

Title: Introducing the Kirat Rai Script
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1 Introduction

The purpose of this document is to bring to the attention of the Unicode Technical Committee (UTC) the Kirat Rai script. This script is used for writing Bantawa (ISO 639: bap), an eastern Kiranti language of the Sino-Tibetan family. Bantawa is spoken in Sikkim and Nepal by some 390,000 persons. It is related to the older Khambu Rai script, which is described briefly in N4018 L2/11-105. It appears to be a modification of the Khambu Rai script. The Kirat Rai script is maintained by the All-India Khambu Rai Society (AKRS).

The Kirat Rai script is an alphasyllabary based upon the Brahmi model. Consonants possess an inherent vowel. Vowels are written using a vowel-carrier letter and combining signs. There is a VIRAMA-like character. The script has decimal digits.

Research on the script is ongoing. This document provides a preliminary code chart, names list, and list of character properties. An allocation for Kirat Rai should be made in the roadmap to the Supplementary Multilingual Plane. A minimum of four columns is required for the script. Additional information will be provided as it is obtained.

2 Character Repertoire and Properties

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xx00;KIRAT RAI LETTER A;Lo;0;L;;;;N;;;;;
xx01;KIRAT RAI LETTER KA;Lo;0;L;;;;N;;;;;
xx02;KIRAT RAI LETTER KHA;Lo;0;L;;;;N;;;;;
xx03;KIRAT RAI LETTER GA;Lo;0;L;;;;N;;;;;
xx04;KIRAT RAI LETTER GHA;Lo;0;L;;;;N;;;;;
xx05;KIRAT RAI LETTER NGA;Lo;0;L;;;;N;;;;;
xx06;KIRAT RAI LETTER CA;Lo;0;L;;;;N;;;;;
xx07;KIRAT RAI LETTER CHA;Lo;0;L;;;;N;;;;;
xx08;KIRAT RAI LETTER JA;Lo;0;L;;;;N;;;;;
xx09;KIRAT RAI LETTER JHA;Lo;0;L;;;;N;;;;;
xx0A;KIRAT RAI LETTER NYA;Lo;0;L;;;;N;;;;;
xx0B;KIRAT RAI LETTER TTA;Lo;0;L;;;;N;;;;;
xx0C;KIRAT RAI LETTER TTHA;Lo;0;L;;;;N;;;;;
xx0D;KIRAT RAI LETTER DDA;Lo;0;L;;;;N;;;;;
xx0E;KIRAT RAI LETTER DDHA;Lo;0;L;;;;N;;;;;
xx0F;KIRAT RAI LETTER TA;Lo;0;L;;;;N;;;;;
xx10;KIRAT RAI LETTER THA;Lo;0;L;;;;N;;;;;
xx11;KIRAT RAI LETTER DA;Lo;0;L;;;;N;;;;;
xx12;KIRAT RAI LETTER DHA;Lo;0;L;;;;N;;;;;
xx13;KIRAT RAI LETTER NA;Lo;0;L;;;;N;;;;;
xx14;KIRAT RAI LETTER PA;Lo;0;L;;;;N;;;;;
xx15;KIRAT RAI LETTER PHA;Lo;0;L;;;;N;;;;;
xx16;KIRAT RAI LETTER BA;Lo;0;L;;;;N;;;;;
xx17;KIRAT RAI LETTER BHA;Lo;0;L;;;;N;;;;;
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xx18;KIRAT RAI LETTER MA;Lo;0;L;;;;N;;;;;
xx19;KIRAT RAI LETTER YA;Lo;0;L;;;;N;;;;;
xx1A;KIRAT RAI LETTER RA;Lo;0;L;;;;N;;;;;
xx1B;KIRAT RAI LETTER LA;Lo;0;L;;;;N;;;;;
xx1C;KIRAT RAI LETTER VA;Lo;0;L;;;;N;;;;;
xx1D;KIRAT RAI LETTER SHA;Lo;0;L;;;;N;;;;;
xx1E;KIRAT RAI LETTER SA;Lo;0;L;;;;N;;;;;
xx1F;KIRAT RAI LETTER HA;Lo;0;L;;;;N;;;;;
xx20;KIRAT RAI VOWEL SIGN AA;Mc;0;L;;;;N;;;;;
xx21;KIRAT RAI VOWEL SIGN I;Mc;0;L;;;;N;;;;;
xx22;KIRAT RAI VOWEL SIGN U;Mn;0;NSM;;;;N;;;;;
xx23;KIRAT RAI VOWEL SIGN E;Mc;0;L;;;;N;;;;;
xx24;KIRAT RAI VOWEL SIGN AI;Mc;0;L;;;;N;;;;;
xx25;KIRAT RAI VOWEL SIGN O;Mc;0;L;;;;N;;;;;
xx26;KIRAT RAI VOWEL SIGN AU;Mc;0;L;;;;N;;;;;
xx27;KIRAT RAI SIGN VIRAMA;Mn;9;NSM;;;;N;;;;;
xx28;KIRAT RAI SIGN CANDRABINDU;Mn;0;NSM;;;;N;;;;;
xx30;KIRAT RAI DIGIT ZERO;Nd;0;L;;0;0;0;N;;;;;
xx31;KIRAT RAI DIGIT ONE;Nd;0;L;;1;1;1;N;;;;;
xx32;KIRAT RAI DIGIT TWO;Nd;0;L;;2;2;2;N;;;;;
xx33;KIRAT RAI DIGIT THREE;Nd;0;L;;3;3;3;N;;;;;
xx34;KIRAT RAI DIGIT FOUR;Nd;0;L;;4;4;4;N;;;;;
xx35;KIRAT RAI DIGIT FIVE;Nd;0;L;;5;5;5;N;;;;;
xx36;KIRAT RAI DIGIT SIX;Nd;0;L;;6;6;6;N;;;;;
xx37;KIRAT RAI DIGIT SEVEN;Nd;0;L;;7;7;7;N;;;;;
xx38;KIRAT RAI DIGIT EIGHT;Nd;0;L;;8;8;8;N;;;;;
xx39;KIRAT RAI DIGIT NINE;Nd;0;L;;9;9;9;N;;;;;

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3 References

- Bantawa, Bijay. 2007. “The Kirat Khambo Rai of Sikkim, Their Lifestyle and Custom at a Glance.” <http://sikhim.blogspot.com/2007/05/kirat-khambo-rai-of-sikkim-their.html>
- Pandey, Anshuman. 2011. “Introducing the Khambu Rai Script” (N4018 L2/11-105), April 13, 2011. <http://std.dkuug.dk/JTC1/SC2/WG2/docs/n4018.pdf>

	11A0	11A1	11A2	11A3
0	𑌀 11A00	𑌁 11A10	𑌂 11A20	𑌃 11A30
1	𑌄 11A01	𑌅 11A11	𑌆 11A21	𑌇 11A31
2	𑌈 11A02	𑌉 11A12	𑌊 11A22	𑌋 11A32
3	𑌌 11A03	𑌍 11A13	𑌎 11A23	𑌏 11A33
4	𑌐 11A04	𑌑 11A14	𑌒 11A24	𑌓 11A34
5	𑌔 11A05	𑌕 11A15	𑌖 11A25	𑌗 11A35
6	𑌘 11A06	𑌙 11A16	𑌚 11A26	𑌛 11A36
7	𑌜 11A07	𑌝 11A17	𑌞 11A27	𑌟 11A37
8	𑌠 11A08	𑌡 11A18	𑌢 11A28	𑌣 11A38
9	𑌤 11A09	𑌥 11A19		𑌦 11A39
A	𑌧 11A0A	𑌨 11A1A		
B	𑌩 11A0B	𑌪 11A1B		
C	𑌫 11A0C	𑌬 11A1C		
D	𑌭 11A0D	𑌮 11A1D		
E	𑌯 11A0E	𑌰 11A1E		
F	𑌱 11A0F	𑌲 11A1F		

Vowel

11A00 𑌀 KIRAT RAI LETTER A

Consonants

11A01 𑌁 KIRAT RAI LETTER KA
 11A02 𑌂 KIRAT RAI LETTER KHA
 11A03 𑌃 KIRAT RAI LETTER GA
 11A04 𑌄 KIRAT RAI LETTER GHA
 11A05 𑌅 KIRAT RAI LETTER NGA
 11A06 𑌆 KIRAT RAI LETTER CA
 11A07 𑌇 KIRAT RAI LETTER CHA
 11A08 𑌈 KIRAT RAI LETTER JA
 11A09 𑌉 KIRAT RAI LETTER JHA
 11A0A 𑌊 KIRAT RAI LETTER NYA
 11A0B 𑌋 KIRAT RAI LETTER TTA
 11A0C 𑌌 KIRAT RAI LETTER TTHA
 11A0D 𑌍 KIRAT RAI LETTER DDA
 11A0E 𑌎 KIRAT RAI LETTER DDHA
 11A0F 𑌏 KIRAT RAI LETTER TA
 11A10 𑌐 KIRAT RAI LETTER THA
 11A11 𑌑 KIRAT RAI LETTER DA
 11A12 𑌒 KIRAT RAI LETTER DHA
 11A13 𑌓 KIRAT RAI LETTER NA
 11A14 𑌔 KIRAT RAI LETTER PA
 11A15 𑌕 KIRAT RAI LETTER PHA
 11A16 𑌖 KIRAT RAI LETTER BA
 11A17 𑌗 KIRAT RAI LETTER BHA
 11A18 𑌘 KIRAT RAI LETTER MA
 11A19 𑌙 KIRAT RAI LETTER YA
 11A1A 𑌚 KIRAT RAI LETTER RA
 11A1B 𑌛 KIRAT RAI LETTER LA
 11A1C 𑌜 KIRAT RAI LETTER VA
 11A1D 𑌝 KIRAT RAI LETTER SHA
 11A1E 𑌞 KIRAT RAI LETTER SA
 11A1F 𑌟 KIRAT RAI LETTER HA

Vowel signs

11A20 𑌠 KIRAT RAI VOWEL SIGN AA
 11A21 𑌡 KIRAT RAI VOWEL SIGN I
 11A22 𑌢 KIRAT RAI VOWEL SIGN U
 11A23 𑌣 KIRAT RAI VOWEL SIGN E
 11A24 𑌤 KIRAT RAI VOWEL SIGN AI
 11A25 𑌥 KIRAT RAI VOWEL SIGN O
 11A26 𑌦 KIRAT RAI VOWEL SIGN AU

Various signs

11A27 𑌧 KIRAT RAI SIGN VIRAMA
 11A28 𑌨 KIRAT RAI SIGN CANDRABINDU

Digits

11A30 𑌩 KIRAT RAI DIGIT ZERO
 11A31 𑌪 KIRAT RAI DIGIT ONE
 11A32 𑌫 KIRAT RAI DIGIT TWO
 11A33 𑌬 KIRAT RAI DIGIT THREE
 11A34 𑌭 KIRAT RAI DIGIT FOUR
 11A35 𑌮 KIRAT RAI DIGIT FIVE
 11A36 𑌯 KIRAT RAI DIGIT SIX
 11A37 𑌰 KIRAT RAI DIGIT SEVEN
 11A38 𑌱 KIRAT RAI DIGIT EIGHT
 11A39 𑌲 KIRAT RAI DIGIT NINE

Figure 1: Proposed code chart and names list for the Kirat Rai script.