Proposal to encode the Prishthamatra for Nandinagari

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1 Introduction

This document requests to add a new character in Nandinagari block. The details are given below:

Glyph	Code	Character name
⌈◌	11BD4	NANDINAGARI VOWEL SIGN PRISHTHAMATRA E

2 Description

The Prishthamatra is a vowel sign used in early Nandinagari inscriptions. In the historic Prishthamatra orthography, the vowel signs for e, ai, o, and au are represented using NANDINAGARI VOWEL SIGN PRISHTHAMATRA E (which goes on the left side of the consonant) alone or in combination with one of U+11BCA NANDINAGARI VOWEL SIGN E, U+11BC1 NANDINAGARI VOWEL SIGN AA or U+11BCC NANDINAGARI VOWEL SIGN O.

It corresponds to ⌈◌ U+094E DEVANAGARI VOWEL SIGN PRISHTHAMATRA E. In similar way Prishthamatra is proposed for Nandinagari. The table given below provides the comparison of Prishthamatra and regular Orthography.

Vowel Sign	Prishthamatra Orthography	Regular Orthography
e	⌈◌ <11BD4>	◌
ai	⌈◌ <11BD4, 11BCA>	◌
o	⌈◌⌉ <11BD4, 11BC1>	◌
au	⌈◌⌉ <11BD4, 11BCC>	◌

3 Character Data

The properties for the proposed character in the Unicode Character Database format are:

```
11BD4; NANDINAGARI VOWEL SIGN PRISHTHAMATRA E;Mc;0;L;;;;;N;;;;;
```

4 References

Rice, Lewis. 1879. "Two new Chalukya grants". Indian Antiquary, vol. 8 (April), pp. 89–98.
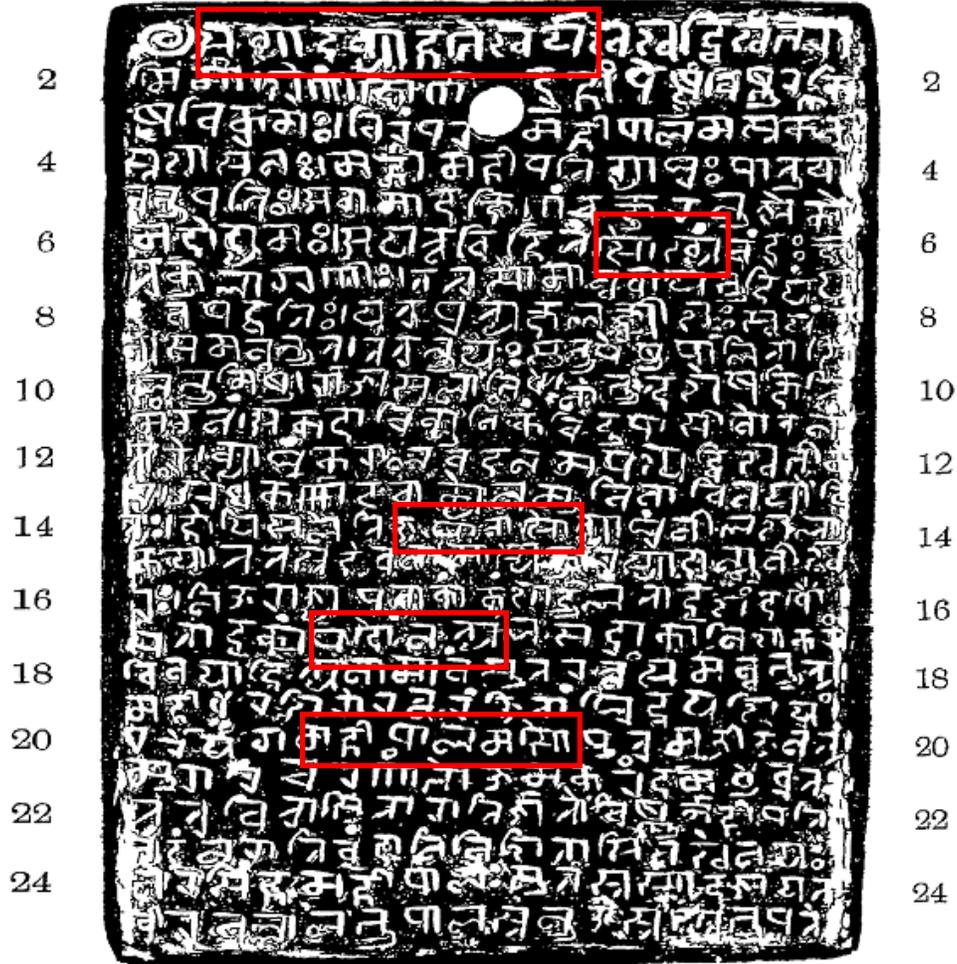
Karnatak Inscriptions, Vol. 1. 1941.

5 Attestations

Figure 1.Use of Prishthamatra in the Nandinagari Copper plate of Vīranoṇamba (from IndoSkript).

Plate IV-a.

No 28. Copper-plate grant of Hoysala Vīra-Ballāla II

Śaka 1126

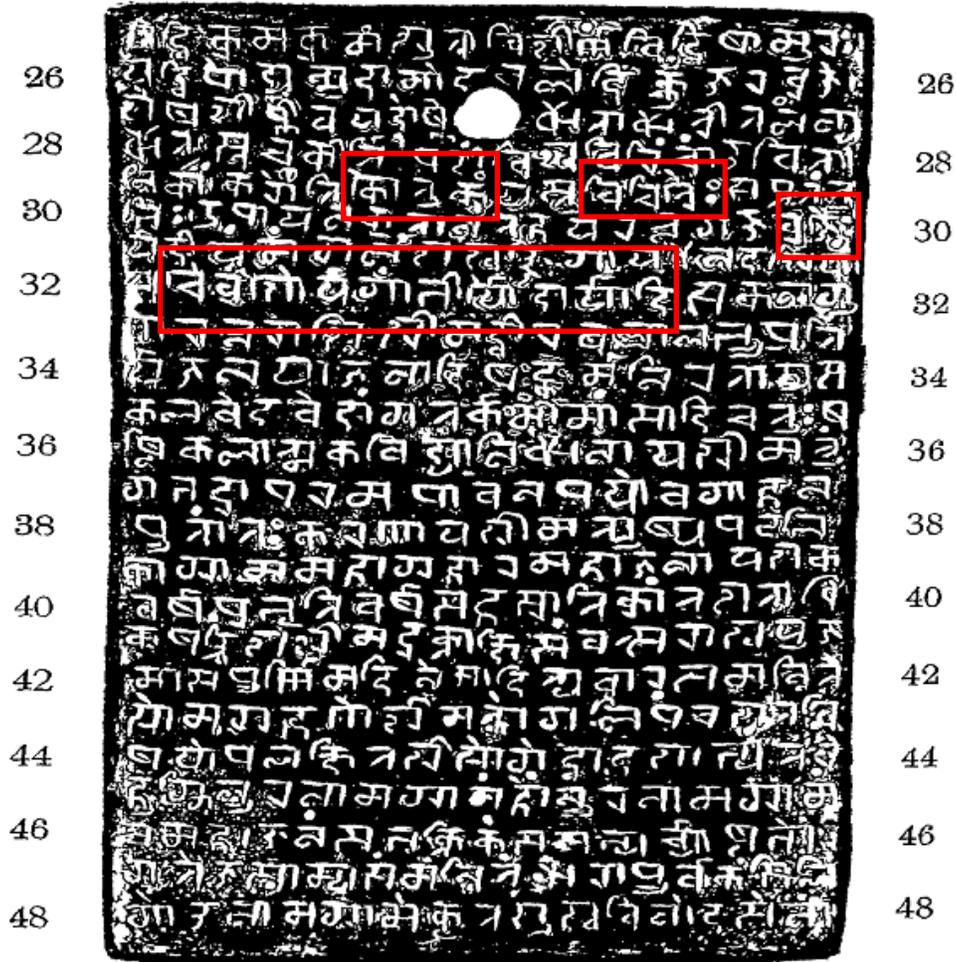First plate II side

R. S. Panchamukhi.

Figure 2. Use of Prishthamatra in the words Avyādavyāhataiśvarya, saukhya, jaghānāsau, dadhau, padaunnatya and Mahīpālamasau in the Copper plate grant of Vīra ballāḷa II of Hoysala Empire dated 1204 CE.

This inscription is one of the earliest specimens of Nandinagari (from Karnatak Inscriptions).

Plate IV-b.

No. 28 (Cont.)
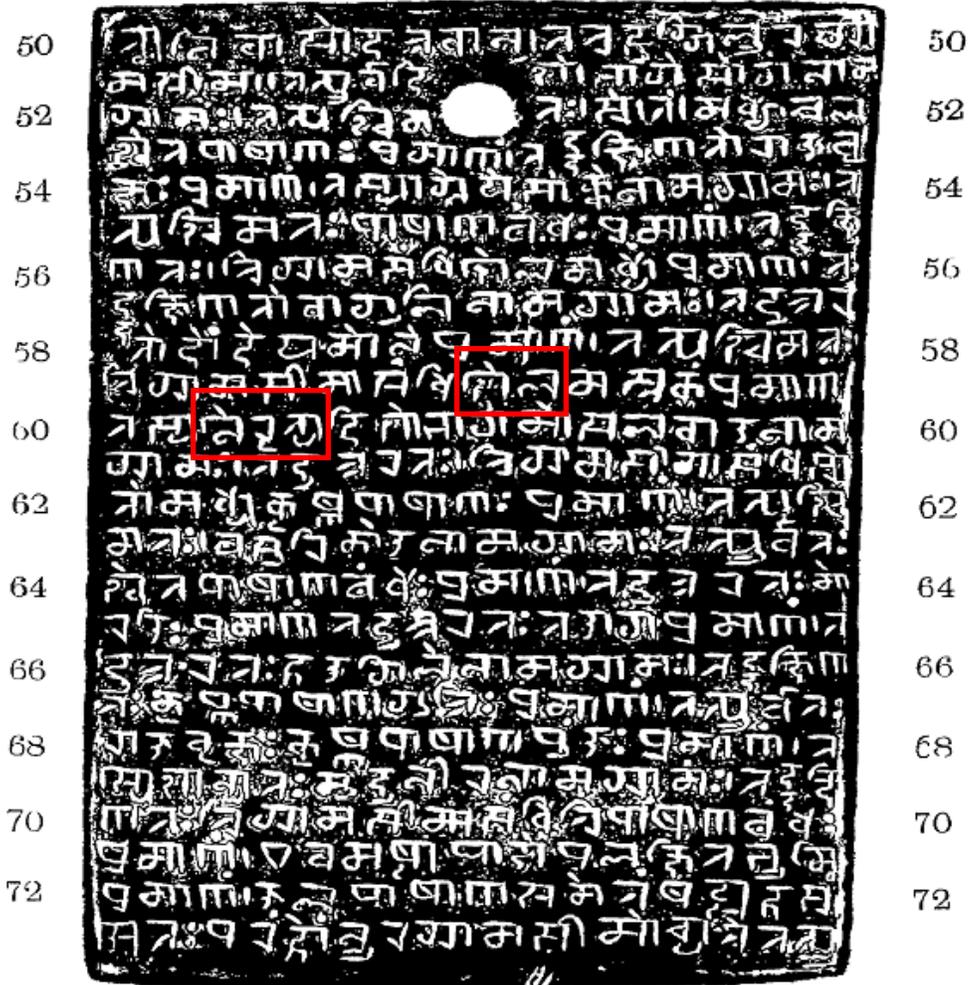
Second plate, I side

R. S. Panchamukhi.

Figure 3. Use of Prishthamatra in the words kautukaṁ, vicitraiḥ, vrajaiḥ, caivaṁ, śauryagābhīryadāryādi, in the Copper plate grant of Vīra ballāḷa II of Hoysala empire (from Karnatak Inscriptions).

Plate IV-c.

No 28. (Cont)

Second plate, II side

Figure 4. Use of Prishthamatra in the words śaila, nairṛtya in the Copper plate grant of Vīra ballāḷa II of Hoysala empire (from Karnatak Inscriptions).

<table>
<tr><td colspan="2" align="center">ISO/IEC JTC 1/SC 2/WG 2

PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS

FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646[1]

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 <strong>for latest Roadmaps.</td></tr>
</table>

A. Administrative

1. **Title:**	*Proposal to encode the Prishthamatra for Nandinagari*
2. Requester's name:	*Srinidhi A and Sridatta A*
3. Requester type (Member body/Liaison/Individual contribution):	*Individual contribution*
4. Submission date:	*July 1, 2017*
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:	

B. Technical – General

1. Choose one of the following:		
a. This proposal is for a new script (set of characters):		
Proposed name of script:		
b. The proposal is for addition of character(s) to an existing block:		*Yes*
Name of the existing block:	*Nandinagari*	
2. Number of characters in proposal:		*1*
3. Proposed category (select one from below - see section 2.2 of P&P document):		

A-Contemporary		B.1-Specialized (small collection)	X	B.2-Specialized (large collection)	

C-Major extinct		D-Attested extinct		E-Minor extinct	

F-Archaic Hieroglyphic or Ideographic 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?

        Not necessary. The glyph of Devanagari vowel sign Prishthamatra e can be used.

    b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.):

        Not necessary.

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 the text of the proposal

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.)?   *No*

        If YES, with whom?

        If YES, available relevant documents:

3. Information on the user community for the proposed characters (for example:

    size, demographics, information technology use, or publishing use) is included?   *N/A*

    Reference:

4. The context of use for the proposed characters (type of use; common or rare)   *rare*

    Reference:

5. Are the proposed characters in current use by the user community?   No

    If YES, where? Reference:

6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely

    in the BMP?   *N/A*

        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? — *Yes*

        If YES, reference: *The character is similar to DEVANAGARI VOWEL SIGN PRISHTHAMATRA E.*

11. Does the proposal include use of combining characters and/or use of composite sequences? — *Yes*

    If YES, is a rationale for such use provided?

        If YES, reference: *See the text of proposal*

    Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided? — *N/A*

        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: