only can terminate a syllable; they are a, q, n, rh, s, & t, and in this case with the exception of s, their sounds receive some modification: a becomes g, q or n sometimes take the sound of ng; t is sounded like a very short it and rh merety takes the sound of the following consonant, giving an emphasis to the synable it terminates: but when rh terminates the word it is silent, and appears wholly unnecessary, except for the division it causes, but the natives cannot understand writing without it. "Christopher in J. R. A. S. VI. 45. There is no inherent vowel 'a'; accordingly every consonant has either a vowel sign or the sokun: in the latter case, if the consonant cannot take the sokun, it is changed to one which can. The initial vowels are formed by the quasi-consonant 'a' with the appropriate vowel sign, and the second of two vowels following a consonant is expressed in the same way, thus 'gai' is written 'g' with the vowel sign 'a' followed by the quasi-consonant 'a' with the sign 'i'.

Apothecaries' Co., photo.

Survey Office Full-tone block.

Figure 73: Wilhelm Geiger's charts of Maldivian scripts (1919: Plate II).

MALEDIVISCH.

Alt	Neu	Wert	Alt	Neu	Wert	Alt	Neu	Wort	Alt	Neu	Wert
\approx	1	h	2	ン	l	2)	ノ	m	$ \mathcal{S} $	3	R
2	٧	th	@	ע	k	2	3	ph	∞	2	n
ئ	٣	, ń	2	ກ	: a 	ع	7	dh	8	-	s
0	عر	r	ري	9	w	3	50	t	56	2	d.
ح	به	b		}		0	9	 1			<u> </u>

Fremde Zeichen:

Malediven, oder richtiger Malayadiba sind die Inseln von Malabar (Malaya). Die Bewohner derselben besitzen zwei Schriften, deren eine, von J. PRINSEP im Journal of the Asiatic Society of Bengal Vol. V veröffentlichte, aus den arabischen Zahlzeichen besteht, auch die Vokalzeichen sind den arabischen nachgebildet; die Schrift wird von links nach rechts geschrieben.

Figure 74: Chart showing some characters from 'old' and 'new' forms of Maldivian writing (from Faulmann 1880: 155). The 'old' forms are Dives Akuru and the 'new' are Thaana.

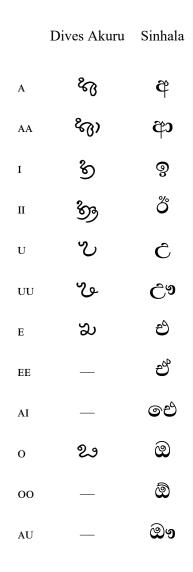


Figure 75: Comparison of Dives Akuru and Sinhala vowel letters.

	Dives Akuru	Sinhala			Dives Akuru	Sinhala
KA	ම	ක		DHA	w	۵
КНА	<u>ల</u>	බ		NA	\circ	න
GA	മ	တ	:	PA	ಉ	ප
GHA	ಬ	දි	:	РНА	ಶ್ರ	ඵ
NGA	3	ඞ		BA	ข	බ
CA	ಶ	ච	:	вна	જી	භ
СНА	ନ୍ଦ	ඡ	:	MA	પ્ટ	©
JA	ર્ય	ජ		YA	ಎ	ය
JHA	_	ಜಾ	:	RA	D	ර
NYA	~	\$ \$\tag{\tag{2}}	:	LA	ಲ	C
TTA	ಒ	O		VA	જ	ව
TTHA		ඨ	:	SHA	న	ශ
DDA	ಒ	చి	:	SSA	28	ෂ
DDHA	ఒ	ඪ	:	SA	83	ස
NNA	ಉ	©	:	НА	%)	හ
TA	න	ත		LLA	3	ϵ
THA	ъ	ථ		FA	_	တ
DA	3	ę		ZA	బ	_

Figure 76: Comparison of Dives Akuru and Sinhala consonants.

Consonants

D	T	name		D	T	name
%	/	HAA		ಲ	7	LAAMU
బ్	ىر	SHAVIYANI		გ	5	GAAFU
$^{\circ}$	سر	NOONU		8	٣	GNAVIYANI
D	х	RAA		દ્ય	,_	SEENU
າ	ø	BAA		ಒ	٤	DAVIYANI
3	بو	LHAVIYANI		బ	۲	ZAVIYANI
ඔ	ν	KAAFU		ಒ	ę	TAVIYANI
જુ	Л	ALIFU		ಖ	מ	YAA
જ	9	VAAVU		ب	<i>3</i> .	PAVIYANI
2	2	MEEMU		ર્જ	کے	JAVIYANI
ಉ	3	FAAFU		ಶ	S	CHAVIYANI
3	کر	DHAALU		ಉ	ટ	NAA
න	8	THAA				
			Vowels			
D	T	name		D	T	name
_	6	ABAFILI		9	চ	EBEFILI
ာ	ి	AABAAFILI		9 ়	ో	EYBEYFILI
ி	्	IBIFILI		9)	ర	OBOFILI
	્ર	EEBEEFILI		9)	క	OABOAFILI
	ৈ	UBUFILI		्र	ి	SUKUN
ു	ి	OOBOOFILI				

Figure 77: Correspondences between Dives Akuru ('D') and Thaana ('T'), based upon Sidi (1959). Thaana names are based upon names in the Unicode 'Thaana' block.

Transliteration	Tāna modern	Asoka Brahmi 3rd C. BC	Vatteluttu 8th C. AD	Vatteluttu 10th C. AD	Pala 10th C. AD	Grantha 8th C. AD	Eveyla 12th C. AD	Sinhala Elu 10th C. AD	Dives 18th C. AD	Malayalam modern	Devanagari modern
ha śa	1	2		-	2	2	\sim	S	30	2	ह
śa	-	1			25	S	6,30	1 - 1	ည ် က ေ ရ	S	হা
na	~	1	ى 3	end		h	3	D	3	3	न
ņa	,	I	3	end		m	9	m	9	ണ	ग्
ra	,	↑ 1 1 0	1	1		4100-3555	B	Ū	06	0	ह ज न ए र ब
ba		0				2	2	2	ಬ	ബ	ब
ļa	,		M	en		8	3	24	3	3	8
ka		+	X	Ť	五	4	80	8	©	\$	क
kha		1					2		3	ഖ	ख
a	1	K	24	-27	311	30	50000000000000000000000000000000000000	20	ကေးစြုစာနေသူသည္သ		8 क ख स्रव
va	,	6	2	27		2)	5	2	ಶ	<u>ഷ</u>	व
ma	,	8	29	0	H	8CC	5	S S S	S	0	म
fa	,						2		2		
da	طر	4			111	٤	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3	S	B	द
dha	مر	4				~380S	w			ω	ध
ta	•	1	3	8		あ	8	d	9	ത	त
la	,	V	8	8	m	0	0	6		ಲ	त ल ग
ga	3	Λ				5	S	S	ଚ୍ଛ ଚ୍ଞ	S	ग
ña	~		3	3					න	ത	ञ
sa		٦ 1 1		TO	स्र	w	W	25	2	m	स ड
фа	t	1				20	225	33	ક્ટ જ	w	ड
za	•								3		
ţa	2	6	0	<	-	5	U,W	U	ಬ	S	ट
ya	,	1	O	02)	य	w	5	w	w	w	य
pa	1	V	2	U		2	2	v	عن	2	Ч
ja	e	Σ		-		2			30	3	ज
c	6	9	४	J		w			37,34	21	च
sha	-40	Ł				28	3		46	ND	d

Figure 78: Comparison of 'Evela Akuru' and 'Dives Akuru' with other southern Brahmi-based scripts (from Naseema 1999: Table no. 16).



Coat of arms of Maldives (from Wikimedia Commons). The Arabic text on the scroll reads: *al-dawlat al-maḥaldībiyat* "State of the Mahal Dibiyat".



A version of the coat of arms of Maldives in which the Arabic text *al-dawlat al-maḥaldībiyat* "State of the Mahal Dibiyat" is replaced with *divehi rājje* "Republic of Maldives" in Dives Akuru. According to Xavier Romero-Frias (personal communication, 2011), the modified coat of arms was proposed by a Member of the Parliament in Māle in 1997–1998 with the rationale that the Dives Akuru version would better represent Maldivian culture. The proposal was rejected on the grounds that Arabic reflects the Muslim character of the country.

Figure 79: A proposed coat of arms of Maldives with text in Dives Akuru. Image courtesy of Xavier Romero-Frias.