

Proposal to Encode the Takri Script in ISO/IEC 10646

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1 Purpose

This is a proposal (N3758 L2/09-424) to encode the Takri script in the Universal Character Set (ISO/IEC 10646). It document replaces the following documents:

- L2/09-111 “Proposal to Encode the Takri Script in ISO/IEC 10646” (April 2009)
- L2/07-419 “Proposal to Encode the Takri Script in ISO/IEC 10646” (December 2007)

2 Introduction

Takri is the name given to the popular script used in the region of South Asia that comprises present-day Jammu and Kashmir, Himachal Pradesh, Panjab, and Uttarakhand (see Figure 1). It is the traditional writing system for Chambeali, Dogri, and several ‘Pahari’ languages, such as Jaunsari, Kulvi, and Mandeali. The name Takri appears in English sources as ‘Takari’, ‘Takkari’, and ‘Tankri’, with other variations. This multiplicity of names arises from uncertain etymologies for ‘Takri’. One source holds that Takri is derived from ‘*ṭaṅkā*’ ‘coin’, which suggests that the script originated as a commercial script.¹ Another source connects the name Takri to ‘*ṭakka*’, a name referring to the old landed class of Punjab, or Takri being “the alphabet of the Ṭakkas”,² Despite the uncertain etymology, the script is commonly known as ‘Ṭākārī’, and the normalized spelling of ‘Takri’ is suggested as its name in the Universal Character Set (UCS).

Takri belongs to the Sharada family of Brahmi scripts and is related to Gurmukhi and Landa. A comparison of Takri, Gurmukhi, Sharada, and Devanagari is given in tables 2, 3, and 4. Takri is descended from Sharada through an intermediate form known as Devāśeṣa, which emerged in the 14th century.³ Devāśeṣa was a script used for religious and official purposes, while its popular form, known as Takri, was used for commercial and informal purposes. Takri became differentiated from Devāśeṣa in the 16th century.⁴

In its various regional manifestations Takri served as the official script of several princely states of northern and north-western India from the 17th century until the middle of the 20th century. A reformed version of the Takri used for writing Chambeali was established as the official script of the former Chamba State, now in Himachal Pradesh, India, and metal types for Chambeali Takri were developed. The Dogri form of Takri was adopted as the official script of Jammu and Kashmir and a standardized form of the script, known as

¹ Vogel 1911: 47. ² Grierson 1911: 802–803. ³ Kaul Deambi 2008: 70. ⁴ Kaul Deambi 2008: 70.

Dogra Akkhar, was propagated by official decree by Maharaja Ranbir Singh of Jammu in the 1860s. Ranbir Singh also established the Vidya Vilas Press in Jammu in order to print official publications and scholarly books in the new Dogri script. Until the late 19th century, Takri was used concurrently with Devanagari,⁵ but it was gradually replaced by the latter, or in the case of Dogri Takri, on a decision in 1944 by the Dogri Sansthan to use Devanagari as the official script for the Dogri language.

Owing to its use as both an official and popular script, Takri appears in numerous records, from manuscripts to inscriptions. Takri was used for writing administrative documents, such as letters, land grants, and official decrees. It appears on postage stamps and postmarks from Jammu and Kashmir from the 19th century (see Figure 24 and Figure 25). Translations of Sanskrit texts into the Dogri language printed in Dogri Takri were commissioned by Maharaja Ranbir Singh. The most well-known of these is the mathematical treatise *Līlavatī* by Bhāskarācārya (see Figure 26). The British and Foreign Bible Society printed translations of Christian religious texts into the Chambeali language in Takri (see Figure 17). The most well-known of Takri records are inscriptions on Pahari paintings, which belong to the ‘Pahari’ style of miniature painting that was developed in former princely states such as Basohli, Chamba, Kangra, and Guler. Pahari miniatures often contain captions indicated the subject of a portrait or a description of a scene written in the local language using Takri, or excerpts from a literary text whose scene is the subject of depiction. Specimens of Pahari paintings with Takri inscriptions are given in Figure 8 and Figure 10.

There are reports of efforts to revive the use of Takri for languages such as Dogri, Kishtwari, and Kulvi. In February 2006, a workshop was held in Kullu, Himachal Pradesh to provide training in the Takri script that was used for writing Kulvi.⁶ In January 2009, the government of Himachal Pradesh established a program in association with Indira Gandhi National Open University (IGNOU) for the purpose of training specialists in Takri under the guidance of the National Manuscripts Mission.⁷ Revival efforts for Takri are inspired by the quickening extinction of the script. While materials written in these languages in Takri exist, there is no literacy in the script, and therefore no access to this literature. As a result, languages such as Gaddi are further endangered by loss of literacy in Takri.⁸

An encoding for Takri in the UCS will provide linguistic communities in South Asia with the ability to communicate in their native script and to preserve their cultural heritage. Such an encoding will also provide a means for specialists to conduct further research on the language, art, and history of sub-Himalayan South Asia.

2.1 Varieties of the Script

There are several regional varieties of Takri, “with each Hill State or tract having its own style.”⁹ Some of these regional forms are itemized below. There is considerable variation in the spellings of the names of the regional forms and the languages they represent. The names of languages have also changed, so that the names used in Grierson and other sources differ from current practices. In order to assist in the identification of languages and the forms of Takri associated with them, the language names below are denoted using ISO 639-3 codes. Specimens of Takri representative of the regional form is also indicated.

- Bhattiyali [bht]: Bhateali, Bhatiali (specimen in Figure 41)
- Chambeali [cdh]: Chambiali, Chameali, Chamiali (specimen in Figure 12, etc.)
- Dogri [dgo], [doi]: Dogari (specimen in Figure 18, etc.)
- Gaddi [gbk]: Bharmauri, Gadi (no specimens)
- Gahri [bfu]: Bunan (no specimens)
- Jaunsari [jns]: (specimen in Figure 27)

⁵ Kaul Deambi 2008: 71. ⁶ *The Hindustan Times* 2006. ⁷ *The Tribute* 2009. ⁸ National Public Radio 2006. ⁹ Vogel 1911.

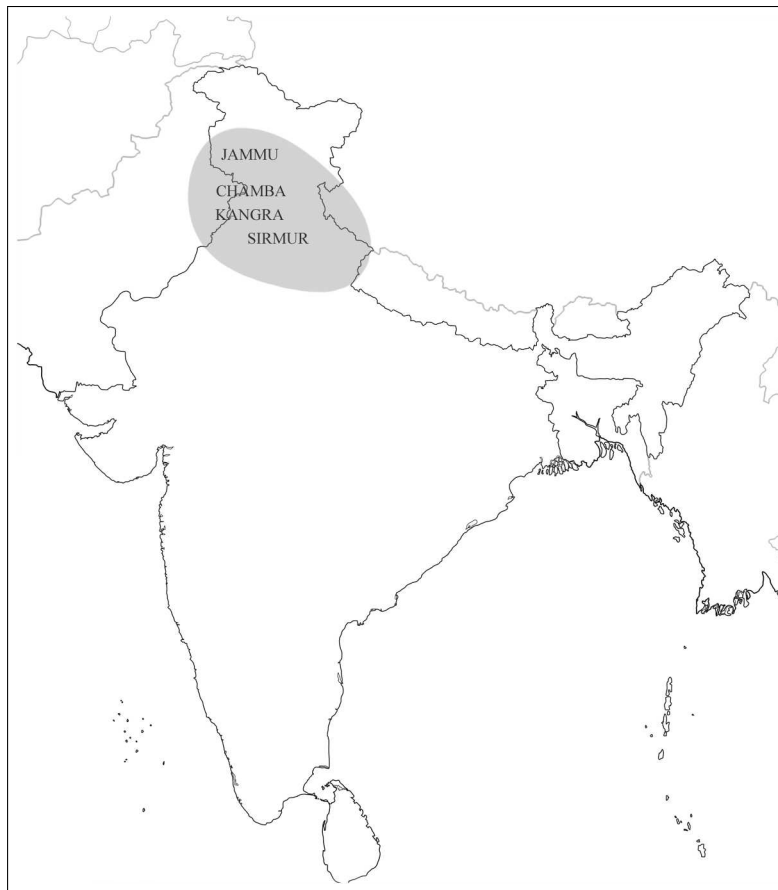


Figure 1: Historical geographic distribution of Takri

- Kangri [xnr]: Kangra, Kangra-Dogri (specimen in Figure 19)
- Kinnauri [kjo]: Kanauri (specimen in Figure 35)
- Kishtwari [kas]: Kashtwari, recorded as dialect of Kashmiri (Figure 38)
- Kulvi [kfx]:¹⁰ Kullu, Kului, Kullvi (Figure 33)
- Mahasu [bfz]: Kochi, Kiunthali (Figure 31)
- Mandeali [mjl]: Himachali, Mandi (specimen in Figure 36)
- Sirmauri [srx]: (specimen in Figure 29)

There is no universal, standard form of Takri. Rather, in cases where Takri was standardized, the reformed script was limited to a particular polity, such as a kingdom or a princely state. When Grierson published a table comparing Takri with other north-western Indic scripts, he wrote that he chose what were representative forms of the Takri characters.¹¹ Grierson's approach illustrates that despite variations in glyph shapes and orthographic style, the regional varieties of Takri adhere to a common underlying structure. To be sure, a comparison of the letterforms of Takri varieties shows strong typological affiliation across regional forms. However, some varieties have glyph shapes for characters that differ entirely from those proposed here. For example, the Jaunsari and Sirmauri forms of $\kappa\alpha$ are unique; however the majority of characters correspond to the Chambeali form. Given the variation in the appearance of Takri across different localities, Takri may be considered as more a 'class' of scripts than as the name of a specific script.

Moreover, although regional forms of Takri may differ the shapes of glyphs for certain characters, the scripts are perceived by their users to be 'Takri'. As Bushan Kumar Kaul Deambi wrote with regard to the distinction

¹⁰ The name 'Kulvi' is used by the Government of India (2001). ¹¹ Grierson 1904: 69.

between Takri and its ancestor Devāśeṣa, “the nomenclature Devāśeṣa once popular with the local paṇḍits is no longer used now and the people today are familiar with only one appellation[:] Ṭākārī.”¹² Given this, all regional forms of Takri may be unified with the Takri proposed here.

The reformed Dogri script may be an exception to a unified encoding for Takri. In the 1860s, Maharaja Ranbir Singh of Jammu ordered that the form of Takri used for writing the Dogri language be reformed. The new script was called ‘Dogra Akkhar’ or ‘Name Dogra Akkhar’ (‘New Dogra Script’) and it was established as the official script of Jammu. The characters of Dogra Akkhar differ from the original Dogri script and also from other standard forms of Takri, such that it may be considered a distinct script (see Table 5 and Table 6). The Dogri script is often shown separately in comparative script charts. Given this, this reformed Dogri form of Takri may be a candidate for disunification from Takri. But, Grierson writes that Dogri is “allied” to Takri,¹³ which means that the variety is typologically related to Takri and is genetically a Takri script.

For present purposes Takri may serve as a unifying block and regional forms may be accurately considered as glyphic variants and controlled at the font level. If user requirements or further research determines a necessity for disunifying a particular regional form of Takri, then the matter may be discussed at that time.



3 Characters Proposed

The 66 characters in this proposal comprise the core set of Takri letters and signs to be encoded in the Supplemental Multilingual Plane (SMP) at the range U+11680..116CF. The convention used for naming Takri characters in the UCS follows that used for Devanagari. The proposed characters are shown in the code chart in Figure 2.

The Takri script proposed here is based on the Chambeali form of Takri used in the former State of Chamba, which is now part of the state of Himachal Pradesh, India. The Chambeali form served as the basis for a Takri metal font. This font was used by George Grierson to print specimens of the Chambeali, Dogri, and Kangri languages in the *Linguistic Survey of India*, and by the British and Foreign Bible Society (Ludhiana, Punjab) to print Christian literature, an excerpt of which is shown in Figure 17. The Dogri form of Takri was also standardized and metal fonts were developed for it, but the reformed Dogri script is associated specifically with the Dogri language, while the Chambeali form was used more broadly to write other languages, such as Kangri. Therefore, the Chambeali form is chosen to represent a unified Takri encoding. A comparison of the Chambeali glyphs used by Grierson with the digitized forms drawn by Anshuman Pandey is given in Table 1.

3.1 Characters Not Proposed

The following characters are attested in printed and written Takri materials, but they are not proposed for encoding at present:

1. **LETTER SSA** Several charts show the form  for SSA. This glyph is simply that of KHA, as the retroflex sibilant is often pronounced as an aspirated velar plosive in the Chambeali, Dogri, and ‘Pa-hari’ languages. The chart in Figure 6 shows the glyph  for SSA. This character resembles the sequence SA + VIRAMA + HA, in which a half-form of SA is joined to a modified form of HA, which corresponds to the irregular form *रह in Devanagari. This is most likely an attempt at supplying a character inherently lacking in Takri.

¹² Kaul Deambi 2008: 70. ¹³ Grierson 1916a: 638.

2. **DANDA and DOUBLE DANDA** Takri forms of DANDA and DOUBLE DANDA may be unified with those of Devanagari.
3. **Precomposed Characters with NUKTA** Although there may be historical reasons to encoding NUKTA characters independently, they may be represented using the base character + NUKTA. Such characters are *३ DDDHA (DDA + NUKTA), *३ RHA (DDHA + NUKTA), *३ LLA (LA + NUKTA), and *३ SHA (SA + NUKTA).
4. **Number Forms** Fraction signs and currency marks are found in Takri documents. They are identical to the characters in the Common Indic Number Forms block (U+A830..U+A83F). See Pandey (2007) for more information on these characters.

3.2 Notes on Characters

The glyphs for the proposed Takri characters are based upon those in the Chambeali metal font; however, the Chambeali form does not contain some characters found in other forms of Takri. In order to accommodate all forms of Takri, the proposed script includes the following characters:

1. **LETTER NYA** The character ॢ NYA is based upon the Dogri form, as shown in Figure 18.
2. **LETTER SHA** The character ॣ SHA is based upon the form shown in Figure 6, which is most likely derived from the form shown in Figure 44. Chambeali Takri uses ॣ to represent SHA.
3. **LETTER RRA** This letter represents the unaspirated retroflex flap consonant. In several north Indic scripts this sound is represented by writing a NUKTA beneath DDA, and in some scripts it is encoded as the atomic character DDDHA. The Chambeali form of Takri represents this sound using ३ (DDA + NUKTA); however, the Dogri form uses the character ३, which is semantically identical to U+05AC GURMUKHI LETTER RRA. The Takri RRA is, therefore, proposed for encoding as an atomic character. It is based upon the form shown in Figure 6.
4. **SIGN VIRAMA** The character । VIRAMA is based upon the form depicted in Figure 6.
5. **SIGN NUKTA** The character ॥ NUKTA is proposed in order to accommodate characters such as ॢ *GHHA, etc. that are represented arbitrarily in Takri documents.

4 Implementation

4.1 Encoding Model

Takri should be implemented according to the *virāma* model.

4.2 Consonant Conjuncts

Consonant conjuncts are infrequently written in Takri. Consonant clusters are broken through epenthesis of the inherent vowel. When conjuncts are written, they consist of two consonants, of which the second element is ॢ YA, ॣ RA, or । HA. Takri YA is represented in conjuncts as ॣ, eg. ॣ *chya*. The letter RA is represented as ॣ, which is written as a ligature, eg. ॣ *tra*, or as a subjoining form, eg. ॣ *pra*. Letter HA is written as a half-form, eg. ॣ *mha*.

Clusters consisting of geminated consonants are written using a single consonant letter. This practice is common to that of Gurmukhi, in which geminated consonants are written using a single letter. But, unlike Gurmukhi in which such cases are marked using ॱ GURMUKHI ADDAK, doubled consonants are not expressed orthographically in Takri.

4.3 Vowel Equivalencies

Some atomic vowel letters may be represented using a sequence of a base vowel letter and a vowel sign. This practice is not recommended. The atomic character should always be used. The characters in question are specified below:

RECOMMENDED	NOT RECOMMENDED
𑒦 VOWEL LETTER AA	𑒦 VOWEL LETTER A + 𑒦 VOWEL SIGN AA
𑒧 VOWEL LETTER AI	𑒧 VOWEL LETTER E + 𑒧 VOWEL SIGN E
𑒨 VOWEL LETTER O	𑒨 VOWEL LETTER A + 𑒨 VOWEL SIGN O
𑒩 VOWEL LETTER AU	𑒨 VOWEL LETTER A + 𑒩 VOWEL SIGN AU

4.4 Appearance

Headlines are generally not used in Takri as is the practice for writing Devanagari. But, headlines do appear in the glyph shapes of certain Takri letters, compare Chambeali 𑒦 MA and 𑒦 SA. The headline is an intrinsic feature of glyph shapes in such varieties as Dogri Akkhar, which is inspired by the design of Devanagari characters. There is no rule regarding the joining of headlines. The headlines of two sequential characters possessing headlines are left unjoined in Chambeali. In printed Dogra Akkhar, the headlines of a letter and a vowel sign are joined.

4.5 Collation

The collating order for Takri is as follows:

A AA I II U UU E AI O AU SA SHA HA KA KHA GA GHA NGA CA CHA JA JHA NYA TTA TTHA DDA
DDHA NNA TA THA DA DHA NA PA PHA BA BHA MA YA RA LA VA RRA SIGN AA SIGN I SIGN II SIGN
U SIGN UU SIGN E SIGN AI SIGN O SIGN AU ANUSVARA VISARGA VIRAMA

The writing of SA, SHA, and HA at the top of the consonant order after the vowels is similar to the ordering of these consonant letters in Gurmukhi.

Combinations of consonant letter + NUKTA are sorted with the base letter.

4.6 Linebreaking

Letters, vowel signs, and digits behave as in Devanagari.

4.7 Character Properties

The properties for Takri characters in the Unicode Character Database format are:

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11680;TAKRI LETTER A;Lo;0;L;;;;N;;;;;
11681;TAKRI LETTER AA;Lo;0;L;;;;N;;;;;
11682;TAKRI LETTER I;Lo;0;L;;;;N;;;;;
11683;TAKRI LETTER II;Lo;0;L;;;;N;;;;;
11684;TAKRI LETTER U;Lo;0;L;;;;N;;;;;
11685;TAKRI LETTER UU;Lo;0;L;;;;N;;;;;
11686;TAKRI LETTER E;Lo;0;L;;;;N;;;;;
11687;TAKRI LETTER AI;Lo;0;L;;;;N;;;;;
11688;TAKRI LETTER O;Lo;0;L;;;;N;;;;;
11689;TAKRI LETTER AU;Lo;0;L;;;;N;;;;;
1168A;TAKRI LETTER KA;Lo;0;L;;;;N;;;;;
1168B;TAKRI LETTER KHA;Lo;0;L;;;;N;;;;;
1168C;TAKRI LETTER GA;Lo;0;L;;;;N;;;;;
1168D;TAKRI LETTER GHA;Lo;0;L;;;;N;;;;;
1168E;TAKRI LETTER NGA;Lo;0;L;;;;N;;;;;
1168F;TAKRI LETTER CA;Lo;0;L;;;;N;;;;;
11690;TAKRI LETTER CHA;Lo;0;L;;;;N;;;;;
11691;TAKRI LETTER JA;Lo;0;L;;;;N;;;;;
11692;TAKRI LETTER JHA;Lo;0;L;;;;N;;;;;
11693;TAKRI LETTER NYA;Lo;0;L;;;;N;;;;;
11694;TAKRI LETTER TTA;Lo;0;L;;;;N;;;;;
11695;TAKRI LETTER TTHA;Lo;0;L;;;;N;;;;;
11696;TAKRI LETTER DDA;Lo;0;L;;;;N;;;;;
11697;TAKRI LETTER DDHA;Lo;0;L;;;;N;;;;;
11698;TAKRI LETTER NNA;Lo;0;L;;;;N;;;;;
11699;TAKRI LETTER TA;Lo;0;L;;;;N;;;;;
1169A;TAKRI LETTER THA;Lo;0;L;;;;N;;;;;
1169B;TAKRI LETTER DA;Lo;0;L;;;;N;;;;;
1169C;TAKRI LETTER DHA;Lo;0;L;;;;N;;;;;
1169D;TAKRI LETTER NA;Lo;0;L;;;;N;;;;;
1169E;TAKRI LETTER PA;Lo;0;L;;;;N;;;;;
1169F;TAKRI LETTER PHA;Lo;0;L;;;;N;;;;;
116A0;TAKRI LETTER BA;Lo;0;L;;;;N;;;;;
116A1;TAKRI LETTER BHA;Lo;0;L;;;;N;;;;;
116A2;TAKRI LETTER MA;Lo;0;L;;;;N;;;;;
116A3;TAKRI LETTER YA;Lo;0;L;;;;N;;;;;
116A4;TAKRI LETTER RA;Lo;0;L;;;;N;;;;;
116A5;TAKRI LETTER LA;Lo;0;L;;;;N;;;;;
116A6;TAKRI LETTER VA;Lo;0;L;;;;N;;;;;
116A7;TAKRI LETTER SHA;Lo;0;L;;;;N;;;;;
116A8;TAKRI LETTER SA;Lo;0;L;;;;N;;;;;
116A9;TAKRI LETTER HA;Lo;0;L;;;;N;;;;;
116AA;TAKRI LETTER RRA;Lo;0;L;;;;N;;;;;
116AB;TAKRI SIGN ANUSVARA;Mn;0;NSM;;;;N;;;;;
116AC;TAKRI SIGN VISARGA;Mc;0;L;;;;N;;;;;
116AD;TAKRI VOWEL SIGN AA;Mn;0;NSM;;;;N;;;;;
116AE;TAKRI VOWEL SIGN I;Mc;0;L;;;;N;;;;;
116AF;TAKRI VOWEL SIGN II;Mc;0;L;;;;N;;;;;
116B0;TAKRI VOWEL SIGN U;Mn;0;NSM;;;;N;;;;;
116B1;TAKRI VOWEL SIGN UU;Mn;0;NSM;;;;N;;;;;
116B2;TAKRI VOWEL SIGN E;Mn;0;NSM;;;;N;;;;;
116B3;TAKRI VOWEL SIGN AI;Mn;0;NSM;;;;N;;;;;
116B4;TAKRI VOWEL SIGN O;Mn;0;NSM;;;;N;;;;;
116B5;TAKRI VOWEL SIGN AU;Mn;0;NSM;;;;N;;;;;
116B6;TAKRI SIGN VIRAMA;Mn;9;NSM;;;;N;;;;;
116B7;TAKRI SIGN NUKTA;Mn;7;NSM;;;;N;;;;;
116C0;TAKRI DIGIT ZERO;Nd;0;L;0;0;0;N;;;;;

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116C1;TAKRI DIGIT ONE;Nd;0;L;;1;1;1;N;;;;;
116C2;TAKRI DIGIT TWO;Nd;0;L;;2;2;2;N;;;;;
116C3;TAKRI DIGIT THREE;Nd;0;L;;3;3;3;N;;;;;
116C4;TAKRI DIGIT FOUR;Nd;0;L;;4;4;4;N;;;;;
116C5;TAKRI DIGIT FIVE;Nd;0;L;;5;5;5;N;;;;;
116C6;TAKRI DIGIT SIX;Nd;0;L;;6;6;6;N;;;;;
116C7;TAKRI DIGIT SEVEN;Nd;0;L;;7;7;7;N;;;;;
116C8;TAKRI DIGIT EIGHT;Nd;0;L;;8;8;8;N;;;;;
116C9;TAKRI DIGIT NINE;Nd;0;L;;9;9;9;N;;;;;

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	1168	1169	116A	116B	116C
0	𑖀 11680	𑖁 11690	𑖂 116A0	𑖃 116B0	𑖄 116C0
1	𑖅 11681	𑖆 11691	𑖇 116A1	𑖈 116B1	𑖉 116C1
2	𑖊 11682	𑖋 11692	𑖌 116A2	𑖍 116B2	𑖎 116C2
3	𑖏 11683	𑖐 11693	𑖑 116A3	𑖒 116B3	𑖓 116C3
4	𑖔 11684	𑖕 11694	𑖖 116A4	𑖗 116B4	𑖘 116C4
5	𑖙 11685	𑖚 11695	𑖛 116A5	𑖜 116B5	𑖝 116C5
6	𑖞 11686	𑖟 11696	𑖠 116A6	𑖡 116B6	𑖢 116C6
7	𑖣 11687	𑖤 11697	𑖥 116A7	𑖦 116B7	𑖧 116C7
8	𑖨 11688	𑖩 11698	𑖪 116A8		𑖫 116C8
9	𑖬 11689	𑖭 11699	𑖮 116A9		𑖯 116C9
A	𑖰 1168A	𑖱 1169A	𑖲 116AA		
B	𑖳 1168B	𑖴 1169B	𑖵 116AB		
C	𑖶 1168C	𑖷 1169C	𑖸 116AC		
D	𑖹 1168D	𑖺 1169D	𑖻 116AD		
E	𑖼 1168E	𑖽 1169E	𑖾 116AE		
F	𑖿 1168F	𑗀 1169F	𑗁 116AF		

Figure 2: Proposed code chart for Takri

Independent vowels

11680	𑒀	TAKRI LETTER A
11681	𑒁	TAKRI LETTER AA
11682	𑒂	TAKRI LETTER I
11683	𑒃	TAKRI LETTER II
11684	𑒄	TAKRI LETTER U
11685	𑒅	TAKRI LETTER UU
11686	𑒆	TAKRI LETTER E
11687	𑒇	TAKRI LETTER AI
11688	𑒈	TAKRI LETTER O
11689	𑒉	TAKRI LETTER AU

116C1	𑒐	TAKRI DIGIT ONE
116C2	𑒑	TAKRI DIGIT TWO
116C3	𑒒	TAKRI DIGIT THREE
116C4	𑒓	TAKRI DIGIT FOUR
116C5	𑒔	TAKRI DIGIT FIVE
116C6	𑒕	TAKRI DIGIT SIX
116C7	𑒖	TAKRI DIGIT SEVEN
116C8	𑒗	TAKRI DIGIT EIGHT
116C9	𑒘	TAKRI DIGIT NINE

Consonants

1168A	𑒊	TAKRI LETTER KA
1168B	𑒋	TAKRI LETTER KHA
1168C	𑒌	TAKRI LETTER GA
1168D	𑒍	TAKRI LETTER GHHA
1168E	𑒎	TAKRI LETTER NGA
1168F	𑒏	TAKRI LETTER CA
11690	𑒐	TAKRI LETTER CHA
11691	𑒑	TAKRI LETTER JA
11692	𑒒	TAKRI LETTER JHA
11693	𑒓	TAKRI LETTER NYA
11694	𑒔	TAKRI LETTER TTA
11695	𑒕	TAKRI LETTER TTHA
11696	𑒖	TAKRI LETTER DDA
11697	𑒗	TAKRI LETTER DDHA
11698	𑒘	TAKRI LETTER NNA
11699	𑒙	TAKRI LETTER TA
1169A	𑒚	TAKRI LETTER THA
1169B	𑒛	TAKRI LETTER DA
1169C	𑒜	TAKRI LETTER DHA
1169D	𑒝	TAKRI LETTER NA
1169E	𑒞	TAKRI LETTER PA
1169F	𑒟	TAKRI LETTER PHA
116A0	𑒠	TAKRI LETTER BA
116A1	𑒡	TAKRI LETTER BHA
116A2	𑒢	TAKRI LETTER MA
116A3	𑒣	TAKRI LETTER YA
116A4	𑒤	TAKRI LETTER RA
116A5	𑒥	TAKRI LETTER LA
116A6	𑒦	TAKRI LETTER VA
116A7	𑒧	TAKRI LETTER SHA
116A8	𑒨	TAKRI LETTER SA
116A9	𑒩	TAKRI LETTER HA
116AA	𑒪	TAKRI LETTER RRA

Various signs

116AB	◌̣	TAKRI SIGN ANUSVARA
116AC	◌̤	TAKRI SIGN VISARGA

Dependent vowel signs

116AD	◌̥	TAKRI VOWEL SIGN AA
116AE	◌̦	TAKRI VOWEL SIGN I
116AF	◌̧	TAKRI VOWEL SIGN II
116B0	◌̨	TAKRI VOWEL SIGN U
116B1	◌̩	TAKRI VOWEL SIGN UU
116B2	◌̪	TAKRI VOWEL SIGN E
116B3	◌̫	TAKRI VOWEL SIGN AI
116B4	◌̬	TAKRI VOWEL SIGN O
116B5	◌̭	TAKRI VOWEL SIGN AU

Various signs

116B6	◌̮	TAKRI SIGN VIRAMA
116B7	◌̯	TAKRI SIGN NUKTA

Digits

116C0	◌̰	TAKRI DIGIT ZERO
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Figure 3: Proposed names list for Takri

CONSONANTS

	A	B		A	B		A	B
KA	क	क	DDA	ड	ड	BA	ब	ब
KHA	ख	ख	(DDDHA)	(ड़)	(ड़)	BHA	भ	भ
GA	ग	ग	DDHA	ढ	ढ	MA	म	म
GHA	घ	घ	(RHA)	(ढ़)	(ढ़)	YA	य	य
NGA	ङ	ङ	NNA	न	न	RA	र	र
CA	च	च	TA	ट	ट	LA	ल	ल
CHA	छ	छ	THA	थ	थ	(LLA)	(ल़)	(ल़)
JA	ज	ज	DA	ड	ड	VA	व	व
JHA	झ	झ	DHA	ढ	ढ	SHA	(श़)	(श़)
NYA	—	न	NA	न	न	SA	स	स
TTA	ट	ट	PA	प	प	HA	ह	ह
TTHA	ठ	ठ	PHA	फ	फ	RRA	—	र

VOWELS

	A	B		A	B		A	B
A	अ	अ	U	उ	उ	O	ऑ	ऑ
AA	आ	आ	UU	ऊ	ऊ	AU	औ	औ
I	इ	इ	E	ऎ	ऎ	AM	अं	अं
II	ई	ई	AI	ऒ	ऒ			

Table 1: Comparison of the Chambeali Takri font used by Grierson in the *Linguistic Survey of India* (column ‘A’) with a digitized font developed by Anshuman Pandey (column ‘B’). Note: AM represents LETTER A + SIGN ANUSVARA. Characters shown in parentheses are part of the Chambeali script, but are not proposed for encoding as atomic characters as they can be produced using NUKTA.

	TAKRI	GURMUKHI	SHARADA	DEVANAGARI		TAKRI	GURMUKHI	SHARADA	DEVANAGARI
KA	क	ਕ	क	क	THA	थ	ਥ	थ	थ
KHA	ख	ਖ	ख	ख	DA	द	ਦ	द	द
GA	ग	ਗ	ग	ग	DHA	ध	ਧ	ध	ध
GHA	घ	ਘ	घ	घ	NA	न	ਨ	न	न
NGA	ङ	ਙ	ङ	ङ	PA	प	ਪ	प	प
CA	च	ਚ	च	च	PHA	फ	ਫ	फ	फ
CHA	छ	ਛ	छ	छ	BA	ब	ਬ	ब	ब
JA	ज	ਜ	ज	ज	BHA	भ	ਭ	भ	भ
JHA	झ	ਝ	झ	झ	MA	म	ਮ	म	म
NYA	य	ਯ	य	य	YA	य	ਯ	य	य
TTA	ट	ਟ	ट	ट	RA	र	ਰ	र	र
TTHA	ठ	ਠ	ठ	ठ	LA	ल	ਲ	ल	ल
DDA	ड	ਡ	ड	ड	LLA	(ल़)	ਲ਼	ड़	ळ
DDDHA	(ढ़)	—	—	ड़	VA	व	ਵ	व	व
RRA	ॠ	ੜ	—	—	SHA	श	ਸ਼	श	श
DDHA	ॡ	ਦ਼	ॢ	ढ	SSA	—	—	ष	ष
RHA	(ॡ)	—	—	ॣ	SA	स	ਸ	स	स
NNA	॥	ਣ	॥	ण	HA	ह	ਹ	ह	ह
TA	त	ਤ	त	त					

Table 2: A comparison of consonant letters of Takri, Gurmukhi, Sharada, and Devanagari.

INDEPENDENT VOWELS					DEPENDENT VOWEL SIGNS				
	TAKRI	GURMUKHI	SHARADA	DEVANAGARI		TAKRI	GURMUKHI	SHARADA	DEVANAGARI
A	ਯ	ਅ	ਸ਼	अ	-A	—	—	—	—
AA	ਯ਼	ਆ	ਸ਼ੁ	आ	-AA	ँ	ਾ	ਾ	ा
I	ਏ	ਇ	ਙ	इ	-I	ि	ਿ	ि	ि
II	ਏ	ਈ	ਙੰ	ई	-II	ी	ੀ	ी	ी
U	ਓ	ਉ	ਭ	उ	-U	ु	ੁ	ु	ु
UU	ਓ਼	ਉਂ	ਭੰ	ऊ	-UU	ू	ੂ	ू	ू
E	ਏ	ਏ	ਐ	ए	-E	े	ੇ	ੇ	े
AI	ਏ	ਐ	ਐ	ऐ	-AI	ै	ੈ	ै	ै
O	ਓ	ਓ	ਓ	ओ	-O	ो	ੌ	ੋ	ो
AU	ਓਏ	ਐਂ	ਐਂ	औ	-AU	ौ	ੌ	ੌ	ौ

Table 3: A comparison of vowel letters and signs of Takri, Gurmukhi, Sharada, and Devanagari.

	TAKRI	GURMUKHI	SHARADA	DEVANAGARI		TAKRI	GURMUKHI	SHARADA	DEVANAGARI
ZERO	•	੦	•	०	FIVE	੫	੫	੫	५
ONE	੧	੧	੦	१	SIX	੬	੬	੬	६
TWO	੨	੨	੧	२	SEVEN	੭	੭	੭	७
THREE	੩	੩	੨	३	EIGHT	੮	੮	੮	८
FOUR	੪	੪	੩	४	NINE	੯	੯	੯	९

Table 4: A comparison of digits of Takri, Gurmukhi, Sharada, and Devanagari.

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

	I	II	III	IV	V	VI	VII	VIII	IX	X
Characters in Roman	Chamba Plate of Balabhadra V.S. 1667	Chamba Plate of Balabhadra V.S. 1692	Mindhal Plate of Prthvisiṅha V.S. 1698	Chamba Plate of Prthvisiṅha V.S. 1702	Divkhari Plate of Prthvisiṅha V.S. 1718	Lakṣminārāyaṇa Temple Plate of Śatrusiṅha	Lakṣminārāyaṇa Temple Niche Inscription	Cabūtra Stone Inscription	Treaty Between Rajasiṅha and Samsaracand	Modern Takari
a	अ ण	अ	अ अ	अ	अ	अ		अ	अ	अ
ā				अ						अ
i	इ	इ	इ	इ	इ	इ	इ		इ	इ
ī										इ
u	उ	उ	उ	उ	उ			उ	उ	उ
ū										उ
e	ए	ए	ए	ए	ए	ए	ए	ए	ए	ए
ai		ऐ			ऐ					ऐ
o	ओ	ओ	ओ	ओ		ओ				ओ
anu-nāsika	ँ	ँ	ँ	ँ	ँ	ँ				
k	क क	क	क	क	क	क	क	क क	क	क
kh	ख		ख	ख		ख			ख	ख
g	ग	ग	ग	ग	ग	ग	ग	ग	ग	ग
gh	घ	घ	घ		घ				घ	घ
ṅ		ङ		ङ						ङ
c	च च	च	च	च	च	च		च	च	च
ch	छ		छ			छ			छ	छ

Figure 4: Comparison of historical and modern forms of Takri (from Kaul Deambi 2008: Table 8a).

TABLE 8 (b)
DEVĀŚEṢA - TĀKARĪ ALPHABET
(17th - 18th Centuries)

Characters in Roman	I Chamba Plate of Balabhadra V.S. 1667	II Chamba Plate of Balabhadra V.S. 1692	III Mindhal Plate of Prthvisinha V.S. 1698	IV Chamba Plate of Prthvisinha V.S. 1702	V Divkhari Plate of Prthvisinha V.S. 1718	VI Lakṣmīnārāyaṇa Temple Plate of Satrusinha	VII Lakṣmīnārāyaṇa Temple Niche Inscription	VIII Cabōtrā Stone Inscription	IX Treaty Between Rājāsīnha and Samaracand	X Modern Tākari
j	𑖞	𑖞𑖞	𑖞	𑖞	𑖞	𑖞𑖞		𑖞	𑖞	𑖞
jh	𑖞𑖞𑖞	𑖞𑖞	𑖞𑖞		𑖞𑖞	𑖞𑖞			𑖞𑖞	𑖞𑖞
ñ										𑖞𑖞
t	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞			𑖞𑖞	𑖞𑖞
th	𑖞𑖞	𑖞𑖞	𑖞𑖞		𑖞𑖞	𑖞𑖞			𑖞𑖞	𑖞𑖞
ḍ	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞		𑖞𑖞	𑖞𑖞
ḍh	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞						𑖞𑖞
n	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞		𑖞𑖞	𑖞𑖞	𑖞𑖞
t	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞
th	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞		𑖞𑖞	𑖞𑖞	𑖞𑖞
d	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞
dh	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞		𑖞𑖞	𑖞𑖞	𑖞𑖞
n	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞
p	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞
ph	𑖞𑖞	𑖞𑖞	𑖞𑖞						𑖞𑖞	𑖞𑖞
bh	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞		𑖞𑖞	𑖞𑖞	𑖞𑖞
m	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞	𑖞𑖞

Figure 5: Comparison of historical and modern forms of Takri (from Kaul Deambi 2008: Table 8b).

TABLE 8 (c)
DEVĀŚEṢA - ṬĀKARĪ ALPHABET
(17th - 18th Centuries)

	I	II	III	IV	V	VI	VII	VIII	IX	X
Characters in Roman	Chamba Plate of Balabhadra V.S. 1667	Chamba Plate of Balabhadra V.S. 1692	Mindhal Plate of Pṛthvisiṅha V.S. 1698	Chamba Plate of Pṛthvisiṅha V.S. 1702	Divkhari Plate of Pṛthvisiṅha V.S. 1718	Lakṣminārāyaṇa Temple Plate of Śatrusiṅha	Lakṣminārāyaṇa Temple Niche Inscription	Cabūtrā Stone Inscription	Treaty Between Rajasimha and Samsaracand	Modern Ṭākari
y	य	य	य	य	य	य		य		य
r	र	र	र	र	र	र	र	र	र	र
l	ल	लल	ल	ल	ल	ल		ल	ल	ल
v	व	व	व	व	व	व		व	व	व
ś	स	स	स	स	स	स		स	स	स
ṣ	ष	ष	ष	ष	ष	ष		ष	ष	ष
s	से	से	से	से	से	से	से	से	से	से
h	ह	ह	ह	ह	ह	ह	ह	ह	ह	ह
halanta	उ	उ	उ	उ	उ	उ		उ		
MEDIAL VOWELS										
ā with k	का	का	का	का	का	का		का	का	का
ā	जा रा ना	जा ना	जा ना	जा ना	जा ना	जा ना				
i with k	कि	कि	कि	कि	कि	कि	कि	कि		कि
ī with k	की	की	की	की	की	की		की	की	की
u with k	हु कु	कु	बहु कु	बहु कु	कु	कु	कु	कु	कु	कु
u with k	कु	कु	कु	कु	कु	कु		कु	कु	
ru	रु				रु		रु			

Figure 6: Comparison of historical and modern forms of Takri (from Kaul Deambi 2008: Table 8c).

TABLE 9
NUMERALS OF THE ṬĀKARĪ ALPHABET

	I Guroli Plate of Vairsivarman	II Chamba Plate of Ānandavarman	III Chamba Plate of Pratāpasinhā	IV Chamba Plate of Balabhadra	V Lakṣmīnārāyaṇa Temple Plate of Balabhadra	VI Camba and Mamdu Grants of Balabhadra	VII Cabūtrā Stone Inscription	VIII Treaty between Rājasinhā and Samsaracand
1	ᳵ	ᳶ᳷	ᳵ	ᳵ	ᳵ	ᳵ	ᳵ	ᳶ
2		᳷		᳷		᳷	᳷	᳷
3	᳸	᳹	᳸		᳸		᳹	
4		ᳺ		ᳺ	ᳺ			ᳺ
5		᳻	᳻	᳻			᳼	᳼
6		᳽᳾	᳾	᳾	᳾	᳾	᳾	
7	᳿	᳿			᳿	᳾	᳾	
8	᳾					᳿	᳿	᳾
9		᳾		᳾		᳾		
MODERN ṬĀKARĪ								
1 to zero	ᳵ ᳾	᳷ ᳾	᳸ ᳾	ᳺ	᳾	᳾	᳾	
ᳵ	᳷	᳸	ᳺ	᳾	᳾	᳾	᳾	᳾

Figure 7: Comparison of historical and modern forms of Takri digits (from Kaul Deambi 2008: Table 9).



Figure 8: A painting (c. 1758) by Nainsukh of Balwant Singh, prince of Jasrota, showing the prince writing a letter to Amrit Pal, the ruler of Basohli. (from Goswami 1997: 190–191).

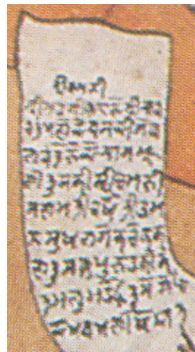


Figure 9: Enlargement of Takri letter shown in Figure 8

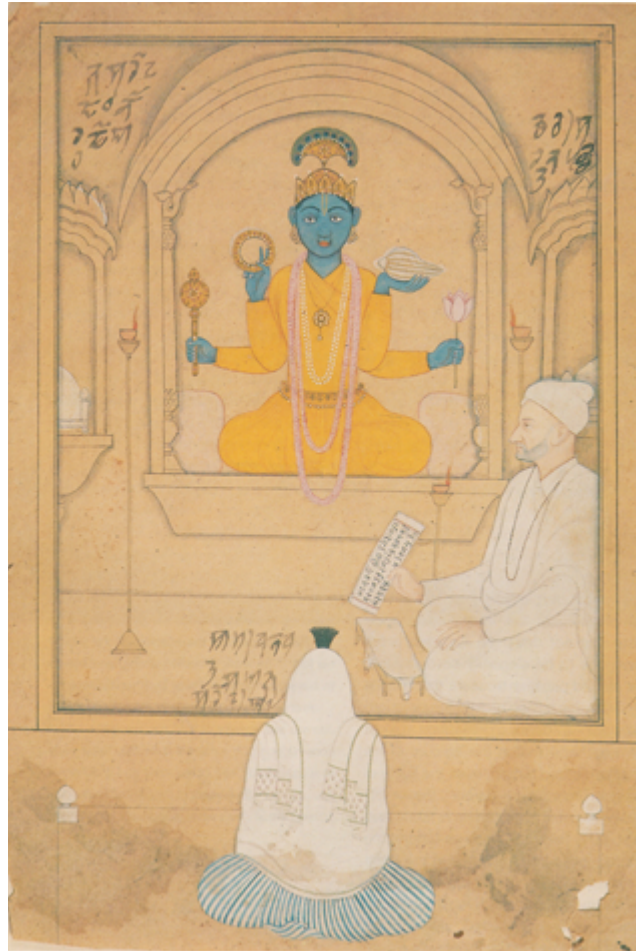


Figure 10: A painting (c. 1760) by Nainsukh of Balwant Singh, prince of Jasrota, in the *ṭhākurdvāra* (from Goswami 1997: 200–201).

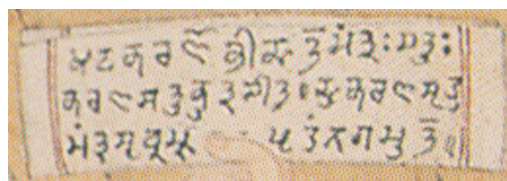


Figure 11: Enlargement of Sanskrit text in Takri shown in Figure 10

The printed Chamba Tākri alphabet is as follows :—

Vowels.

ँ a ँ ā ँ i ँ ī ँ u ँ ū
 २ ē २ ai २ ō २ au ँ m.

Consonants.

क ka	ख kha	ग ga	घ gha	ङ na
च cha	छ chha	ज ja	झ jha	
ट ta	ठ tha	ड da	ढ dha	ण na
त ta	थ tha	द da	ध dha	न na
प pa	फ pha	ब ba	भ bha	म ma
य ya	र ra	ल la	व va	
श sa	ह ha	र ra	ल la	श sha

Conjuncts.

य ya थ thi ह hi सु su पु pu उ or हु hu
 त te ह hai यो yō यौ yau रं ram or rā छ chhya
 प्र pra त्र tra म् mha.

Numerals.

१ 1, २ 2, ३ 3, ४ 4, ५ 5, ६ 6,
 ७ 7, ८ 8, ९ 9, ० 0.


Double letters are never written. They are left to be inferred by the reader. Thus, *dittā*, given, is written  *dittā*, but must be read *dittā*.

Figure 12: Chart of the Standard Chambeali form of Takri in print (from Grierson 1916a: 640).

STANDARD DIALECT.

Alphabet — Chamṣāli is written in a form of the Tākri alphabet. In the State of Chamba this character has been advanced to the dignity of the printing press, and type in an improved Tākri has been cast. The alphabet is as follows:—

ॐ a ॐ ka ॐ ā ॐ kā ॐ i ॐ ki
 ॐ ī ॐ kī ॐ u ॐ ku ॐ ū ॐ kū
 ॐ ē, ē ॐ kē, kē ॐ ai ॐ kai ॐ o ॐ kō
 ॐ au ॐ kau ॐ kam.

ॐ ka ॐ kha ॐ ga ॐ gha
 ॐ cha ॐ chha ॐ ja ॐ jha
 ॐ ta ॐ tha ॐ da ॐ dha ॐ na
 ॐ ra ॐ rha
 ॐ ta ॐ tha ॐ da ॐ dha ॐ na
 ॐ pa ॐ pha ॐ ba ॐ bha ॐ ma
 ॐ ya ॐ ra ॐ la ॐ va
 ॐ śa ॐ sha ॐ sa ॐ ha ॐ ḷa

SPECIMENS OF COMPOUND CONSONANTS.

ॐ kya ॐ khya ॐ kra ॐ tra ॐ dra ॐ lha

NUMERALS.

ॐ 1, ॐ 2, ॐ 3, ॐ 4, ॐ 5, ॐ 6, ॐ 7, ॐ 8, ॐ 9, ॐ 0

Figure 13: Chart of the Chambeali form of Takri (from Grierson 1916b: 772).

PAÑJĀBĪ.

ḌOGRĀ DIALECT.

(STATE JAMMU.)

SPEOIMEN II.

CHAMBA TĀKRI CHARAOTER.

।१। ਤੰ ਕੀਤ ਅਖਤੰਮ। ਮਿਤ ਕੋ ਗਮੀਤਲੀ ਸਤੰਮ। ਜਿਤ
ਖਿਧ ਮਿਲਿਤ ਗਮੀਤਲੀ ਅੰਧੋ ॥

।३। ਤੰ ਖੰਡ ਠਗ ਸਿੰ ਗਮੀਤਮ। ਸੁ ਤੀ ਲੁਟ ਲੰਮ। ਤੰ
ਗੰਮੀਤੁੰ ਰੰਘ ਖਿਤੰਧੋ ॥

।२। ਤੰ ਗੋਰਾ ਠਾਕੰ ਲਫੀਤਲੀ ਗਮੀਤਮ ਤਿਠੇ। ਜਿਤ ਖਿਧ
ਮਿਲਿਤ ਗਮੀਤਲੀ ਅੰਧੋ ॥

।४। ਤੰ ਘੋਰਾ ਗਤੰ ਗੰਧੁਤਮ ਸੁ ਖਿਧ ਘੰਮ। ਤੰ ਗੰਮੀ
ਤੁੰ ਰੰਘ ਖਿਤੰਧੋ ॥

Figure 14: The Dogri language printed in Chambeali Takri (from Grierson 1916a: 770).

PAÑJĀBĪ.

KĀNGRĀ DIALECT.

(DISTRICT, KANGRA.)

SPECIMEN II

ੋਯ ਸੀ ਧੁਯੀਟੰ ਪੰਛਤ ਰੁਪਧੇ ੋਯ ਸੀ
 ਯਯਤੁ ਧਲ ਬੈਯੀ ਰਥ ਬੇ । ਯਯ ਤਿਸਤੋ ਯਯੀ ਯਯੀ
 ਧੁਯੀ ਬੋਤੁ ਬੋਤੁ ਸੈਯ ਲੰਯੀ ਬੀ । ਔ ੋਯ ਮਿਯ
 ਧੁਯੀਟੰ ਯਯਤੁ ਤ ਧਪਯੀ ਬੈਯੀ ਗੰਗੀ ਤੁ ਯਯਤੁ
 ਲੇਖ ਯਯੀ ਪੰਛ ਰੁਪਧੇ ਧਯੀ ਮੋਯ ਯਯੇ ।
 ਫਿਯੀ ਓ ਧੁਯੀ ਤਿਸ ਤ ਪਯਿ ਪਯਿ ਸੈਯ
 ਯਯੀ ਯਯੀ ਲੰਯੀ ਰਤੀ । ਔ ਫਿਯੀ ਲੇਖ
 ਤੋਯ ਤੁ ਪੰਛ ਰੁਪਧੇ ਧਯੀ ਓ
 ਧੁਯੀਯਮੇ ਗੁਯੀ ਗਟ । ੋਯ ਗਲਯ ਗਲਯ
 ਲੇਯ ੨੩ ਯੀਤੁ ਔ
 ਪੰਛ ਪੰਛਤੁ ਲੋ ਗਟ ਪੰਛ ਯੀ ਲੋ ਪਯਿ ।
 ਮਯ ਯਯਤੁ ਧਯਿ ਪੋ ਤੁ ਧੁਯੀ ਯਯਿ ਯਯਿ॥

Figure 16: Hand-written specimen of the Kangri language in Chambeali Takri (from Grierson 1916a: 788).

CHAGA: Machame dialect 137

Iruva ekundyē
ulana katana alekeya mwana wakwe wa ngitañ, na wo
nndu akusirye nawe nalakooye ireka, naambo nakooye
iwarya muu wa luñanu.

Spoken on the slopes of Mt. Kilimanjaro, Tanganyika, East Africa.
First publication, the Gospels in 1932 by the BFBS; tr. by the Rev.
J. Raum, of the Leipzig Lutheran Mission, with the assistance of Salomo
Nkya.

CHAKMA 138

Kia Ishyor ei
jogodore en kuas pelo je, nijor eguagori Puare dan gori
dilo, jen je kio tare bichas gore, te binash no oy.
mattor Omor Jibon pay.

Spoken in the Chittagong Hills, Bengal, India. First publication.
Selections in 1915 at Calcutta by the Baptist Mission Press; tr. by
W. J. L. Wenger. New Testament, at London, by the Bible Trans-
lation and Literature Auxiliary, 1924–26; tr. by the Rev. George
Hughes, a Baptist Missionary.

CHALDEE

Hebrew characters

139

מֵאֲרָאָא לְמַצְלִים לְבֵית עֲבֹדָתָא: וְחַי אֱלֹהֵי יִשְׂרָאֵל
לְתַחֲלֵל וּלְדַבְּרֵי תְּהִלָּת וּלְשִׁמְיָהּ תְּהִי יְהוָה בְּתַר מַעֲוֹת עַמֵּיָא לְמַעֲוֹת עַמֵּיָא
דִּי בְּסַחְרֵינֵינוּ: אֲרִי אֱלֹהֵא בְּנָא יְיָ אֱלֹהֵהּ שְׂכֵנְתִּיהָ שְׂרָא בִּינָה דִּילְמָא יִתְקַף רִנְיָא
דִּי אֱלֹהֵהּ בְּרָא וְיִשְׁאַרְיָהּ מַעַל אֶפְרִי אֶרְעָא: וְלֹא תִנְסֹן יֵת יְיָ אֱלֹהֵינוּ בְּמָא לְנִסִּיתוֹן
לְנִסְתָּא: וְלִמְיָר תִּיפְרוֹן יֵת בִּינָה דִּי אֱלֹהֵינוּ וְסִבְדוֹתֶיהָ וְקִרְמוֹתֶיהָ דִּבְרָקָה:

Deut. 6.13–17; Complutensian Polyglot, 1517

The Aramaic vernacular which superseded Hebrew among the Jewish
population of Palestine and Babylon. First publication, the Targum
of Onkelos on the Pentateuch in 1482 at Bologna, with the Hebrew
text. The Targums for all the Old Testament, except Daniel, Ezra and
Nehemiah, were published in the first Rabbinic Bible, Venice, printed

by Daniel Bomberg, 1517. The Targums are translations or para-
phrases of the Hebrew text intended to be read in the synagogue, made as
Hebrew came to be less well understood than the vernacular. The dates of
their composition and their authorship are uncertain.

CHAMBIALI

140

Chamba character (Tankri)

ਮੇਰੇ ਨੇ ਅੱਜ ਦਿਨ ਚੰਬਾਈ ਦੇ ਲੋਕਾਂ ਨੂੰ
ਚੰਬਾਈ ਦੇ ਲੋਕਾਂ ਨੂੰ ਚੰਬਾਈ ਦੇ ਲੋਕਾਂ ਨੂੰ
ਚੰਬਾਈ ਦੇ ਲੋਕਾਂ ਨੂੰ ਚੰਬਾਈ ਦੇ ਲੋਕਾਂ ਨੂੰ
ਚੰਬਾਈ ਦੇ ਲੋਕਾਂ ਨੂੰ ਚੰਬਾਈ ਦੇ ਲੋਕਾਂ ਨੂੰ
ਚੰਬਾਈ ਦੇ ਲੋਕਾਂ ਨੂੰ ਚੰਬਾਈ ਦੇ ਲੋਕਾਂ ਨੂੰ
ਚੰਬਾਈ ਦੇ ਲੋਕਾਂ ਨੂੰ ਚੰਬਾਈ ਦੇ ਲੋਕਾਂ ਨੂੰ

1924

Spoken in Chamba State, India. First publication, St. Matthew's
Gospel, chapters 5–7, in 1882 at Ludhiana by the BFBS; tr. by Sohan
Lal, a native pastor, under the supervision of J. Hutchinson, of the
Church of Scotland Mission. St. Matthew's Gospel, 1883; St. John's
Gospel, 1884; St. Mark's Gospel, 1891; St. Luke's Gospel, 1910.

CHAMORRO

141

15 Para todo ayo y jumonggue güe, ti
siña malingo, ya guaja linálaña na tae-
jinecog.
16 ¶ Sa taegtüenao na jaguaeya si Yuus
y tano, janae ni linilisja Lajña y para
todo ayo y jumonggue güe, ti siña ma-
lingo, ya guaja linálaña na taejinecog.
17 Sa ti jatago si Yuus y Lajña guato
gui tano, para usapit y tano, lao para y
tano unalibre pot güiya.
18 Y jumonggue güe, ti umasapit;
ayo y ti jumonggue güe ayo umasapit,
sa ti manjonggue ni naan unoja na Lajin
Yuus.
19 Ya este na sinapit, na y inina malag
y tano, ya y taotao sija gaonñija y
jemjom qui y inina, sa y finatinasñija
31 ¶ Y g
taquilo q
tanoja gü
an; ya y
iyajululo.
32 Tanau
jajungog,
monioña.
33 Ya y
sumeyo ne
34 Sa y
jasangan,
ni y Espir
35 Sa y t
güinaja ja
36 Y jun
jinecog na

Spoken on the Island of Guam, Ladrone Islands. First publica-
tion, the Gospels, the Acts, and Psalms in 1908 by the ABS; tr. by the
Rev. Francis M. Price of the ABCFM. CP: ABS.

Figure 17: Entry for the Chambeali ('Chambiali') language in *The Book of a Thousand Tongues* showing a specimen of a bible in printed Takri of the Standard Chambiali type (from American Bible Society 1938: 80). The font used is identical to that used by Grierson in printing specimens in the *Linguistic Survey of India*.

The following are the Dōgrā characters as used in the specimens :—

Vowels.

INITIAL FORMS.

𑂔 a, 𑂕 ā, 𑂖 i or ī, 𑂗 u or ū, 𑂘 or 𑂙
e, ē or ai, 𑂚 ō or au, 𑂛 or 𑂜

NON-INITIAL FORMS.

𑂛 ka, 𑂜 k̄a, 𑂝 ki or kī, 𑂞 or 𑂟 ku, 𑂠 kū, 𑂡 ke or kē,
𑂢 kai, 𑂣 kō, 𑂤 kau, 𑂥 kañ or kã.

NOTE.—Great carelessness is allowed in writing the vowels and the nasal sign. They are often omitted altogether. Long and short vowels are frequently interchanged. Initial vowels are often written in the place of non-initial long ones. Thus—

𑂔 for 𑂕 dā; 𑂖 for 𑂗 t̄ā. The letter e or ē is frequently written for i, and ō for u.

Consonants.

𑂛 ka, 𑂜 kha, 𑂝 ga, 𑂞 gha, 𑂟 na;
𑂠 cha, 𑂡 chha, 𑂢 ja, 𑂣 jha, 𑂤 ñ;
𑂥 ta, 𑂦 tha, 𑂧 da, 𑂨 dha, 𑂩 or 𑂪 na;
𑂫 pa, 𑂬 pha, 𑂭 ba, 𑂮 bha, 𑂯 ma;
𑂰 ya, 𑂱 ra, 𑂲 la, 𑂳 va, wa;
𑂴 sha, 𑂵 sa, 𑂶 ha, 𑂷 ra.

NOTE.—That the same sign is employed for ja and ya, and for ba and va (or wa), respectively. There is really only one sibilant,—the letter sa. When it is necessary to represent the sound of the Persian *sh*, the character for *chha* is employed.

Figure 18: Chart of the Dogri style of Takri (from Grierson 1916a: 641).

In order to facilitate comparison, I next give the current written forms of the letters of the Gurmukhi, Kāṅgrā, and Ḍōgrā alphabets.

Gurmukhi.	Kāṅgrā.	Ḍōgrā.		Gurmukhi.	Kāṅgrā.	Ḍōgrā.	
ਅ	ਯ	ਯ	'āiṛā'	ੳ	ੳ	ਭੳ	ḍa
ਏ	ਏ	ਏ	'īṛī'	ਏ	ਏ	ਏ	ḍha
ਓ	ਓ	ਓ	'ūṛū'	ਓ	ਓ	ਓ	ṇa
ਓ	ਓ	ਓ	ō	ਤ	ਤ	ਤ	ta
ਸ	ਸ	ਸ	sa	ਬ	ਬ	ਬ	tha
ਹ	ਹ	ਹ	ha	ਦ	ਦ	ਦ	da
ਕ	ਕ	ਕ	ka	ਪ	ਪ	ਪ	dha
ਖ	ਖ	ਖ	kha	ਨ	ਨ	ਨ	na
ਗ	ਗ	ਗ	ga	ਪ	ਪ	ਪ	pa
ਘ	ਘ	ਘ	gha	ਫ	ਫ	ਫ	pha
ਬ	ਬ	ਬ	ba	ਬ	ਬ	ਬ	ba
ਚ	ਚ	ਚ	cha	ਤ	ਤ	ਤ	bha
ਛ	ਛ	ਛ	chha	ਮ	ਮ	ਮ	ma
ਜ	ਜ	ਜ	ja	ਨ	ਨ	ਨ	ya
ਝ	ਝ	ਝ	jha	ਰ	ਰ	ਰ	ra
ਢ	ਢ	ਢ	ṇa	ਲ	ਲ	ਲ	la
ਟ	ਟ	ਟ	ṭa	ਵ	ਵ	ਵ	wa
ਠ	ਠ	ਠ	ṭha	ਕ	ਕ	ਕ	re

Figure 19: Comparison of Kangri and Dogri styles of Takri with Gurmukhi (from Grierson 1916a: 642).

PAÑJĀBĪ.

DŌGRA DIALECT.

(JAMMU STATE.)

SPECIMEN I.

DŌGRA CHARACTER.

ਪਰ ਜਸਗਾ ਮੇ ਮੇ ਜੁਤੋ ਆਪ ਸਿ ਪਾਸ
 ਗੁਰ ਫੈਤਵ ਪੰਥਾ ਕਥੇਕ ਤਰ ਤਵ ਧੰ
 ਤਪਸੁਤਾ ਸਭਾ ਤਪ ਤੇਜੇ ਸੇਵਾ ਜੋਗਦ-
 ਤੇਵ ਸਤ ਸੇਵਾ ਸਭ-ਸਭ ਤੁਲ ਸਿਤੈ ਸਲ
 ਚਿਪਕਾ ਪਾਪ-ਸਭ ਸੁਤੈ ਆਖਿ ਸੇਵਾ ਜੋਗਦ-
 ਜੋਗਦੈ ਜੁਤੋ = ਗੁਰ ਸਪ-ਕੇਤ ਅੰਦ-ਕੇਤ
 ਸਭੇ ਸੇਵਾ ਸਭਾ ਜੋਗਦ ਕਾਰ ਸੁਤੈ ਆਖਿ
 ਸਾਧਨ ਸਲ ਜੁਸ ਗਣ ਕਤਵ ਗੋਗਦ-ਸਭ
 ਸੁਤਵ ਤਸ ਸਪ ਆਸ ਕੇਤ ਸਭੇ ਸਿ
 ਗੋਗਦ ਪਾਸ ਪਾਸ ਕਲ ਗਾਗਲ ਸੁਤ
 ਤੇਤ ਕੇਗਲ ਤੇਤ ਨਾਗ ਸੁਤਵ ਸਿ ਸੇਵਾਸ
 ਫਿਰ ਪਾਸ ਤਪਸੁਤਾ ਪਲ ਸਭ ਤੇਗਲ

Figure 20: Specimen of the Dogri language written in Dogri Takri (from Grierson 1916a: 760).

३४१	शुदरुण	३४१	शुदरुण
७४८१४३४	)।	३४१३	≡)
१४४४१४३४	)॥	शुद४३४३	≡)।
७४४४१४३४	)॥॥	श४४३४३	≡)॥
१४३४	-)	७४४४४४३४३	≡)॥॥
शुद४१४३४	-)।	४४४४३४३)।
४४४४१४३४	-)॥	शुद४४४४३४३)।

Figure 21: The forms of fractions in Takri and the number forms used to represent them (from Staal 1984: 75).

	Nagari	Dogri		Nagari	Dogri		Nagari	Dogri
a	अ	ਅ	ka	क	ਕ	ta	त	ਤ
ā	आ	ਆ	kha	ख	ਖ	tha	थ	ਥ
i	इ	ੲ	ga	ग	ਗ	da	द	ਦ
ī	ई	ੲ	gha	घ	ਘ	dha	ध	ਧ
u	उ	ਊ	nga	ङ	ਙ	na	न	ਨ
ū	ऊ	ਊ						
e	ए	ੲ	ca	च	ਚ	pa	प	ਪ
ai	ऐ	ੲ	cha	छ	ਚ	pha	फ	ਫ
o	ओ	ੲ	ja	ज	ਜ	ba	ब	ਬ
au	औ	ੲ	jha	झ	ਝ	bha	भ	ਭ
am (nasalized vowel)	अं	ਅੰ	ña	ञ	ਞ	ma	म	ਮ
śa	श	ਸ਼	ṭa	ट	ਟ	ya	य	ਯ
ṣa	ष	ਸ਼	ṭha	ठ	ਠ	ra	र	ਰ
sa	स	ਸ	ḍa	ड	ਡ	la	ल	ਲ
ha	ह	ਹ	dha	ढ	ਢ	va	व	ਵ
			ṇa	ण	ਣ			

Figure 22: Comparison of Dogri and Devanagari vowel and consonant letters (from Staal 1984: 33).

	Nagari	Dogri		Nagari	Dogri
kā	का	ਕਾ	gā	गा	ਗਾ
ki	कि	ਕਿ	gī	गि	ਗਿ
kī	की	ਕੀ	gi	गी	ਗੀ
ku	कु	ਕੁ	gu	गु	ਗੁ
kū	कू	ਕੂ	gū	गू	ਗੂ
ke	के	ਕੇ	ge	गे	ਗੇ
kai	कै	ਕੈ	gai	गै	ਗੈ
ko	को	ਕੋ	go	गो	ਗੋ
kau	कौ	ਕੌ	gau	गौ	ਗੌ
kaṃ	कं	ਕੰ	gaṃ	गं	ਗੰ
k	क	ਕ	g	ग	ਗ

Figure 23: Comparison of Dogri and Devanagari vowel signs (from Staal 1984: 34).

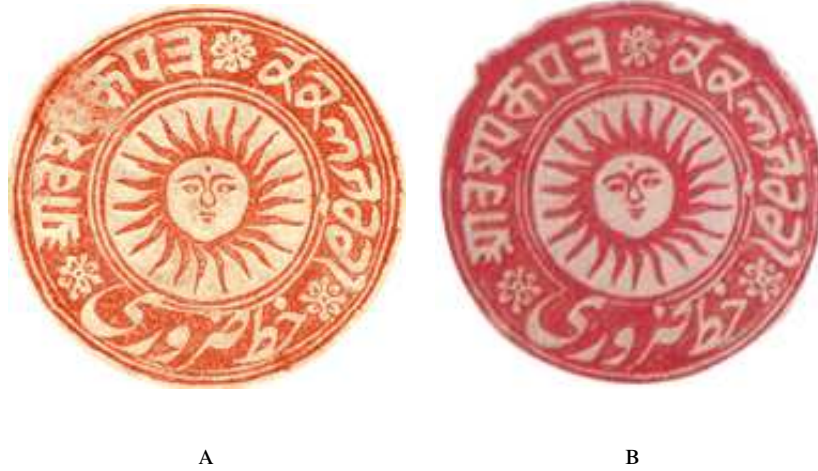


Figure 24: Two specimens of a trilingual stamp for expedited mail from Jammu State in Dogri Takri, Persian, and Devanagari scripts. The Takri reads **ਕਕਲ ਜਰੂਰੀ** *kakal jarurī* (note the use of Dogri forms for KA, JA, RA, and VOWEL SIGN II). The Persian reads **خط ضروری** *khaṭ zarūrī*; the Devanagari reads *āvaśyaka patra* आवश्यक पत्र.



Figure 25: Four bilingual regular postage stamps from Jammu State in Dogri Takri and Persian. Stamps A, B, and D are half ‘anna’ stamps and C is a one ‘anna’ stamp. In all stamps, the Takri text at the top reads **ਜਮੂ** ‘Jammu’ *jamau* and **ਕਸ਼ਮੀਰ** ‘Kashmir’ *kaśmīr* (note the use of Dogri **ਕ** CHA for writing SHA). In A, B, and D, the first line of the center is Persian **نیم آناه ۱۹۲۳ ۱۹۲۳** *[samvat] nim ānah* ‘half ānnā’; the second line of the center is Takri **ਯਾਦ ਯਾਦ** *ada ana* ‘half ānnā’. In C, the first line of the center is Persian **یک آناه** *yak ānah* ‘one ānnā’; the second line of the center is Takri **ਯਕ ਯਕ**. In all stamps, the third line of the center is the date 1923 *[samvat]* in Takri **੧੯੨੩**. The Persian at the bottom reads **قلمرو و سرکار جموں و کشمیر** *qalamra o sarkār jammūn o kaśmīr* ‘dominions of the ruler of Jammu and Kashmir.’

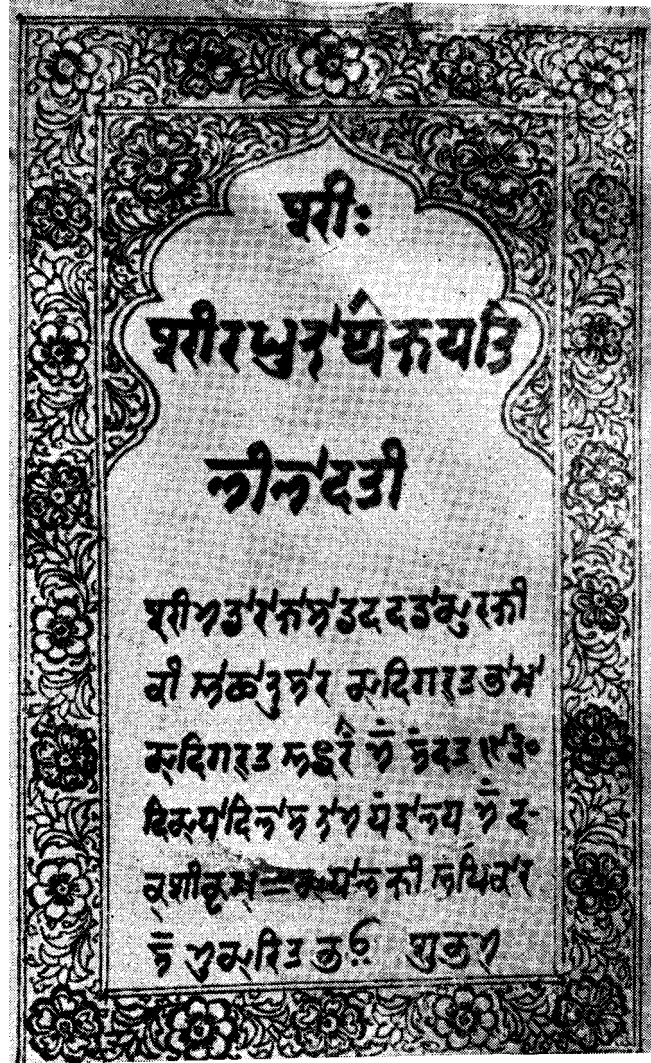


Figure 26: A folio of the *Līlavatī*, a treatise on mathematics, printed in the standardized Dogri Takri script known as ‘Dogra Akkhar’ (from Pathik 1980: Plate 3). The translation of the *Līlavatī* of Bhāskarācārya from Sanskrit into Dogri was commissioned by Maharaja Ranbir Singh and printed in the reformed Dogri script in 1872 at Vidya Vilas Press, the first printing press in Jammu.

	CHAMBEALI	DOGRI		CHAMBEALI	DOGRI
A	𑂔	𑂕	-A	<i>no dependent form</i>	
AA	𑂔𑂕	𑂕𑂕	-AA	𑂔𑂕	𑂕𑂕
I	𑂔𑂕	𑂕𑂕	-I	𑂔𑂕	—
II	𑂔𑂕	—	-II	𑂔𑂕	𑂕𑂕
U	𑂔𑂕	𑂕𑂕	-U	𑂔𑂕	𑂕𑂕
UU	𑂔𑂕	—	-UU	𑂔𑂕	𑂕𑂕
E	𑂔𑂕	𑂕𑂕	-E	𑂔𑂕	𑂕𑂕
AI	𑂔𑂕	𑂕𑂕	-AI	𑂔𑂕	𑂕𑂕
O	𑂔𑂕	𑂕𑂕	-O	𑂔𑂕	𑂕𑂕
AU	𑂔𑂕	𑂕𑂕	-AU	𑂔𑂕	𑂕𑂕

Table 5: Comparison of Chambeali and Dogri vowel letters and signs (differences highlighted). Characters shown in parentheses are part of the proposed Takri script, but are not proposed for encoding as atomic characters as they can be produced using NUKTA.

	CHAMBEALI	DOGRI		CHAMBEALI	DOGRI
KA	क	क	THA	थ	थ
KHA	ख	ख	DA	ड	ड
GA	ग	ग	DHA	ढ	ढ
GHA	घ	घ	NA	न	न
NGA	ङ	ङ	PA	प	प
CA	च	च	PHA	फ	फ
CHA	छ	च	BA	ब	ब
JA	ज	ज	BHA	भ	भ
JHA	झ	ज	MA	म	म
NYA	—	न	YA	य	य
TTA	ट	ट	RA	र	र
TTHA	ठ	ठ	LA	ल	ल
DDA	ड	ड	(LLA)	(ल)	—
(DDDHA)	(ढ)	—	VA	व	व
DDHA	ढ	ढ	SHA	(श)	श
(RHA)	(र)	(र)	SA	स	स
NNA	ॠ	ॠ	HA	ह	ह
TA	ॢ	ॢ	RRA	—	ॠ

Table 6: Comparison of Chambeali and Dogri consonant letters (differences highlighted). Characters shown in parentheses are part of the proposed Takri script, but are not proposed for encoding as atomic characters as they can be produced using NUKTA.

JAUNSĀRĪ (SIRMAURĪ) ALPHABET.

3	a	ॐ	kau	ॐ	tha
3, 3, 3	ā	ॐ	kā	ॐ	da
ॐ	i	ॐ	ka	ॐ	dha
ॐ	ī	ॐ	kha	ॐ	na
ॐ	u	ॐ	ga	ॐ	pa
ॐ	ū	ॐ	gha	ॐ	pha
ॐ, ॐ	ě, ē	—	na	ॐ	ba
ॐ	ai	ॐ	cha	ॐ	bha
ॐ	ō, ō	ॐ	chha	ॐ	ma
ॐ	au	ॐ	ja	ॐ	ya
ॐ	~	ॐ	jha	ॐ	ra
ॐ	ka	—	ña	ॐ	la
ॐ	kū	ॐ	tā	ॐ	wa
ॐ	ki	ॐ	tha	ॐ	śa
ॐ	kī	ॐ	ḍa	ॐ	sha
ॐ	ku	ॐ	ra	ॐ	sa
ॐ	kū	ॐ	ḍha	ॐ	ha
ॐ	kě, kē	ॐ	ṛha		
ॐ	kai	ॐ	ṛa		
ॐ	kō, kō	ॐ	ta		

When used before consonants of their own class, nasals are, as usual, represented by Anusvāra (◌ṁ). As *ṛi* and *ṛī* occur only in this position, they have no special character

Figure 27: Chart of the Jaunsari form of Takri (from Grierson 1916b: 384).

DISTRICT DERA DUN.

[illegible]

Figure 28: Specimen of the Jaunsari form of Takri (from Grierson 1916b: 401).

The Sirmauri Alphabet.

a	3	da	ε
ā	3)	dha	εs
i, ī & ē	6 or 5	na	7
u & ū	3	pa	5
ē	3 or 5	pha	εh
ai	3)	ba	9
ō & ō	3)	bha	9
au	3)	ma	7
ka	x	ya	x
kha	h	ra	7
ga	u	la	3
gha	ε	wa	9
cha	h	śa	9
chha	8	sha	h
ja	7	sa	9
jha	7	ha	ε
ṭa	ε	kā	x
ṭha	6	ki, kī	x
ḍa	5	ku, kū	x
ḍha	u	ke, kē	x
ṇa	7	kai	x
ta	7	ko, kō	x
tha	ε	kau	x

Figure 29: Chart of the Sirmauri form of Takri (from Grierson 1916b: 459).

Kochi Alphabet.

a	अ	da	द
ā	आ, उ, ऊ:	dha	ध
i, ī	इ	na	न
u, ū	उ	pa	प
ē	ऐ, ए	pha	फ
ai	ई	ba	ब
ō	ऊ, औ	bha	भ
au	ऊँ	ma	म
ka	क	mha	म्ह
kha	ख, ग	ya	य
ga	ग	ra	र
gha	घ	la	ल
oha	स	va	व, उ
chha	छ	śa, sha, sa	स
ja	ज	ha	ह
jha	झ	kā	झ, ङ:
ṭa	ट	ki, ki	की
ḥa		ku, kū	कु
ḍa	ड़, ङ	kē	के, ङै
ḍha		kai	कै
ṣa	ष, म	kō	को
ta	त	kau	कौ
tha	थ		

Figure 31: Chart of the Mahasa (Kochi dialect) form of Takri (from Grierson 1916b: 614).

WESTERN PAHARI (KIÜTHALI)

KÖCHI DIALECT.

STATE BASHAH.

IN KÖCHI CHARACTERS.

- ऐली भनिमेरे कुल केरु से गोपके केरुदे वी मे वीमे ह वी
 से उरे भारो उ उरु वीके मुगो केरु से उके उके छपले
 भारो कुल वीमे वीकेदे दीले ! उके उके कुमे पके हके केरु
 छपले वीके पकेके भरमेसके गो नरे उके उके छपले मेरे
 5. भारो देरुके के वेले ! रेके उके मेरे छपले मेरे भारो वेरु के मेरे
 मुगे उके उके मुगके के हके पके उके से नकेरे कुल !
 उके मेरे ऐली सीमीदेरु नंसी रउरु नंसी उके से छपले
 वीके के मुगके वीके के हके ! उके मे मुगके के वीके उके मेरे
 हके हके छपले मेके कुल वीके ! उके के के के
 10. ऐली सीके उमेगे उके उमेरे छपले वीके वीगके उमेके
 केरुके केरे से उके के कुल वीके के रेदी मेली वीमेवी
 उके के कुल मुग ! उके छपले सीके के मुमे
 के छपले वीके वीके केरे उके उके मे वीके से नके पके-
 मेरे के के सीके उके के मेरे वीके ऐली हके उके उके केरु
 15. वीके केरे के रेरे कुल छपले ऐली वीगके केरे के कुल के

Figure 32: Specimen of the Mahasa (Kochi dialect) form of Takri (from Grierson 1916b: 618).

The Kulvi Alphabet.

When letters are separated by a comma, the letter or letters before the comma are used in Upper Kulu, and those after the comma in Lower Kulu and Sirāj.

Vowels.		Consonants.					
				ṭha	ṭ, ṭ	ba	ḍ, ṃ
a	ṛ, ṛ	ka	ṛ	ḍa	ṛ, ṛ	bha	ṛ, ṛ
ā	ṛ, ṛ	kha	ṛ	dha	ṛ	ma	ṛ, ṛ
kā	ṛ	ga	ṛ	pa	ṛ, ṛ	ya	ṛ(ṛ)
i	ṛ	gha	ṛ	ta	ṛ	ra	ṛ
ī	ṛ	cha	ṛ, ṛ	tha	ṛ ^{or} ṛ, ṛ	la	ṛ
ki, kī	ṛ	chha	ṛ ^{or}	da	ṛ	(va)	(ṛ)
u, ū	ṛ	ja	ṛ, ṛ	dha	ṛ, ṛ	śa, śa	ṛ, ṛ
ku, kū	ṛ	jha	ṛ, ṛ	na	ṛ, ṛ	ha	ṛ, ṛ
ē, ai	ṛ, ṛ	ṇa	ṛ	pa	ṛ	phu	ṛ
kē, kai	ṛ	ṭa	ṛ	pha	ṛ, ṛ	tra	ṛ
ō, au	ṛ						
ko, kau	ṛ						

Ya is usually indicated by initial ṛ, and wa by initial ṛ. Thus ṛṛ ṛā, ṛṛ ṛā.

Figure 33: Chart of the Kulvi ('Kului') form of Takri (from Grierson 1916b: 671).

WESTERN PAHARĪ (KULŪĪ).

ॐ नमो भगवते वासुदेवाय
 गङ्गा नदी इत्येकं देवैः पूज्यं यत्
 शिवदेवैः पूज्यं यत् तस्मै नमः
 शिवे नमः ॥ १ ॥
 ५. एतन्मन्त्रं शिवदेवाय नमः
 ॥ १ ॥
 ॥ १ ॥
 ॥ १ ॥
 ॥ १ ॥
 ॥ १ ॥
 ॥ १ ॥

Figure 34: Specimen of the Kulvi ('Kului') form of Takri (from Grierson 1916b: 680).

KANARESE

445

Kanarese characters

ದರೂ ಸಾಕ್ಷಿ ಕೊಡುವದು ಅವಶ್ಯವಿರಲಿಲ್ಲ; ಯಾ
ಕಂದರೆ ಅವನು ಮನುಷ್ಯನೊಳಗೆ ಇರುವದನ್ನು
ಅರಿತನು.

೩ ಸಂಧಿ

- ೧ ಫರಿಸಾಯರಲ್ಲಿ ಯೆಹೂದ್ಯರ ಅಭಿಪ್ರಾಯದ ನಿ
೨ ಕೊದೇಮನೆಂಬ ಒಬ್ಬ ಮನುಷ್ಯನಿದ್ದನು. ಇವನು
ರಾತ್ರಿಯಲ್ಲಿ ಯೇಸುವನ ಬಳಿಗೆ ಬಂದು, ಅವನಿಗೆ,
ರಬ್ಬಿಯೇ, ನೀನು ದೇವರ ಬಲಿಯೆಂದ ಬಂದ ಬೋ
ಧಕನೆಂದು, ಬಲ್ಲಿವು; ಹಾಗಾದರೆ ದೇವರು ಅವನ
ಸಂಗಡ ಇಲ್ಲದಿದ್ದರೆ, ಯಾವನೂ ನೀನು ಮಾಡು
ವ ಈ ಲಕ್ಷಣಗಳನ್ನು ಮಾಡಲಾರನು, ಅಂದನು.
೩ ಯೇಸು ಅವನಿಗೆ ಪ್ರತ್ಯುತ್ತರವಾಗಿ, ನಿತ್ಯಯವಾಗಿ
ನಿತ್ಯಯವಾಗಿ ನಿನಗೆ ಹೇಳುತ್ತೇನೆ, ಒಬ್ಬನು ಮೇಲಿ
ನಿಂದ ಹುಟ್ಟಿದಿದ್ದರೆ, ದೇವರ ರಾಜ್ಯವನ್ನು ನೋಡ
೪ ರಾರನು, ಅಂದನು. ನಿಕೊದೇಮನು ಅವನಿಗೆ,
ಮುಡುಕನಾದ ಮನುಷ್ಯನು ಹುಟ್ಟುವದು ಹಾಗೆ?
ಅವನ ತಾಯಿಯ ಗರ್ಭದಲ್ಲಿ ತಿರಿಗಿ ಪ್ರವೇಶಿಸಿ,
೫ ಹುಟ್ಟುವದು ಅದೀತೋ? ಅಂದನು. ಯೇಸು ಪ್ರ

ದಲ್ಲಿರುವ, ಮನುಷ್ಯನ ಮಗನೇ ಹೊತು, ಯಾ
ವನೂ ಪರಲೋಕಕ್ಕೆ ಏರಿ ಹೋಗಲಿಲ್ಲ.

ಇದಲ್ಲದೆ ಮೊತೆಯು ಅರಣ್ಯದಲ್ಲಿ ಹ್ಯಾಗೆ ಸ
ರ್ಪವನ್ನು ಎತ್ತಿದನೋ, ಹಾಗೆಯೇ ಮನುಷ್ಯನ
ಮಗನು, ಅವನಲ್ಲಿ ವಿಶ್ವಾಸವಿಡುವವರೆಲ್ಲರು ನಾ
ತವಾಗದೆ, ನಿತ್ಯಜೀವವನ್ನು ಹೊಂದುವ ಹಾಗೆ,
ಎತ್ತಲ್ಪಡ ಬೇಕು.

ಯಾಕಂದರೆ ಅವನಲ್ಲಿ ವಿಶ್ವಾಸವಿಡುವವರೆಲ್ಲರು
ನಾತವಾಗದೆ, ನಿತ್ಯಜೀವವನ್ನು ಹೊಂದುವ ಬಗ್ಗೆ,
ದೇವರು ಒಬ್ಬನಾಗಿ ಹುಟ್ಟಿದ ತನ್ನ ಮಗನನ್ನು
ಕೊಡುವ ಹಾಗೆ, ಲೋಕವನ್ನು ಆಪ್ತುಪ್ರೀತಿ ಮಾಡಿ
ದನು. ಯಾಕಂದರೆ ಲೋಕಕ್ಕೆ ಆಜ್ಞೆನಿರ್ಣಯ
ಸುವದಕ್ಕಲ್ಲ, ಲೋಕವು ಅವನಿಂದ ರಕ್ಷಿಸಲ್ಪಡುವ
ಹಾಗೆ, ದೇವರು ತನ್ನ ಮಗನನ್ನು ಲೋಕಕ್ಕೆ ಕಳು
ಹಿಸಿದನು.

ಅವನಲ್ಲಿ ವಿಶ್ವಾಸಿಸುವವನಿಗೆ ಆಜ್ಞೆನಿರ್ಣಯವಿ
ಲ್ಲ. ಆದರೆ ವಿಶ್ವಾಸಿಸುವವನಿಗೆ, ದೇವರ ಒಬ್ಬನಾಗಿ
ಹುಟ್ಟಿದ ಮಗನ ಹೆಸರಿನಲ್ಲಿ ವಿಶ್ವಾಸಿಸದ ಕಾರಣ,
ಈಗಲೇ ಆಜ್ಞೆನಿರ್ಣಯವಾಯಿತು. ಆಜ್ಞೆನಿರ್ಣಯ
Jn. 2.25-Jn. 3, 4, 13-18; 1884

Spoken by about 10,000,000 people in Mysore and adjacent parts of
southern India.

First publication, St. Matthew's, St. Mark's, and St. Luke's Gospels
in 1812; tr. by John Hands. Gospels and Acts, Madras, BFBS, 1820;
Ephesians and Philipians, 1822(?).

New Testament, 1823, Serampore; tr. by the Serampore Missionaries
(See No. 87). Hands version, BFBS, at Bellary, 1830, supervised by
William Reeve, LMS. Bible, BFBS, Bellary, 1831; tr. by Mr.
Hands and Mr. Reeve. Other versions of note: Hands version revised,

1837, by Mr. Hands and John Reid. Revised Version: New Testa-
ment, BFBS, Bangalore, 1850; by a committee of which G. H. Weigle
Basel Missionary Society, was the most active. Re-revised, 1854; Old
Testament, 1865.

New version: St. Matthew, BFBS, Mangalore, 1893; New Testa-
ment, 1901; Bible, Bangalore, 1934 ('35), by a committee of mission-
aries of the LMS, Basel MS, and the Wesleyan Methodist Missionary So-
ciety.

CP: BFBS.

KANARESE: Badaga dialect 446

Kanarese characters

ವಿಕಾಂದಲೆ, ದೇವರ ಚಿತ್ತದ ಪರಕಾರ ನಡೆವವಂ ಎಯ
ವಂನೋ ಅವನೇ ಎನಗೆ ಅಣ್ಣ ತಮ್ಮನೂ ಅಕ್ಕ ತಂಗಿಯೂ, ಅವ್ವೆ
ಯೂ ಆಗಿದ್ದನೆಂ ಎನ್ನಂ.

Mk. 3:35

Tamil characters

ಎಕಾಂತ್‌ಲೊ, ದೇವರ ಚಿತ್ತಕ್ಕೆ ಪ್ರಕಾರ ನಡೆವವಂ ಎಯವೋ
ಅವನೇ ಎನಗೆ ಅಣ್ಣ ತಮ್ಮನೂ ಅಕ್ಕ ತಂಗಿಯೂ, ಅವ್ವೆ
ಯೂ ಆಗಿದ್ದನೆಂ ಎನ್ನಂ.

Mk. 3:35

Spoken by some 35,000 people in the Nilgiri Hills, South India.
First publication, St. Luke's Gospel in 1825 at Mangalore by the
Basel Missionary Society; tr. by George Casamajor, of the Madras Civil
Service, and C. Maerike, BMS. St. Luke's Gospel, BFBS, Mangalore,
1890; revised by C. W. Lütze and others: St. Mark's Gospel, 1896; tr.
by W. Sikemeier; reprinted in Tamil characters, 1897; Jonah, 1902, in
Kanarese and Tamil characters; tr. by J. Kanaka, a native pastor.
CP: BFBS.

KANAUURI

447

Devanagari characters

कूदे हतेअड ईश्वरु मोनकु मापक युगतो । होदोई अड
बया अड रिहस अड अमा नीओ ॥

Mk. 3:35

Tankri characters

कूदे हतेअड ईश्वरु मोनकु मापक युगतो । होदोई अड
बया अड रिहस अड अमा नीओ ॥

Spoken in the Bashahr State, northwest India, on the borders of Tibet.

First publication, St. Mark's Gospel in 1909 at Allahabad by the
BFBS; tr. by the Rev. and Mrs. J. T. Bruske of the Moravian Mission.
St. John's Gospel in Tankri characters, BFBS, 1917; tr. by Ensign F.
Mortimer, of the Salvation Army.

Figure 35: Entry for the Kinnauri ('Kanauri') language in *The Book of a Thousand Tongues* showing a specimen of a bible printed in Takri type (from American Bible Society 1938: 188).

Mandēāli Alphabet

Vowels.		Consonants.					
a	𑖀	ka	𑖁	da	𑖂	ha	𑖃
ā	𑖄 𑖅	kha	𑖆 𑖇	dha	𑖈	hta	𑖉
kā	𑖊 𑖋	ga	𑖌	na	𑖍	pha	𑖎
i	𑖏	gha	𑖐	pa	𑖑	nha	𑖒
ki	𑖓	cha	𑖔	pha	𑖕	jya	𑖖
ī	𑖗 𑖘	chha	𑖙	ba	𑖚	dhya	𑖛
hi	𑖜	ja	𑖝	bha	𑖞	nhya	𑖟
u, ū	𑖠	jha	𑖡	ma	𑖢	tra	𑖣
ku, kū	𑖤	fa	𑖥	ya	𑖦	pra	𑖧
ē	𑖨	sha	𑖩	ra	𑖪 𑖫	raṣ	𑖬
hē	𑖭	ḍa	𑖮	la	𑖯	kḥwa	𑖰
ai	𑖲	ḍha	𑖳	va	𑖴	gwa	𑖵
kai	𑖷	pa	𑖸	ṣa, ṣha, sa.	𑖹	dwa	𑖺
ō, au	𑖽 𑖿 𑗀	ta	𑗁	ka	𑗂	rwa	𑗃
kō, kau	𑗄	tha	𑗅	ṣa	𑗆		

NOTE.—The letter ṣa is represented by the sign for gō, and an initial ṣ is also optionally represented by the same character. The letters pa and ma are usually written with *anuvāda* over the preceding syllable.

Figure 36: Chart of the Mandeali form of Takri (from Grierson 1916b: 719).

WESTERN PAHĀRĪ (MANDĤĀLĪ).

SPECIMEN I.

	ਏਕੀ	ਮੰਨਖੇ	ਰੇ	ਸੁਭ	ਗੰਠਰ	ਬੇ	ਮਠੇ
	ਗੰਠਰ	ਏ	ਸ਼ੰਪਲੇ	ਥੰ	ਸੰਭੰਗੀ	ਧੰ	
	ਏ	ਸੁੰਏ	ਮਾਟਿਫਟੇ	ਗੀ	ਧੰਠ	ਏ	
	ਸੰਭੰਗੀ	ਠੰਮ	ਸੰਭ	ਦੇ	ਠੰ	ਤੰਮਰੇ	ਥੰ
5.	ਤੰਮਰੀ	ਧੰਠ	ਮਾਟਿਫਟੇ	ਗੀ	ਤੰਮਏ	ਦੇਭ	
	ਦੀਠੀ	ਸੁੰਏ	ਸੰਧ	ਗੀ	ਧੰਠ	ਤੀਠੀ	
	ਮਠੇ	ਗੰਠਰ	ਏ	ਮਾਟਿਫਟੇ	ਸਭ	ਫਠ	
	ਫੁਰੀ	ਫੇ	ਥੰ	ਸੁਭੰ	ਸੰਮਥੰ	ਏ	
	ਸਾਧੰ	ਗਥੰ	ਤੰਧੀ	ਮਾਸਪੰਥੰ	ਮੰਠ	ਸਭ	
10.	ਮਾਟਿਫਟੇ	ਧੰਭ	ਦੀਠ	ਏਏ	ਤੀਠੀ	ਸਭ	

Figure 37: Specimen of the Mandeali form of Takri (from Grierson 1916b: 730).

Kashtawāri Alphabet.

a, ā	म	ka	२	ta	३
i, ī, ē	८	kha	४९	tha	४
u, ū, ō, au	८	ga	१	da	२
ai	म८	gha	७	dha	२३
an	.....	cha	४	na	१
ka	२	chha	३	pa	७
kā	२म २१	ja	३	pha	४
ki, ki	२१	za	३१	ba	४
ku	२	jha		bha	५
kū	२६	ṭ	१	ma	१
kō	२	ṭha	०	ya	१
kau	२६	ḍa	३	ra	२
karā	२	ṛa	३	la	७
		ḍha	२	va	४
		ṛha	३३	sha	३
		ṣa	=	sa	१
		ṣa		ka	३

Figure 38: Chart of Kishtwari form of Takri (from Grierson 1919: 344).

The Śāradā and Kaśṭawārī Alphabets.

Roman.	Śāradā.	Kaśṭawārī.	Roman.	Śāradā.	Kaśṭawārī.	Roman.	Śāradā.	Kaśṭawārī.
a	अ	𑖀	ka	क	𑖅	da	द	𑖇
ā	आ	𑖁	kha	ख	𑖆	dha	ढ	𑖈
i	इ	𑖃	ga	ग	𑖄	na	न	𑖆
ī	ई	𑖄	gha	घ	𑖇	pa	प	𑖆
u	उ	𑖅	ṇa	ण		pha	फ	𑖇
ū	ऊ	𑖆	cha	च	𑖅	ba	ब	𑖅
ri	रि		chha	छ	𑖆	bha	भ	𑖇
ri	रि		ja	ज	𑖇	ma	म	𑖆
l	ल		jha	झ		ya	य	𑖆
li	लि		ṇa	ण		ra	र	𑖅
e	ए	𑖅	ṭa	ट		la	ल	𑖆
ai	ऐ	𑖇	tha	ठ	𑖅	va	व	𑖇
ō	ओ	𑖆	ḍa	ड	𑖇	ḍa	ड	
au	औ	𑖆	ḍha	ढ	𑖈	sha	ष	𑖇
m	म	.....	ṇa	ण	𑖇	sa	स	𑖆
~	~		ta	त	𑖅	ha	ह	𑖇
ḥ	ः		tha	थ	𑖆	ḥ	का	

Figure 40: Comparison of Sharada and Kishtwari (from Grierson 1919: 255).

(STATE CHAMBA.)

[illegible]

50

PLATE XXV.

A.—CHAMBA PLATE OF BALABHADRA; V. S. 1692.

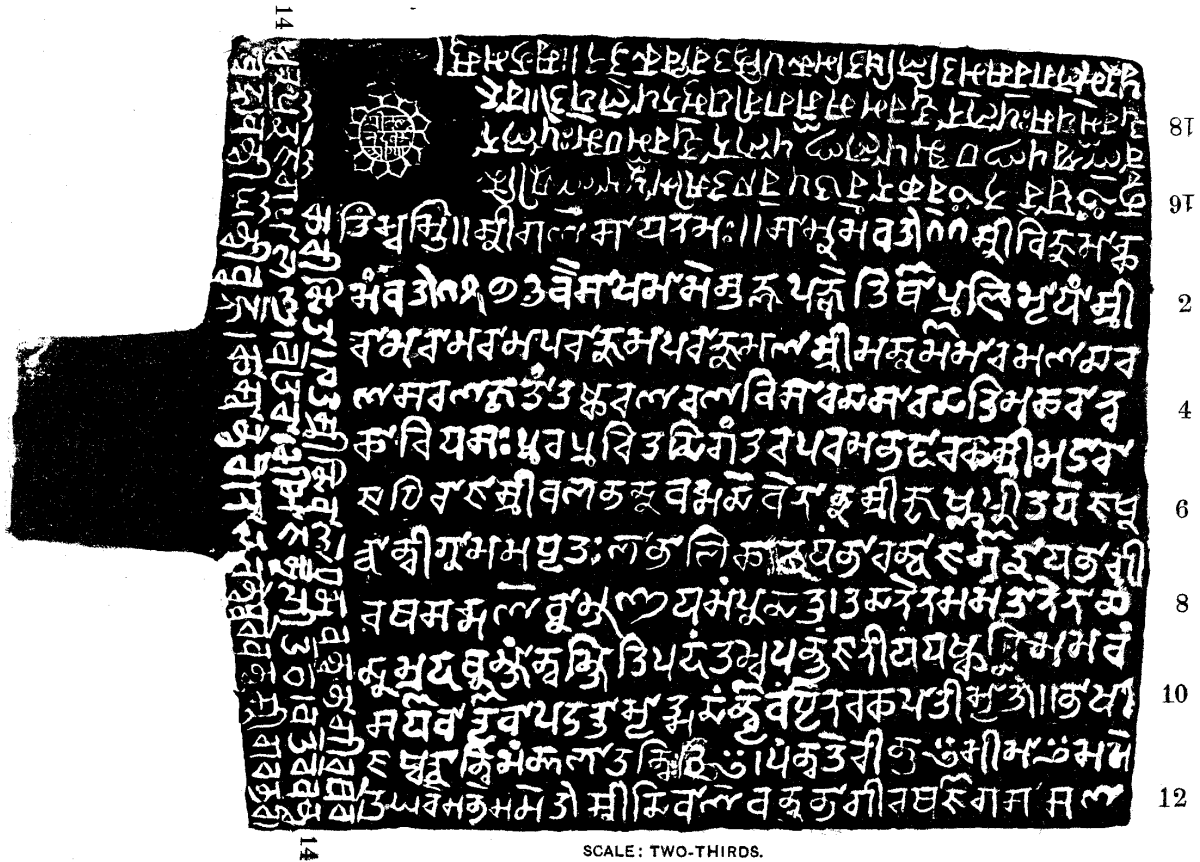


Figure 43: A copper plate from Chamba containing text in Sanskrit and Chambeali written in the Devāṣeṣa ancestor of Takri. The plate is a document attesting a grant of land by the king Balabhadra Varman to the brahmin Bhāgīrathasārman (from Chhabra 1957: 127–129; Plate XXV: Chamba Plate of Balabhadra; vikram samvat 1692 (1635 CE). Copper plate $7\frac{3}{8}'' \times 8\frac{3}{4}''$, excluding left handle. 19 lines).

Plate LXXVII.

लिपिपत्र ७७वां.

वर्तमान शारदा (कश्मीरी), टाकरी और गुरमुखी (पंजाबी) लिपियां.

शारदा (कश्मीरी) लिपि.

अ आ इ ई उ ऊ ऋ ॠ ए ऐ ओ औ अं अः क ख ग
 घ ङ च छ ज झ ञ ट ठ ड ढ ण त थ द ध न प
 भ फ म ऋ ए ण ग ङ उ ऋ ॠ उ ष ऋ ए न प
 फ व भ म य र ल व श ष स ह का कि की कु कू
 के कै को कौ कं कः १ २ ३ ४ ५ ६ ७ ८ ९ ०
 के कै को कौ कं कः ० ३ ३ २ ५ ७ १ ५ ७ ०

टाकरी लिपि.

अ आ इ ई उ ऊ ऋ ॠ ए ऐ ओ औ अं अः क ख ग घ ङ च
 छ ज झ ञ ट ठ ड ढ ण त थ द ध न प फ व भ
 म य र ल व श ष स ह का कि की कु कू के कै
 को कौ कं कः १ २ ३ ४ ५ ६ ७ ८ ९ ०
 के कै को कौ कं कः ० ३ ३ २ ५ ७ १ ५ ७ ०

गुरमुखी (पंजाबी) लिपि.

अ आ इ ई उ ऊ ऋ ॠ ए ऐ ओ औ अं अः क ख ग घ
 ङ च छ ज झ ञ ट ठ ड ढ ण त थ द ध न प
 भ फ म ऋ ए ण ग ङ उ ऋ ॠ उ ष ऋ ए न प
 फ व भ म य र ल व श ष स ह ख ग ज फ का
 कि की कु कू के कै को कौ कं कः १ २ ३ ४ ५ ६ ७ ८ ९ ०
 कि की कु कू के कै को कौ कं कः १ २ ३ ४ ५ ६ ७ ८ ९ ०

Figure 44: Comparison of Sharada, Takri, and Gurmukhi (from Ojhā 1971: Plate LXXVII).

Lautwert	Śāradā 804	Kasch- mirī	Ṭākri		Laṇḍā		Multani	Gur- mukhi
			Jaun- sari	Cha- meāli	Khu- dāwādi	Sindhī- Schrift		
a	अ	अ	३	अ	अ	अ	अ	ਅ
i	इ	इ	४	इ	इ	इ	इ	ਇ
u	उ	उ	५	उ	उ	उ	उ	ਉ
e		ए		२	२	२		ਏ
o		ओ	३	३	३	३		ਓ
ā	आ	आ	३'	अ'	३'	३'		ਆ
ka	क	क	४	ख	क	क		ਕ
kha	ख	ख	५	ख	५	५		ਖ
ga	ग	ग	५	ग	५	५		ਗ
gha	घ	घ	५'	५'	५'	५'		ਘ
na	न	न	५'	५'	५'	५'		ਨ
ṣa	ष	ष	५'	५'	५'	५'		਷
cha	च	च	५'	५'	५'	५'		ਚ
ṣha	छ	छ	५'	५'	५'	५'		ਛ
ḡa	ग	ग	५'	५'	५'	५'		ਗ
ḡha	घ	घ	५'	५'	५'	५'		ਘ
ṇa	ण	ण	५'	५'	५'	५'		ਣ
ṭa	ट	ट	५'	५'	५'	५'		ਟ
ṭha	ठ	ठ	५'	५'	५'	५'		ਠ
ḍa	ड	ड	५'	५'	५'	५'		ਡ
ḍha	ढ	ढ	५'	५'	५'	५'		ਢ
na	न	न	५'	५'	५'	५'		ਨ
ta	त	त	५'	५'	५'	५'		ਤ
tha	थ	थ	५'	५'	५'	५'		ਥ
da	द	द	५'	५'	५'	५'		ਦ
dha	ढ	ढ	५'	५'	५'	५'		ਢ
na	न	न	५'	५'	५'	५'		ਨ
pa	प	प	५'	५'	५'	५'		ਪ
pha	फ	फ	५'	५'	५'	५'		ਫ
ba	ब	ब	५'	५'	५'	५'		ਬ
bha	भ	भ	५'	५'	५'	५'		ਭ
ma	म	म	५'	५'	५'	५'		ਮ
ya	य	य	५'	५'	५'	५'		ਯ
ra	र	र	५'	५'	५'	५'		ਰ
la	ल	ल	५'	५'	५'	५'		ਲ
va	व	व	५'	५'	५'	५'		ਵ
śa	श	श	५'	५'	५'	५'		ਸ਼
ṣa	ष	ष	५'	५'	५'	५'		਷
sa	स	स	५'	५'	५'	५'		ਸ
ha	ह	ह	५'	५'	५'	५'		ਹ

Figure 45: Comparison of Takri with Sharada and related scripts (from Jensen 1969: 366).

Gurmukhī.	Landā.	Tākri.	Śāradā.	Gurmukhī.	Landā.	Tākri.	Śāradā.	Gurmukhī.	Landā.	Tākri.	Śāradā.	Gurmukhī.	Landā.	Tākri.	Śāradā.
ਅ	ਅ	ਅ	ਸ (a)	ਘਾ.	ਘ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ
ੲ	ੲ	ੲ	ਓ (i)	ਘਾ.	ਘ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ
ਭ	ਭ	ਭ	ਓ (e)	ਘਾ.	ਘ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ
ਭ	ਭ	ਭ	ਓ (o)	ਘਾ.	ਘ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ
ਸ	ਸ	ਸ	ਸ	ਘਾ.	ਘ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ
ੲ	ੲ	ੲ	ਸ	ਘਾ.	ਘ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ
ਕ	ਕ	ਕ	ਕ	ਘਾ.	ਘ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ
ਖ	ਖ	ਖ	ਖ	ਘਾ.	ਘ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ
ਗ	ਗ	ਗ	ਗ	ਘਾ.	ਘ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ	ਭ	ਭ	ਭ	ਘ

Figure 46: Comparison of Gurmukhī, Landā, Takri, and Sharada letters (from Grierson 1904: 72–73).

Gurmukhi.	Lanḍā.	Takri.	Śarada.		Gurmukhi.	Lanḍā.	Takri.	Śarada.	
ਮ	ṃ	𑪞	𑪟	‘āiṛā’	ੜ	ṛ	ṛ	𑪠	ḍa
ਏ	ṛ	𑪡	𑪢	‘īṛī’	ਏ	ṛ	ṛ	𑪣	ḍha
ਓ	ṛ	𑪤	𑪥	‘ūrā’	ਓ	ṛ	ṛ	𑪦	ṇa
ਓ	ṛ	𑪧	𑪨	ō	ੜ	ṛ	ṛ	𑪩	ṭa
ਸ	ṛ	𑪪	𑪫	sa	ਬ	ṛ	ṛ	𑪬	ṭha
ਤ	ṛ	ṛ	ṛ	ḥa	ਦ	ṛ	ṛ	𑪭	ḍa
ਕ	ṛ	𑪮	𑪯	ka	ਪ	ṛ	ṛ	𑪰	ḍha
ਖ	ṛ	𑪲	𑪳	kha	ਨ	ṛ	ṛ	𑪴	ṇa
ਗ	ṛ	𑪶	𑪷	ga	ਪ	ṛ	ṛ	𑪸	pa
ਘ	ṛ	ṛ	ṛ	gha	ਫ	ṛ	ṛ	𑪹	pha
ਙ	ṛ	ṛ	ṛ	ṇa	ਬ	ṛ	ṛ	𑪺	ba
ਚ	ṛ	ṛ	ṛ	cha	ਤ	ṛ	ṛ	𑪻	bha
ਛ	ṛ	ṛ	ṛ	chha	ਮ	ṛ	ṛ	𑪼	ma
ਜ	ṛ	ṛ	ṛ	ja	ਯ	ṛ	ṛ	𑪽	ya
ਝ	ṛ	ṛ	ṛ	jha	ਰ	ṛ	ṛ	𑪾	ra
ੜ	ṛ	ṛ	ṛ	ṛ	ਲ	ṛ	ṛ	𑪿	la
ੜ	ṛ	ṛ	ṛ	ṛ	ਵ	ṛ	ṛ	𑫀	va
ੜ	ṛ	ṛ	ṛ	ṛ	ਰ	ṛ	ṛ	𑫁	ra

Figure 47: Comparison of Gurmukhi, Landa, Takri, and Sharada letters (from Grierson 1916a: 625).

[illegible]

Figure 48: Comparison of Takri with other Indic scripts (from Mule 1974: 160–162).

Devanagari	Grantha	Kaithi	Malihini	Tulu	Sarada	Takari	Gurumukhi
अ	𑀅	𑀅	𑀅	𑀅	𑀅	𑀅	𑀅
आ	𑀆	𑀆	𑀆	𑀆	𑀆	𑀆	𑀆
इ	𑀇	𑀇	𑀇	𑀇	𑀇	𑀇	𑀇
ई	𑀈	𑀈	𑀈	𑀈	𑀈	𑀈	𑀈
उ	𑀉	𑀉	𑀉	𑀉	𑀉	𑀉	𑀉
ऊ	𑀊	𑀊	𑀊	𑀊	𑀊	𑀊	𑀊
ऋ	𑀋	𑀋	𑀋	𑀋	𑀋	𑀋	𑀋
ॠ	𑀌	𑀌	𑀌	𑀌	𑀌	𑀌	𑀌
ऌ	𑀍	𑀍	𑀍	𑀍	𑀍	𑀍	𑀍
ॡ	𑀎	𑀎	𑀎	𑀎	𑀎	𑀎	𑀎
अ	𑀏	𑀏	𑀏	𑀏	𑀏	𑀏	𑀏
आ	𑀐	𑀐	𑀐	𑀐	𑀐	𑀐	𑀐
इ	𑀑	𑀑	𑀑	𑀑	𑀑	𑀑	𑀑
ई	𑀒	𑀒	𑀒	𑀒	𑀒	𑀒	𑀒
उ	𑀓	𑀓	𑀓	𑀓	𑀓	𑀓	𑀓
ऊ	𑀔	𑀔	𑀔	𑀔	𑀔	𑀔	𑀔
ऋ	𑀕	𑀕	𑀕	𑀕	𑀕	𑀕	𑀕
ॠ	𑀖	𑀖	𑀖	𑀖	𑀖	𑀖	𑀖
ऌ	𑀗	𑀗	𑀗	𑀗	𑀗	𑀗	𑀗
ॡ	𑀘	𑀘	𑀘	𑀘	𑀘	𑀘	𑀘
अ	𑀙	𑀙	𑀙	𑀙	𑀙	𑀙	𑀙
आ	𑀚	𑀚	𑀚	𑀚	𑀚	𑀚	𑀚
इ	𑀛	𑀛	𑀛	𑀛	𑀛	𑀛	𑀛
ई	𑀜	𑀜	𑀜	𑀜	𑀜	𑀜	𑀜
उ	𑀝	𑀝	𑀝	𑀝	𑀝	𑀝	𑀝
ऊ	𑀞	𑀞	𑀞	𑀞	𑀞	𑀞	𑀞
ऋ	𑀟	𑀟	𑀟	𑀟	𑀟	𑀟	𑀟
ॠ	𑀠	𑀠	𑀠	𑀠	𑀠	𑀠	𑀠
ऌ	𑀡	𑀡	𑀡	𑀡	𑀡	𑀡	𑀡
ॡ	𑀢	𑀢	𑀢	𑀢	𑀢	𑀢	𑀢
अ	𑀣	𑀣	𑀣	𑀣	𑀣	𑀣	𑀣
आ	𑀤	𑀤	𑀤	𑀤	𑀤	𑀤	𑀤
इ	𑀥	𑀥	𑀥	𑀥	𑀥	𑀥	𑀥
ई	𑀦	𑀦	𑀦	𑀦	𑀦	𑀦	𑀦
उ	𑀧	𑀧	𑀧	𑀧	𑀧	𑀧	𑀧
ऊ	𑀨	𑀨	𑀨	𑀨	𑀨	𑀨	𑀨
ऋ	𑀩	𑀩	𑀩	𑀩	𑀩	𑀩	𑀩
ॠ	𑀪	𑀪	𑀪	𑀪	𑀪	𑀪	𑀪
ऌ	𑀫	𑀫	𑀫	𑀫	𑀫	𑀫	𑀫
ॡ	𑀬	𑀬	𑀬	𑀬	𑀬	𑀬	𑀬
अ	𑀭	𑀭	𑀭	𑀭	𑀭	𑀭	𑀭
आ	𑀮	𑀮	𑀮	𑀮	𑀮	𑀮	𑀮
इ	𑀯	𑀯	𑀯	𑀯	𑀯	𑀯	𑀯
ई	𑀰	𑀰	𑀰	𑀰	𑀰	𑀰	𑀰
उ	𑀱	𑀱	𑀱	𑀱	𑀱	𑀱	𑀱
ऊ	𑀲	𑀲	𑀲	𑀲	𑀲	𑀲	𑀲
ऋ	𑀳	𑀳	𑀳	𑀳	𑀳	𑀳	𑀳
ॠ	𑀴	𑀴	𑀴	𑀴	𑀴	𑀴	𑀴
ऌ	𑀵	𑀵	𑀵	𑀵	𑀵	𑀵	𑀵
ॡ	𑀶	𑀶	𑀶	𑀶	𑀶	𑀶	𑀶
अ	𑀷	𑀷	𑀷	𑀷	𑀷	𑀷	𑀷
आ	𑀸	𑀸	𑀸	𑀸	𑀸	𑀸	𑀸
इ	𑀹	𑀹	𑀹	𑀹	𑀹	𑀹	𑀹
ई	𑀺	𑀺	𑀺	𑀺	𑀺	𑀺	𑀺
उ	𑀻	𑀻	𑀻	𑀻	𑀻	𑀻	𑀻
ऊ	𑀼	𑀼	𑀼	𑀼	𑀼	𑀼	𑀼
ऋ	𑀽	𑀽	𑀽	𑀽	𑀽	𑀽	𑀽
ॠ	𑀾	𑀾	𑀾	𑀾	𑀾	𑀾	𑀾
ऌ	𑀿	𑀿	𑀿	𑀿	𑀿	𑀿	𑀿
ॡ	𑁀	𑁀	𑁀	𑁀	𑁀	𑁀	𑁀
अ	𑁁	𑁁	𑁁	𑁁	𑁁	𑁁	𑁁
आ	𑁂	𑁂	𑁂	𑁂	𑁂	𑁂	𑁂
इ	𑁃	𑁃	𑁃	𑁃	𑁃	𑁃	𑁃
ई	𑁄	𑁄	𑁄	𑁄	𑁄	𑁄	𑁄
उ	𑁅	𑁅	𑁅	𑁅	𑁅	𑁅	𑁅
ऊ	𑁆	𑁆	𑁆	𑁆	𑁆	𑁆	𑁆
ऋ	𑁇	𑁇	𑁇	𑁇	𑁇	𑁇	𑁇
ॠ	𑁈	𑁈	𑁈	𑁈	𑁈	𑁈	𑁈
ऌ	𑁉	𑁉	𑁉	𑁉	𑁉	𑁉	𑁉
ॡ	𑁊	𑁊	𑁊	𑁊	𑁊	𑁊	𑁊
अ	𑁋	𑁋	𑁋	𑁋	𑁋	𑁋	𑁋
आ	𑁌	𑁌	𑁌	𑁌	𑁌	𑁌	𑁌
इ	𑁍	𑁍	𑁍	𑁍	𑁍	𑁍	𑁍
ई	𑁎	𑁎	𑁎	𑁎	𑁎	𑁎	𑁎
उ	𑁏	𑁏	𑁏	𑁏	𑁏	𑁏	𑁏
ऊ	𑁐	𑁐	𑁐	𑁐	𑁐	𑁐	𑁐
ऋ	𑁑	𑁑	𑁑	𑁑	𑁑	𑁑	𑁑
ॠ	𑁒	𑁒	𑁒	𑁒	𑁒	𑁒	𑁒
ऌ	𑁓	𑁓	𑁓	𑁓	𑁓	𑁓	𑁓
ॡ	𑁔	𑁔	𑁔	𑁔	𑁔	𑁔	𑁔
अ	𑁕	𑁕	𑁕	𑁕	𑁕	𑁕	𑁕
आ	𑁖	𑁖	𑁖	𑁖	𑁖	𑁖	𑁖
इ	𑁗	𑁗	𑁗	𑁗	𑁗	𑁗	𑁗
ई	𑁘	𑁘	𑁘	𑁘	𑁘	𑁘	𑁘
उ	𑁙	𑁙	𑁙	𑁙	𑁙	𑁙	𑁙
ऊ	𑁚	𑁚	𑁚	𑁚	𑁚	𑁚	𑁚
ऋ	𑁛	𑁛	𑁛	𑁛	𑁛	𑁛	𑁛
ॠ	𑁜	𑁜	𑁜	𑁜	𑁜	𑁜	𑁜
ऌ	𑁝	𑁝	𑁝	𑁝	𑁝	𑁝	𑁝
ॡ	𑁞	𑁞	𑁞	𑁞	𑁞	𑁞	𑁞
अ	𑁟	𑁟	𑁟	𑁟	𑁟	𑁟	𑁟
आ	𑁠	𑁠	𑁠	𑁠	𑁠	𑁠	𑁠
इ	𑁡	𑁡	𑁡	𑁡	𑁡	𑁡	𑁡
ई	𑁢	𑁢	𑁢	𑁢	𑁢	𑁢	𑁢
उ	𑁣	𑁣	𑁣	𑁣	𑁣	𑁣	𑁣
ऊ	𑁤	𑁤	𑁤	𑁤	𑁤	𑁤	𑁤
ऋ	𑁥	𑁥	𑁥	𑁥	𑁥	𑁥	𑁥
ॠ	𑁦	𑁦	𑁦	𑁦	𑁦	𑁦	𑁦
ऌ	𑁧	𑁧	𑁧	𑁧	𑁧	𑁧	𑁧
ॡ	𑁨	𑁨	𑁨	𑁨	𑁨	𑁨	𑁨
अ	𑁩	𑁩	𑁩	𑁩	𑁩	𑁩	𑁩
आ	𑁪	𑁪	𑁪	𑁪	𑁪	𑁪	𑁪
इ	𑁫	𑁫	𑁫	𑁫	𑁫	𑁫	𑁫
ई	𑁬	𑁬	𑁬	𑁬	𑁬	𑁬	𑁬
उ	𑁭	𑁭	𑁭	𑁭	𑁭	𑁭	𑁭
ऊ	𑁮	𑁮	𑁮	𑁮	𑁮	𑁮	𑁮
ऋ	𑁯	𑁯	𑁯	𑁯	𑁯	𑁯	𑁯
ॠ	𑁰	𑁰	𑁰	𑁰	𑁰	𑁰	𑁰
ऌ	𑁱	𑁱	𑁱	𑁱	𑁱	𑁱	𑁱
ॡ	𑁲	𑁲	𑁲	𑁲	𑁲	𑁲	𑁲
अ	𑁳	𑁳	𑁳	𑁳	𑁳	𑁳	𑁳
आ	𑁴	𑁴	𑁴	𑁴	𑁴	𑁴	𑁴
इ	𑁵	𑁵	𑁵	𑁵	𑁵	𑁵	𑁵
ई	𑁶	𑁶	𑁶	𑁶	𑁶	𑁶	𑁶
उ	𑁷	𑁷	𑁷	𑁷	𑁷	𑁷	𑁷
ऊ	𑁸	𑁸	𑁸	𑁸	𑁸	𑁸	𑁸
ऋ	𑁹	𑁹	𑁹	𑁹	𑁹	𑁹	𑁹
ॠ	𑁺	𑁺	𑁺	𑁺	𑁺	𑁺	𑁺
ऌ	𑁻	𑁻	𑁻	𑁻	𑁻	𑁻	𑁻
ॡ	𑁼	𑁼	𑁼	𑁼	𑁼	𑁼	𑁼
अ	𑁽	𑁽	𑁽	𑁽	𑁽	𑁽	𑁽
आ	𑁾	𑁾	𑁾	𑁾	𑁾	𑁾	𑁾
इ	𑁿	𑁿	𑁿	𑁿	𑁿	𑁿	𑁿
ई	𑂀	𑂀	𑂀	𑂀	𑂀	𑂀	𑂀
उ	𑂁	𑂁	𑂁	𑂁	𑂁	𑂁	𑂁
ऊ	𑂂	𑂂	𑂂	𑂂	𑂂	𑂂	𑂂
ऋ	𑂃	𑂃	𑂃	𑂃	𑂃	𑂃	𑂃
ॠ	𑂄	𑂄	𑂄	𑂄	𑂄	𑂄	𑂄
ऌ	𑂅	𑂅	𑂅	𑂅	𑂅	𑂅	𑂅
ॡ	𑂆	𑂆	𑂆	𑂆	𑂆	𑂆	𑂆
अ	𑂇	𑂇	𑂇	𑂇	𑂇	𑂇	𑂇
आ	𑂈	𑂈	𑂈	𑂈	𑂈	𑂈	𑂈
इ	𑂉	𑂉	𑂉	𑂉	𑂉	𑂉	𑂉
ई	𑂊	𑂊	𑂊	𑂊	𑂊	𑂊	𑂊
उ	𑂋	𑂋	𑂋	𑂋	𑂋	𑂋	𑂋
ऊ	𑂌	𑂌	𑂌	𑂌	𑂌	𑂌	𑂌
ऋ	𑂍	𑂍	𑂍	𑂍	𑂍	𑂍	𑂍
ॠ	𑂎	𑂎	𑂎	𑂎	𑂎	𑂎	𑂎
ऌ	𑂏	𑂏	𑂏	𑂏	𑂏	𑂏	𑂏
ॡ	𑂐	𑂐	𑂐	𑂐	𑂐	𑂐	𑂐
अ	𑂑	𑂑	𑂑	𑂑	𑂑	𑂑	𑂑
आ	𑂒	𑂒	𑂒	𑂒	𑂒	𑂒	𑂒
इ	𑂓	𑂓	𑂓	𑂓	𑂓	𑂓	𑂓
ई	𑂔	𑂔	𑂔	𑂔	𑂔	𑂔	𑂔
उ	𑂕	𑂕	𑂕	𑂕	𑂕	𑂕	𑂕
ऊ	𑂖	𑂖	𑂖	𑂖	𑂖	𑂖	𑂖
ऋ	𑂗	𑂗	𑂗	𑂗	𑂗	𑂗	𑂗
ॠ	𑂘	𑂘	𑂘	𑂘	𑂘	𑂘	𑂘
ऌ	𑂙	𑂙	𑂙	𑂙	𑂙	𑂙	𑂙
ॡ	𑂚	𑂚	𑂚	𑂚	𑂚	𑂚	𑂚
अ	𑂛	𑂛	𑂛	𑂛	𑂛	𑂛	𑂛
आ	𑂜	𑂜	𑂜	𑂜	𑂜	𑂜	𑂜
इ	𑂝	𑂝	𑂝	𑂝	𑂝	𑂝	𑂝
ई	𑂞	𑂞	𑂞	𑂞	𑂞	𑂞	𑂞
उ	𑂟	𑂟	𑂟	𑂟	𑂟	𑂟	𑂟
ऊ	𑂠	𑂠	𑂠	𑂠	𑂠	𑂠	𑂠
ऋ	𑂡	𑂡	𑂡	𑂡	𑂡	𑂡	𑂡
ॠ	𑂢	𑂢	𑂢	𑂢	𑂢	𑂢	𑂢
ऌ	𑂣	𑂣	𑂣	𑂣	𑂣	𑂣	𑂣
ॡ	𑂤	𑂤	𑂤	𑂤	𑂤	𑂤	𑂤
अ	𑂥	𑂥	𑂥	𑂥	𑂥	𑂥	𑂥
आ	𑂦	𑂦	𑂦	𑂦	𑂦	𑂦	𑂦
इ	𑂧	𑂧	𑂧	𑂧	𑂧	𑂧	𑂧
ई	𑂨	𑂨	𑂨	𑂨	𑂨	𑂨	𑂨
उ	𑂩	𑂩	𑂩	𑂩	𑂩	𑂩	𑂩
ऊ	𑂪	𑂪	𑂪	𑂪	𑂪	𑂪	𑂪
ऋ	𑂫	𑂫	𑂫	𑂫	𑂫	𑂫	𑂫
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Figure 49: Comparison of Takri with other Indic scripts (from Naik 1971: Table 13).

ISO/IEC JTC 1/SC 2/WG 2
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646¹⁴

Please fill all the sections A, B and C below. Please read Principles and Procedures Document (P & P) from <http://www.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://www.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html>.
See also <http://www.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html> for latest Roadmaps.

A. Administrative

1. Title: **Proposal to Encode the Takri Script in ISO/IEC 10646**
2. Requester's name: **University of California, Berkeley Script Encoding Initiative (Universal Scripts Project); author: Anshuman Pandey (pandey@umich.edu)**
3. Requester type (Member Body/Liaison/Individual contribution): **Liaison contribution**
4. Submission date: **December 31, 2009**
5. Requester's reference (if applicable): **N/A**
6. Choose one of the following:
 - (a) This is a complete proposal: **No**
 - (b) or, More information will be provided later: **Yes**

B. Technical - General

1. Choose one of the following:
 - (a) This proposal is for a new script (set of characters): **Yes**
 - i. Proposed name of script: **Takri**
 - (b) The proposal is for addition of character(s) to an existing block: **No**
 - i. Name of the existing block: **N/A**
2. Number of characters in proposal: **66**
3. Proposed category: **C - Major extinct**
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. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard?: **Anshuman Pandey; True Type format**
 - (a) If available now, identify source(s) for the font and indicate the tools used: **The letters of the digitized Takri font are based on normalized forms of letters of Takri metal fonts and, in some cases, on written forms. The font was drawn by Anshuman Pandey with Metafont and converted to True Type with FontForge.**
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:
 - (a) 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 <http://www.unicode.org/Public/UNIDATA/UCD.html> and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard. **Character properties and numeric information are included.**

¹⁴ Form number: N3102-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)

C. Technical - Justification

1. Has this proposal for addition of character(s) been submitted before?: **No**
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**
 - (a) If Yes, with whom?: **N/A**
 - i. If Yes, available relevant documents: **N/A**
3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included? **No**
 - (a) Reference: **N/A**
4. The context of use for the proposed characters (type of use; common or rare): **Common**
 - (a) Reference: **Administrative records from Himachal Pradesh, Jammu, Kashmir, and Panjab; commercial and accounting records; letters and other correspondence; books printed during the 19th century.**
5. Are the proposed characters in current use by the user community?: **No. However, there are efforts to reinstate the script in the Jammu region, primarily for the Dogri language.**
 - (a) If Yes, where? Reference: **In India, the United States, and other localities.**
6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP?: **No**
 - (a) If Yes, is a rationale provided?: **N/A**
 - i. If Yes, reference: **N/A**
7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)? **Yes**
8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence? **No**
 - (a) If Yes, is a rationale for its inclusion provided?: **N/A**
 - i. If Yes, reference: **N/A**
9. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters? **No**
 - (a) If Yes, is a rationale provided?: **N/A**
 - i. If Yes, reference: **N/A**
10. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character? **Yes**
 - (a) If Yes, is a rationale for its inclusion provided? **Yes**
 - i. If Yes, reference: **See text of proposal**
11. Does the proposal include use of combining characters and/or use of composite sequences? **Yes**
 - (a) If Yes, is a rationale for such use provided? **Yes**
 - i. If Yes, reference: **See text of proposal**
 - (b) Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided? **N/A**
 - i. If Yes, reference: **N/A**
12. Does the proposal contain characters with any special properties such as control function or similar semantics? **Yes**
 - (a) If Yes, describe in detail (include attachment if necessary): **Virama**
13. Does the proposal contain any Ideographic compatibility character(s)? **No**
 - (a) If Yes, is the equivalent corresponding unified ideographic character(s) identified? **N/A**
 - i. If Yes, reference: **N/A**