

Proposal to encode Two New Signs of Saurashtra in Unicode

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Introduction

This is a proposal to encode two new characters in the Saurashtra block of the Unicode standard: SAURASHTRA CONSONANT SIGN YA and SAURASHTRA CONSONANT SIGN RA.

GLYPH	CODE	CHARACTER NAME
	U+A8C6	SAURASHTRA CONSONANT SIGN YA
	U+A8C7	SAURASHTRA CONSONANT SIGN RA

Background

Saurashtra script had several conjunction forms, but they are currently using simplified form of script. These proposed signs are available from the beginning along with other signs. User community are not using all those signs neither in digital nor in handwritten form. But in current time we found only these two signs are being using in both digital and handwritten forms. That is the main motive to propose these two signs through this proposal.

SAURASHTRA CONSONANT SIGN YA has been revised several times. Original form  is different than proposed form. Previously they used another form of  SAURASHTRA CONSONANT SIGN YA in print media but now they using this proposed form .

SAURASHTRA CONSONANT SIGN RA is still in the original form . It sits left side of the base letter.

Name

The proposed characters are assigned the name SAURASHTRA CONSONANT SIGN YA and SAURASHTRA CONSONANT SIGN RA. Original name of these two characters are: *Haddu Yakaaru* and *Haddu Rakaaru*, stands for Half-Ya Kara and Half-Ra Kara.

Glyph Shape

The proposed glyph shape is based upon from various books. Proposed glyph design based on encoded Block of Saurashtra.

Collation

The proposed character should be sorted after U+A8C5 SAURASHTRA SIGN CANDRABINDU.

Character Data

Character Properties: UnicodeData.txt

```
A8C6; SAURASHTRA CONSONANT SIGN YA;Mc;0;L;;;;N;;;;;
A8C7; SAURASHTRA CONSONANT SIGN RA;Mc;0;L;;;;N;;;;;
```

Linebreaking Properties: LineBreak.txt

```
A8C6..A8C7;CM      # Mc    [2]  SAURASHTRA CONSONANT SIGN YA..SAURASHTRA CONSONANT SIGN RA
```

Syllabic Categories: IndicSyllabicCategory.txt

Indic_Syllabic_Category=Consonant_Medial

A8C6..A8C7; Consonant_Medial # Mc [2] SAURASHTRA CONSONANT SIGN YA..SAURASHTRA CONSONANT SIGN RA

Positional Categories: IndicPositionalCategory.txt

Indic_Positional_Category=Right

A8C6; Right # Mc SAURASHTRA CONSONANT SIGN YA

Indic_Positional_Category=Bottom_And_Left

A8C7; Bottom_And_Left # Mc SAURASHTRA CONSONANT SIGN RA

References

[1] Śrī Saurāṣṭra Vidhya Team.1900. லக்ஷ்ணம் அஸ்யஸு [Sourashtra Bodhano]: ஸ்ரீராம் அஸ்ய லக்ஷணம் மதுரை, Madurai.

[2] Rāmarāy, T.M.1908. லக்ஷ்ணம் ஸ்ரீ லக்ஷணம் [Sourashtra Nandi Nighantu]: அஸ்யஸு லக்ஷணம் லக்ஷணம். லக்ஷணம். லக்ஷணம்.

[3] Senthilkumar, Konda. S.2024. அஜி ஸங்கே கெனி கெது [Aji Saṅge Kheni Kheto]. 3/6, Sourashtrapuram, 2nd, St., Vandiyur, Madurai.

[4] Rāmarāy, T.M.2020. சதுர்பாஷா வல்லரி [Cāturpāṣā Vallari]: ஸம்ஸ்கிருதம், ஸொராஷ்ட்ர, தெலுங்கு, தமிழ் மெழிகளின் சொந்தெகுப்பு. Madurai.

[5] Rāmarāy, T.M.2023. ஸ்ரீராம் [Nalamhārajo]. ஸ்ரீராம் லக்ஷணம் லக்ஷணம். Madurai.

[6] Dwaraganath, T.G.2025. ஸ்ரீராம்-பீதிகோ [Sreedvin-Peethiko]. Dharana Graphic Center, 3/6 Sourashtrapuram 2nd Street, Vandiyur, Madurai.

[7] Ramanandam, O.K.1974. ஸ்ரீ ராமராம்-லக்ஷணம் ஸ்ரீராம் [Sri Ramarai Sourashtra Vachakamu]. SRESHTA SOURASHTRA SAHITYA SABHA, Chetty Gurunathan Koil Street, Madurai.

Acknowledgement

I world like to Thanks S. Konda Senthilkumar of Madurai and O.S. Subramanian of Madurai.

Examples

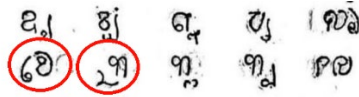


Fig.1. From [1] page no.6.: Old forms of both signs.

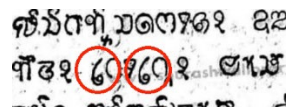


Fig.2. from [2] page no.16.

ஊர்தலுலுலுலு (விஸேஷஸப் ³ த் ⁴ துன்) சிறப்பு ஒலிகள்									
யி	யீ	இ	ஓம்	ய	ஹகர ஒலி	ஊ(ஊ)	அரையகர ஒலி	ஊ	மூக்கொலி
ஊர்தலுலுலு (ஸங்க்யான்) எண்கள்									

Fig.3. From [3] page no.4. Latest form along with old form of -YA.

ஊர்தலுலுலு (விஸேஷஸப் ³ த் ⁴ துன்) சிறப்பு ஒலிகள்									
இ	ஓம்	ய	ஹகர ஒலி	ஊ	அரையகர ஒலி	ஊ	மூக்கொலி		
ஊர்தலுலுலு (ஸங்க்யான்) எண்கள்									

Fig.4. From [4] page no.5.

klr	klr	ke	kē	kai	ko	kō	kau
கா	கா	க	க(க)	க(க)	க(க)	க(க)	க(க)
kaṁ	kaḥa	k					

Fig.5. From [5] cover page.

- ஊர்தலுலுலு
- ஊர்தலு
- க(க) க(க) க(க)
- க(க) க(க) க(க)

ஊர்தலுலு ஊர்தலுலுலு ஊர்தலுலு ஊர்தலுலு

Fig.6. from [6] page no.23.

62710

Fig.8. from [6] page no.02.

প্রীতি

Fig.9. From [7] cover page.

Fig.10. handwritten text of S.K. Senthilkumar.



Fig.11. handwritten text of S.K. Senthilkumar.



**PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646¹**

Please fill all the sections A, B and C below.

Please read Principles and Procedures Document (P & P) from <http://std.dkuug.dk/JTC1/SC2/WG2/docs/principles.html> for guidelines and details before filling this form.

Please ensure you are using the latest Form from <http://std.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html>.

See also <http://std.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html> for latest Roadmaps.

A. Administrative

1. Title:	Proposal to Encode Two New Signs of Saurashtra in Unicode	
2. Requester's name:	Biswajit Mandal (biswajitmandal.bm90@gmail.com)	
3. Requester type (Member body/Liaison/Individual contribution):	Individual Member	
4. Submission date:	27/03/2026	
5. Requester's reference (if applicable):		
6. Choose one of the following:		
This is a complete proposal:	Yes	
(or) More information will be provided later:	No	

B. Technical – General

1. Choose one of the following:		
a. This proposal is for a new script (set of characters):	Yes	
Proposed name of script:	Saurashtra	
b. The proposal is for addition of character(s) to an existing block:		
Name of the existing block:		
2. Number of characters in proposal:	2	
3. Proposed category (select one from below - see section 2.2 of P&P document):		
A-Contemporary	☒	B.1-Specialized (small collection)
C-Major extinct	☐	B.2-Specialized (large collection)
F-Archaic Hieroglyphic or Ideographic	☐	E-Minor extinct
G-Obscure or questionable usage symbols	☐	
4. Is a repertoire including character names provided?	Yes	
a. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&P document?	Yes	
b. Are the character shapes attached in a legible form suitable for review?	Yes	
5. Fonts related:		
a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the standard?	Biswajit Mandal (biswajitmandal.bm90@gmail.com)	
b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.):	Biswajit Mandal (biswajitmandal.bm90@gmail.com)	
6. References:		
a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?	Yes	
b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?	Yes	
7. Special encoding issues:		
Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?	Yes	
	See proposal for additional details	
8. Additional Information:		
Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at http://www.unicode.org for such information on other scripts. Also see Unicode Character Database (http://www.unicode.org/reports/tr44/) and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.		

C. Technical - Justification

1. Has this proposal for addition of character(s) been submitted before?	No
If YES explain	
2. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)?	Yes
If YES, with whom?	
Saurashtra Community	
If YES, available relevant documents:	
See citations in text proposal	
3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included?	Yes
Reference:	
See text of proposal	
4. The context of use for the proposed characters (type of use; common or rare)	Common
Reference:	
See text of proposal	
5. Are the proposed characters in current use by the user community?	Yes
If YES, where? Reference:	
See text of proposal	
6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP?	No
If YES, is a rationale provided?	
If YES, reference:	
7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?	N/A
8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?	No
If YES, is a rationale for its inclusion provided?	
If YES, reference:	
9. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?	No
If YES, is a rationale for its inclusion provided?	
If YES, reference:	
10. Can any of the proposed character(s) be considered to be similar (in appearance or function) to, or could be confused with, an existing character?	Yes
If YES, is a rationale for its inclusion provided?	
If YES, reference:	
See text of proposal	
11. Does the proposal include use of combining characters and/or use of composite sequences?	No
If YES, is a rationale for such use provided?	
If YES, reference:	
Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?	
If YES, reference:	
12. Does the proposal contain characters with any special properties such as control function or similar semantics?	No
If YES, describe in detail (include attachment if necessary)	
13. Does the proposal contain any Ideographic compatibility characters?	No
If YES, are the equivalent corresponding unified ideographic characters identified?	
If YES, reference:	

UnicodeData.txt

```
1 A8C6; SAURASHTRA CONSONANT SIGN YA;Mc;0;L;;;;N;;;;;
2 A8C7; SAURASHTRA CONSONANT SIGN RA;Mc;0;L;;;;N;;;;;
+2
```

IndicPositionalCategory.txt

```
# Indic_Positional_Category=Right
A8C6; Right # Mc SAURASHTRA CONSONANT SIGN YA
# Indic_Positional_Category=Bottom_And_Left
A8C7; Bottom_And_Left # Mc SAURASHTRA CONSONANT SIGN RA
4 lines
```

IndicSyllabicCategory.txt

```
# Indic_Syllabic_Category=Consonant_Medial
A8C6..A8C7; Consonant_Medial # Mc [2] SAURASHTRA CONSONANT SIGN YA..SAURASHTRA
CONSONANT SIGN RA
2 lines
```

LineBreak.txt

```
1 A8C6..A8C7;CM # Mc [2] SAURASHTRA CONSONANT SIGN YA..SAURASHTRA
CONSONANT SIGN RA
```