Proposal to encode the TAKRI SIGN CANDRABINDU

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1 Introduction

This document requests to encode the Candrabindu used in Takri script. The details regarding glyph, code point and character name are mentioned below.



2 Description

In Indic scripts Candrabindu indicates the nasalization of the vowel or the semi vowel. Candrabindu is attested in several Takri records like manuscripts, inscriptions and primers. The behavior and properties of Candrabindu is similar to Candrabindus found in other Indic scripts like Sharada. In Takri it primarily occurs in sacred sound Om. In Indic scripts Om is written as a combination of o + candrabindu or anusvara or m. Hence we propose to encode Candrabindu in Takri.

3 Character properties

- Unicode character data:
 - 116BA;TAKRI SIGN CANDRABINDU;Mn;0;NSM;;;;;N;;;;;
- Linebreak = CM
- Indic_Syllabic_Category=Bindu
- Indic_Positional_Category=Top

4 References

[1] Leitner, Gottlieb William. A Collection of Specimens of Commercial and Other Alphabets and Handwritings as also of Multiplication Tables Current in Various Parts of the Panjab, Sind and the North West Provinces. 'Anjuman-i-Punjab'Press, 1883.

[2] Kaul Deambi, B. K. Śāradā and Ṭakarī alphabets: origin and development/Bhushan Kumar Kaul Deambi; foreword by Walter Slaje; table redrawn through computer graphics by Prakash Pandey. Indira Gandhi National Centre for the Arts and DK Printworld, 2008.

[3] Chhabra, B. Ch. "Antiquities of Chamba State, Part II, Medieval and Later Inscriptions." *Memoirs of the Archaeological Survey of India. Government of India Press, New Delhi* (1957).

[4] A manuscript digitized by eGangotri.

https://archive.org/details/GuruMandaladiPujanVidhi1071GhaAlm5Shlf4SharadaTantra

[5] https://twitter.com/MandiKiJatra/status/1255066228072169473

मीपाभउईाकमीरिली रिमीर्भर रिमीर्ट मेंडर्वमीयलयीरमेर्रे म्बर्स्यीगमिरिर्सार्भंड 5अर्रमीड्यरार्स्भर्माण्डल्प्रान्ध्रीर्श्वम रिग्रहमंडअर्धिमर्वेडलंग्रद्रलल्द तगद हमर्ड उमर्र हमरेवार्भगीर्ड म गमीद्रधां भी समट कगर द रमदि y AGE IMP 5- DA प्रमि रमजगम हमयर्रिरदेलमट

Figure 1. A document in Takri script issued by Raja Zalim Sen of Mandi State in year 1833 CE. The Candrabindu is attested in the beginning in the word Om (from [5]).

Set No 1 I Numes of letters of the Thakari . Aprubet n Sha Om Kang a Dha Shu Ma 6 3 D La Ri Ri D Ē 4i Aa R **D** Dha Oha Mgan Ka G Ζ び Ta Vjan Crra cha 3 Ta 8 3 Nana Thu Dha Iha Da ょ 1 Phu Dha Pr Ba Na Da Bha Ra Lα Ma Kshii Bha Ba Sa Sa Hi

Figure 2. Use of Candrabindu in the letter Om. It also shows the inventory of Takri letters (from [1]).

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II. Thatar of Mandi

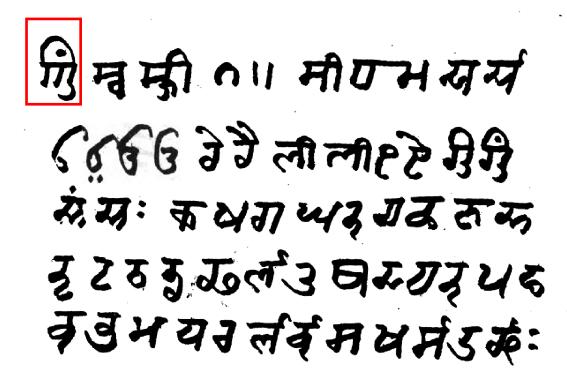


Figure 3. Use of Candrabindu in the letter Om. It also shows the inventory of letters in Takri variety of Mandi region, Himachal Pradesh (from [1]).

TABLE 8 (a) DEVĀŚEṢA - ȚĂKARĪ ALPHABET (17th - 18th Centuries)

	1	11	111	IV	v	VI.	VII	VШ	IX	x
Characters in Roman	Chamba Plate of Balabhadra V.5. 1667	Chamba Plate of Balabhadra V.S. 1692	Mindhal Plate of Pythvisimha V.5. 1698	Chamba Plate of Pythvisimha V.S. 1702	Divkhari Plate of Prthytsinha V.S. 1718	Lakşminäräyana Temple Plate of Šatrusinha	Lakşmînärêyaşa Temple Niche Inscription	Cabütră Stone Inscription	Treaty Between Rajasimha and Samsaracand	Modern Tākarī
а	य ु स्ट्र	저	স্বু স্ব	र्म	म्रु	চ্য		77	ব্য	চ্চ
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ū										в
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anu- nāsika	<u>.</u>		\circ	$\hat{}$	۰					
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kh	79		Щ	দ্দ		ाप			Ä	र्भ
g	ব্য	ৰা	ਗ	म	ৰা	J 7	1 7	41	Ħ	តា
gh	щ	щ	щ	-	ખ				Ś	m

Figure 4. Use of Candrabindu (it is referred as anunāsika here) in various Devāšeṣa Ṭākarī inscriptions. Most of these inscriptions are from Chamba region of Himachal Pradesh (from [2]).

B.-LAKSHMI-NARAYANA TEMPLE PLATE OF BALABHADRA; V. S. 1697. ないらたけたけにないといいですい FALL F 户长1:至12至121上··· ana - 4

Figure 5. A copper plate inscription belonging to Lakshmi Narayana Temple, Chamba. The initial portion is in Sanskrit language and rest of the portion is in the regional Chambyali language. It is dated Vikrama Samvat 1697 which corresponds to 1641 CE. The Candrabindu is attested in the beginning in the word Om (from [3]).

PLATE XXX. A.-LAKSHMI-NARAYANA TEMPLE PLATE OF SATRUSIMHA; V. S. 1734. лчх

Figure 6. A copper plate inscription belonging to Lakshmi Narayana Temple, Chamba. The language is partly in Sanskrit and partly in regional Chambyali. It is dated Vikrama Samvat 1734 which corresponds to 1678 CE. The Candrabindu is attested in the beginning in the word Om (from [3]).

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Figure 7. The Candrabindu is attested in the word Om. The way of writing Om is similar to way written in inscriptions. The language is the manuscript is Sanskrit (from [4]).

ISO/IEC JTC 1/SC 2/WG 2 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 .<u>http://std.dkuug.dk/JTC1/SC2/WG2/docs/principles.html</u>. for guidelines and details before filling this form. Please ensure you are using the latest Form from .<u>http://std.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html</u>. See also .<u>http://std.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html</u>. for latest *Roadmaps*.

A. Administrative

1. Title:	Pro	Proposal to encode the TAKRI SIGN CANDRABINDU				
2. Requester's name:	Srinidhi A and Sridatta A					
3. Requester type (Member body/Liaison/Individual contribution):			Individual Contribution			
4. Submission date:			June 20, 2020			
5. Requester's reference	(if applicable):					
6. Choose one of the following:						
This is a comple	te proposal:			Yes		
(or) More inforr	nation will be provided	later:				

B. Technical – General

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

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

A-Contemporary		B.1-Specialized (small of	collection)		B.2-Specialized (large collect	ction)	Х	
C-Major extinct		D-Attested extinct			E-Minor extinct			
F-Archaic Hieroglyphic or Ideographic G-Obscure or questionable usage symbols								
4. Is a repertoire includi	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 P8	P document?				Ye	?S	
b. Are the character shapes attached in a legible form suitable for review?						Ye	Yes	
5. Fonts related:								
a. Who will provid	le the	appropriate computeriz	zed font to the Pi	roject E	ditor of 10646 for publishing	the standar	·d?	
	Sej	parate font is not necess	ary. Candrabindı	ı of Not	o Sans Sharada can be used.			
b. Identify the par	ty gra	anting a license for use o	of the font by the	editors	(include address, e-mail, ftp	-site, etc.):		
			NA					
6. References:								
a. Are references	(to ot	her character sets, dictio	onaries, descripti	ve texts	s etc.) provided?	Yes		
b. Are published e	examp	les of use (such as samp	oles from newspa	ipers, m	hagazines, or other sources)			
of proposed characters attached? Yes								
7. Special encoding issue	es:							
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						Yes		
Yes; see proposal for additional details.								
8. Additional Informatio	n:							
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 . <u>http://www.unicode.org</u> 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 exam	nple:					
size, demographics, information technology use, or publishing use) is i						
Reference: Takri script is not in active use. Informat	tion of User community is not available.					
4. The context of use for the proposed characters (type of use; common or ra	rare) common					
Reference: See the text	of proposal					
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?	NA					
If YES, is a rationale provided?						
If YES, reference:						
7. Should the proposed characters be kept together in a contiguous range (ra	ather than being scattered)? NA					
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 charact	ter 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 exist	Yes	
If YES, is a rationale for its in	Yes	
If YES, reference:	of proposal for	
11. Does the proposal include use of combin	ing characters and/or use of composite sequences?	Yes
If YES, is a rationale for such use provi	ded?	Yes
If YES, reference:	See the text of proposal	
Is a list of composite sequences and the	neir corresponding glyph images (graphic symbols) provided?	NA
If YES, reference:		
12. Does the proposal contain characters wit	th any special properties such as	
control function or similar semantics?		No
If YES, describe in detail (inc	lude attachment if necessary)	
13. Does the proposal contain any Ideograph	nic compatibility characters?	No
If YES, are the equivalent corresponding	ng unified ideographic characters identified?	
If YES, reference:		