

Universal Multiple-Octet Coded Character Set
 International Organization for Standardization
 Organisation Internationale de Normalisation
 Международная организация по стандартизации

Doc Type: Working Group Document**Title: Preliminary proposal for encoding the Rañjana script in the SMP of the UCS****Source: Michael Everson****Status: Individual Contribution****Action: For consideration by JTC1/SC2/WG2 and UTC****Date: 2009-05-04**

Varieties of the Rañjana script (called Lañdza or Lañtsa in Tibetan) have been used to writing Sanskrit, Tibetan, and Newari in an area ranging from Nepal to Tibet. The script is a descendent of the ancient Brahmic script from India, and has the same basic behaviours (inherent vowel, vowel-sign modifiers, consonant conjunct formation). There are very many texts in Rañjana. It is mostly used for printing Hindu and Buddhist scriptures and literature in Sanskrit and Buddhist Hybrid Sanskrit used by the Newar community. Tarthang Tulku in America recently published an edition of the entire 8,000 verse Prajñāpāramitā in parallel Rañjana and Tibetan scripts. The Rañjana script continues to be taught in Tibetan and Bhutanese monasteries—and books on how to write the script continue to be published.

Rañjana is also in current use for printing “high status” documents (wedding invitations, certificates, etc) in Nepal in the Newar language and for Newar language book titles.

Since Rañjana is visually and structurally similar to the Lañtsa & Wartu scripts used for Buddhist Sanskrit documents in Tibet (China), Bhutan, Mongolia, Nepal, Sikkim & Ladakh (India) it has been considered would be practical to merge these two scripts (Lañtsa and Wartu) with Rañjana for encoding purposes.

2. Structure. Rañjana is of the Brahmic type: the consonant letters contain an inherent vowel. Consonant clusters are written with conjunct characters, and a visible vowel killer shows the deletion of the inherent vowel when there is no conjunct.

3. Independent vowels. The full set of Sanskrit independent vowels exist, though not all of these are used when Rañjana is used to write Newar: अ a, आ ā, इ i, ई ī, उ u, ऊ ū, ए e, ऐ ai, ओ o, and औ au.

4. Dependent vowel signs are used in a manner similar to that employed in the Devanagari script. Examples here show the vowel signs in conjunction with the letter क ka and ग ga. Note in particular the differences in glyph for -ā and -ī, which for क ka and some other letters have short glyphs like ँ and ऀ, and which for ग ga and most other letters have long glyphs like ी and ी. A similar alternation occurs for -e, -ai, -o, -au: the first class use a small -e element, and the second class use a long sweeping -e element: े and े.

ka क ga ग kā का gā गा ki कि gi गि kī की gī गी ku कु gu गु kū कु कू gū गु गू
kr क्र gr ग्र kṛ कृ gr ग्र kṛ कृ kṛ कृ gṛ ग्र kṛ कृ gṛ ग्र ke के ge गे kai कै गै gai गै
ko को go गो kau कौ gau गौ kam कम gam गम kam कम gam गम kaḥ कः gaḥ गः

5. Consonant clusters are used in a manner similar to that employed in the Devanagari script. There are many excellent manuals available which show the conjunct glyphs deriving from these combinations, and any font design should for a consistent style base itself on one of them. Of particular interest are a number of voiceless consonants which are represented by consonant clusters. These are listed below. It is expected that named-sequences for these should be added to the standard to give guidance to users in Nepal.

𑌕 hña = 𑌕 ha + 𑌕 VIRAMA + 𑌕 ña
𑌕 hṇa = 𑌕 ha + 𑌕 VIRAMA + 𑌕 ṇa
𑌕 hna = 𑌕 ha + 𑌕 VIRAMA + 𑌕 na
𑌕 hma = 𑌕 ha + 𑌕 VIRAMA + 𑌕 ma
𑌕 hra = 𑌕 ha + 𑌕 VIRAMA + 𑌕 ra
𑌕 hla = 𑌕 ha + 𑌕 VIRAMA + 𑌕 la
𑌕 hwa = 𑌕 ha + 𑌕 VIRAMA + 𑌕 wa

6. Collating order. The standard Brahmic sorting order applies to Rañjana.

7. Character names. Consonant letter names use the typical Brahmic transliteration used in the UCS.

9. Linebreaking. Letters and digits behave as in Devanagari.

8. Digits and punctuation. A set of digits exists. Alongside a single and double danda punctuation, Rañjana has many other signs.

10. Unicode Character Properties.

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11800;RANJANA LETTER A;Lo;0;L;;;;N;;;;;
11801;RANJANA LETTER AA;Lo;0;L;;;;N;;;;;
11802;RANJANA LETTER I;Lo;0;L;;;;N;;;;;
11803;RANJANA LETTER II;Lo;0;L;;;;N;;;;;
11804;RANJANA LETTER U;Lo;0;L;;;;N;;;;;
11805;RANJANA LETTER UU;Lo;0;L;;;;N;;;;;
11806;RANJANA LETTER VOCALIC R;Lo;0;L;;;;N;;;;;
11807;RANJANA LETTER VOCALIC RR;Lo;0;L;;;;N;;;;;
11808;RANJANA LETTER VOCALIC L;Lo;0;L;;;;N;;;;;
11809;RANJANA LETTER VOCALIC LL;Lo;0;L;;;;N;;;;;
1180A;RANJANA LETTER E;Lo;0;L;;;;N;;;;;
1180B;RANJANA LETTER AI;Lo;0;L;;;;N;;;;;
1180C;RANJANA LETTER O;Lo;0;L;;;;N;;;;;
1180D;RANJANA LETTER AU;Lo;0;L;;;;N;;;;;
1180E;RANJANA LETTER KA;Lo;0;L;;;;N;;;;;
1180F;RANJANA LETTER KHA;Lo;0;L;;;;N;;;;;
11810;RANJANA LETTER GA;Lo;0;L;;;;N;;;;;
11811;RANJANA LETTER GHA;Lo;0;L;;;;N;;;;;
11812;RANJANA LETTER NGA;Lo;0;L;;;;N;;;;;
11813;RANJANA LETTER CA;Lo;0;L;;;;N;;;;;
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11814;RANJANA LETTER CHA;Lo;0;L;;;;N;;;;;
 11815;RANJANA LETTER JA;Lo;0;L;;;;N;;;;;
 11816;RANJANA LETTER JHA;Lo;0;L;;;;N;;;;;
 11817;RANJANA LETTER NYA;Lo;0;L;;;;N;;;;;
 11818;RANJANA LETTER TTA;Lo;0;L;;;;N;;;;;
 11819;RANJANA LETTER TTHA;Lo;0;L;;;;N;;;;;
 1181A;RANJANA LETTER DDA;Lo;0;L;;;;N;;;;;
 1181B;RANJANA LETTER DDHA;Lo;0;L;;;;N;;;;;
 1181C;RANJANA LETTER NNA;Lo;0;L;;;;N;;;;;
 1181D;RANJANA LETTER TA;Lo;0;L;;;;N;;;;;
 1181E;RANJANA LETTER THA;Lo;0;L;;;;N;;;;;
 1181F;RANJANA LETTER DA;Lo;0;L;;;;N;;;;;
 11820;RANJANA LETTER DHA;Lo;0;L;;;;N;;;;;
 11821;RANJANA LETTER NA;Lo;0;L;;;;N;;;;;
 11822;RANJANA LETTER PA;Lo;0;L;;;;N;;;;;
 11823;RANJANA LETTER PHA;Lo;0;L;;;;N;;;;;
 11824;RANJANA LETTER BA;Lo;0;L;;;;N;;;;;
 11825;RANJANA LETTER BHA;Lo;0;L;;;;N;;;;;
 11826;RANJANA LETTER MA;Lo;0;L;;;;N;;;;;
 11827;RANJANA LETTER YA;Lo;0;L;;;;N;;;;;
 11828;RANJANA LETTER RA;Lo;0;L;;;;N;;;;;
 11829;RANJANA LETTER LA;Lo;0;L;;;;N;;;;;
 1182A;RANJANA LETTER WA;Lo;0;L;;;;N;;;;;
 1182B;RANJANA LETTER SHA;Lo;0;L;;;;N;;;;;
 1182C;RANJANA LETTER SSA;Lo;0;L;;;;N;;;;;
 1182D;RANJANA LETTER SA;Lo;0;L;;;;N;;;;;
 1182E;RANJANA LETTER HA;Lo;0;L;;;;N;;;;;
 1182F;RANJANA SIGN CANDRABINDU;Mn;230;NSM;;;;N;;;;;
 11830;RANJANA SIGN ANUSVARA;Mn;230;NSM;;;;N;;;;;
 11831;RANJANA SIGN VISARGA;Mc;230;L;;;;N;;;;;
 11832;RANJANA VOWEL SIGN AA;Mn;0;NSM;;;;N;;;;;
 11833;RANJANA VOWEL SIGN I;Mn;0;NSM;;;;N;;;;;
 11834;RANJANA VOWEL SIGN II;Mn;0;NSM;;;;N;;;;;
 11835;RANJANA VOWEL SIGN U;Mn;220;NSM;;;;N;;;;;
 11836;RANJANA VOWEL SIGN UU;Mn;220;NSM;;;;N;;;;;
 11837;RANJANA VOWEL SIGN VOCALIC R;Mn;220;NSM;;;;N;;;;;
 11838;RANJANA VOWEL SIGN VOCALIC RR;Mn;220;NSM;;;;N;;;;;
 11839;RANJANA VOWEL SIGN VOCALIC L;Mn;220;NSM;;;;N;;;;;
 1183A;RANJANA VOWEL SIGN VOCALIC LL;Mn;220;NSM;;;;N;;;;;
 1183B;RANJANA VOWEL SIGN E;Mc;0;L;;;;N;;;;;
 1183C;RANJANA VOWEL SIGN AI;Mn;0;NSM;;;;N;;;;;
 1183D;RANJANA VOWEL SIGN O;Mn;0;NSM;;;;N;;;;;
 1183E;RANJANA VOWEL SIGN AU;Mn;0;NSM;;;;N;;;;;
 1183F;RANJANA VIRAMA;Mn;9;NSM;;;;N;;;;;
 11840;RANJANA DIGIT ZERO;Nd;0;L;0;0;0;N;;;;;
 11841;RANJANA DIGIT ONE;Nd;0;L;1;1;1;N;;;;;
 11842;RANJANA DIGIT TWO;Nd;0;L;2;2;2;N;;;;;
 11843;RANJANA DIGIT THREE;Nd;0;L;3;3;3;N;;;;;
 11844;RANJANA DIGIT FOUR;Nd;0;L;4;4;4;N;;;;;
 11845;RANJANA DIGIT FIVE;Nd;0;L;5;5;5;N;;;;;
 11846;RANJANA DIGIT SIX;Nd;0;L;6;6;6;N;;;;;
 11847;RANJANA DIGIT SEVEN;Nd;0;L;7;7;7;N;;;;;
 11848;RANJANA DIGIT EIGHT;Nd;0;L;8;8;8;N;;;;;
 11849;RANJANA DIGIT NINE;Nd;0;L;9;9;9;N;;;;;
 1184B;RANJANA OM;Lo;0;L;;;;N;;;;;
 1184E;RANJANA YIG MGO;Po;0;L;;;;N;;;;;
 1184C;RANJANA DANDA;Po;0;L;;;;N;;;;;
 1184D;RANJANA DOUBLE DANDA;Po;0;L;;;;N;;;;;
 1184F;RANJANA VIRAM;Po;0;L;;;;N;;;;;

11. Bibliography.

- Śhākya, Rabison. 2002. *Nepal Lipi Varṇamālā = Alphabet of the Nepalese script*. Patan: Motirāj Śhākya. ISBN 99933-34-36-7
 Shakyavansha, Hemraj. 1985. *Nepal Lipi Saṁgraha = Nepalese Alphabets*. Kathmandu: [s.n.].

Consonants mixed with Ya

यकार संयोग व्यञ्जनवर्ण

क्या ख्या ग्या घ्या न्या च्या च्या ज्या ज्य्या यान्या

Kya Khya Gya Ghya Nya Chya Chhya Jya Jhhya Yanya

क्य ख्य ग्य घ्य ङ्य च्य छ्य ज्य भ्य ळ्य

त्या थ्या द्या ध्या न्या त्या थ्या द्या ध्या न्या

Tya Thya Dya Dhya Nya Tya Thya Dya Dhya Nya

त्य थ्य द्य ध्य ण्य त्थ ध्य द्य ध्य न्य

प्या फ्या बा भ्या म्या य्या र्या ल्या व्या

Pya Phya Baa Bhya Mya Yya Rya Lya Wya

प्य फ्य ब्य भ्य म्य य्य र्य ल्य व्य

श्या श्या स्या ह्या कश्या त्र्या ज्ञ्या

Shya Shya Sya Hya Kshya Trya Jnya

श्य ष्य स्य ह्य क्ष्य त्र्य ज्ञ्य

Figure 1. Example of conjuncts in -ya from Shakyavansha 1985.

Consonants mixed with Ra

रकार संयोग व्यञ्जनवर्ग

कखगघङ्गचछजझञ्ज

Kra Khra Gra Ghra Nra Chra Chhra Jra Jhra Yanra

क ख ग घ ङ च छ ज झ ञ

टठडढणतथदधन

Tra Thra Dra Dhra Nra Tra Thra Dra Dhra Nra

ट ठ ड ढ ण त थ द ध न

पफबभमयरलव

Pra Phra Bra Bhra Mra Yra Rra Lra Wra

प फ ब भ म य र ल व

शषसहक्षत्रज्ञ

Shra Shra Sra Hra Kshra Trra Jnra

श ष स ह क्ष त्र ज्ञ

Figure 2. Example of conjuncts in -ra from Shakyavansha 1985.

Consonants mixed with La

लकार संयोग व्यञ्जनवर्ग

Kla Khla Gla Ghla Nla Chla Chhl Jla Jhla Yanla

क्ल खल गल घल नल चल छल जल झल यल

Tla Thla Dla Dhla Nla Tla Thla Dla Dhla Nla

टल ठल डल ढल णल तल थल दल धल नल

Pla Phla Bla Bhla Mla Yla Rla Lla Wla

पल फल बल भल मल यल रल लल वल

Shla Shla Sla Hla Kshla Trla Jnla

शल षल सल हल कल त्रल ज्ञल

Figure 3. Example of conjuncts in -la from Shakyavansha 1985.

Consonants mixed with Wa

वकार संयोग व्यञ्जनवर्ग

क वा ख घ ग वा च छ ज झ ञ

KwaKhwaGwaGhwaNwaChwaChhwaJwaJhwaYnwa

क ख ग घ ङ च छ ज झ ञ

ट ठ ड ढ ण त थ द ध न

Twa ThwaDwaDhwaNwa Twa ThwaDwaDhwaNwa

ट ठ ड ढ ण त थ द ध न

प फ ब भ म य र ल व

Pwa Phwa Bwa Bhwa Mwa Ywa Rwa LwaWwa

प फ ब भ म य र ल व

श ष स ह क्ष त्र ज्ञ

Shwa Shwa Swa Hwa Kshwa Trwa Jnwa

श ष स ह क्ष त्र ज्ञ

Figure 4. Example of conjuncts in -wa from Shakyavansha 1985.

Consonants mixed with Na

नकार संयोग व्यञ्जनवर्ग

कन खन गन घन ङन चन छन जन झन

Kna Khna Gna Ghna Nna Chna Chhna Jna Jhna

कन खन गन घन ङन चन छन जन झन

टन ठन डन ढन णन तन धन दन धन न

Tna Thna Dna Dhna Nna Tna Thna Dna Dhna Nna

टन ठन डन ढन णन तन धन दन धन न

पन फन बन भन मन यन रन लन वन

Pna Phna Bna Bhna Mna Yna Rna Lna Wna

पन फन बन भन मन यन रन लन वन

शन षन सन ह ङन

Shna Shna Sna Hna Kshna

शन षन सन ह ङन

Figure 5. Example of conjuncts in -na from Shakyavansha 1985.

Consonants mixed with Ma

मकार संयोग व्यञ्जनवर्ण

Kma Khma Gma Ghma Nma Chma Chhma Jma Jhma

कम खम गम घन डम ङम छम जम भम

Tma Thma Dma Dhma Nma Tma Thma Dma Dhma Nma

टम ठम डम ढम णम तम थम दम धम नम

Pma Phma Bma Bhma Mma Yma Rma Lma Wma

पम फम बम भम मम यम रम लम वम

Shma Shma Sma Hma Kahma

श्म षम स्म ह्य क्म

Figure 6. Example of conjuncts in *-ma* from Shakyavansha 1985.

पूर्वतो वर्गीय पञ्चम व्यञ्जनवर्ण


 Nka Nkha Nga Ngha Nna Ncha Nchha Nja Njha
 ङ्क ङ्ख ङ्ग ङ्ह ङ्ण ङ्च ङ्छ ङ्ज ङ्ह


 Nta Ntha Nda Ndha Nna Nta Ntha Nda Ndha Nna
 एट एठ एड एढ एण न्त न्थ न्द न्ध न्न


 Mpa Mpha Mba Mbha Mma
 म्प म्फ म्ब म्भ म्म

Figure 7. Example of conjuncts with initial homorganic nasals $\dot{n}$ -, $\tilde{n}$ -, η -, n -, and m -, from Shakyavansha 1985.

Consonants mixed with Sa

सकार संयोग व्यञ्जनवर्ण

स्क् श्क् ष्क् स्क् ण्क् त्क् थ्क् द्क् न्क्

Ska Skha Sga Sgha Sna Scha Schha Sja Sjha Syan

एक एख एग एघ एङ अ श्छ श्ज श्म श्व

स्त स्त थ स्त द स्त न स्त

Sta Stha Sda Sdha Sna Sta Stha Sda Sdha Sna

ष्ट ष्ट ङ्ट ङ्ठ ण्त स्त स्थ स्द स्व स्न

स्प स्फ स्ब स्भ स्म

Spa Spha Sba Sbha Sma

एप् एफ एब एभ एम

Figure 8. Example of conjuncts with initial s- from Shakyavansha 1985.

विज्ञायास्तानंग्रहवर्गमग्र
मोतिस्त्वगांवत्तज्जात्रिदासतद्व
मङ्गलनमीगङ्गीवनमायावाप
दृष्टत्वायुक्तञ्जनमन्त्रज्ञान

ववाववाववाववाववाववा
ददाददाददाददाददाददा
गगागगागगागगागगागगा
ननाननाननाननाननाननानन

12

A. Administrative

1. Title

Proposal for encoding the Rañjana script in the SMP of the UCS

2. Requester's name

Michael Everson

3. Requester type (Member body/Liaison/Individual contribution)

Individual contribution.

4. Submission date

2009-05-04

5. Requester's reference (if applicable)

6. Choose one of the following:

6a. This is a complete proposal

No.

6b. More information will be provided later

Yes.

B. Technical – General

1. Choose one of the following:

1a. This proposal is for a new script (set of characters)

Yes.

1b. Proposed name of script

Rañjana.

1c. The proposal is for addition of character(s) to an existing block

No.

1d. Name of the existing block

2. Number of characters in proposal

79.

3. Proposed category (A-Contemporary; B.1-Specialized (small collection); 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)

Category A.

4a. Is a repertoire including character names provided?

Yes.

4b. If YES, are the names in accordance with the “character naming guidelines” in Annex L of P&P document?

Yes.

4c. Are the character shapes attached in a legible form suitable for review?

Yes.

5a. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard?

Michael Everson.

5b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

Michael Everson, FontLab.

6a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?

Yes.

6b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?

Yes.

7. 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.

8. 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/Public/UNIDATA/UnicodeCharacterDatabase.html> and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

See above.

C. Technical – Justification

1. Has this proposal for addition of character(s) been submitted before? If YES, explain.

No.

2a. 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.

2b. If YES, with whom?

2c. 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?

People living in Nepal, India, Tibet. Scholars.

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

Common.

4b. Reference

5a. Are the proposed characters in current use by the user community?

Yes.

5b. If YES, where?

In Nepal and elsewhere.

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

Yes.

6b. If YES, is a rationale provided?

Yes.

6c. If YES, reference

Contemporary use and accordance with the Roadmap.

7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?

Yes.

8a. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?

No.

8b. If YES, is a rationale for its inclusion provided?

8c. If YES, reference

9a. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?

No.

9b. If YES, is a rationale for its inclusion provided?

9c. If YES, reference

10a. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?

No.

10b. If YES, is a rationale for its inclusion provided?

10c. If YES, reference

11a. Does the proposal include use of combining characters and/or use of composite sequences (see clauses 4.12 and 4.14 in ISO/IEC 10646-1: 2000)?

No.

11b. If YES, is a rationale for such use provided?

11c. If YES, reference

11d. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?

No.

11e. If YES, reference

12a. Does the proposal contain characters with any special properties such as control function or similar semantics?

No.

12b. If YES, describe in detail (include attachment if necessary)

13a. Does the proposal contain any Ideographic compatibility character(s)?

No.

13b. If YES, is the equivalent corresponding unified ideographic character(s) identified?

	1180	1181	1182	1183	1184	1185
0	𑌀 11800	𑌁 11810	𑌂 11820	𑌃 11830	𑌄 11840	
1	𑌅 11801	𑌆 11811	𑌇 11821	𑌈 11831	𑌉 11841	
2	𑌊 11802	𑌋 11812	𑌌 11822	𑌍 11832	𑌎 11842	
3	𑌏 11803	𑌐 11813	𑌑 11823	𑌒 11833	𑌓 11843	
4	𑌔 11804	𑌕 11814	𑌖 11824	𑌗 11834	𑌘 11844	
5	𑌙 11805	𑌚 11815	𑌛 11825	𑌜 11835	𑌝 11845	
6	𑌞 11806	𑌟 11816	𑌠 11826	𑌡 11836	𑌢 11846	
7	𑌣 11807	𑌤 11817	𑌥 11827	𑌦 11837	𑌧 11847	
8	𑌨 11808	𑌩 11818	𑌪 11828	𑌫 11838	𑌬 11848	
9	𑌭 11809	𑌮 11819	𑌯 11829	𑌰 11839	𑌱 11849	
A	𑌲 1180A	𑌳 1181A	𑌴 1182A	𑌵 1183A		
B	𑌶 1180B	𑌷 1181B	𑌸 1182B	𑌹 1183B	𑌺 1184B	
C	𑌻 1180C	𑌼 1181C	𑌽 1182C	𑌾 1183C	𑌿 1184C	
D	𑍀 1180D	𑍁 1181D	𑍂 1182D	𑍃 1183D	𑍄 1184D	
E	𑍅 1180E	𑍆 1181E	𑍇 1182E	𑍈 1183E	𑍉 1184E	
F	𑍊 1180F	𑍋 1181F	𑍌 1182F	𑍍 1183F	𑍎 1184F	

Independent vowels

11800	अ	RANJANA LETTER A
11801	आ	RANJANA LETTER AA
11802	इ	RANJANA LETTER I
11803	ई	RANJANA LETTER II
11804	उ	RANJANA LETTER U
11805	ऊ	RANJANA LETTER UU
11806	अ॑	RANJANA LETTER VOCALIC R
11807	आ॑	RANJANA LETTER VOCALIC RR
11808	इ॑	RANJANA LETTER VOCALIC L
11809	ई॑	RANJANA LETTER VOCALIC LL
1180A	ए	RANJANA LETTER E
1180B	ऐ	RANJANA LETTER AI
1180C	ओ	RANJANA LETTER O
1180D	औ	RANJANA LETTER AU

Consonants

1180E	क	RANJANA LETTER KA
1180F	ख	RANJANA LETTER KHA
11810	ग	RANJANA LETTER GA
11811	घ	RANJANA LETTER GHA
11812	ङ	RANJANA LETTER NGA
11813	च	RANJANA LETTER CA
11814	छ	RANJANA LETTER CHA
11815	ज	RANJANA LETTER JA
11816	झ	RANJANA LETTER JHA
11817	ञ	RANJANA LETTER NYA
11818	ट	RANJANA LETTER TTA
11819	ठ	RANJANA LETTER TTHA
1181A	ड	RANJANA LETTER DDA
1181B	ढ	RANJANA LETTER DDHA
1181C	न	RANJANA LETTER NNA
1181D	त	RANJANA LETTER TA
1181E	थ	RANJANA LETTER THA
1181F	द	RANJANA LETTER DA
11820	ध	RANJANA LETTER DHA
11821	न॑	RANJANA LETTER NA
11822	प	RANJANA LETTER PA
11823	फ	RANJANA LETTER PHA
11824	ब	RANJANA LETTER BA
11825	भ	RANJANA LETTER BHA
11826	म	RANJANA LETTER MA
11827	य	RANJANA LETTER YA
11828	र	RANJANA LETTER RA
11829	ल	RANJANA LETTER LA
1182A	व	RANJANA LETTER WA
1182B	श	RANJANA LETTER SHA
1182C	ष	RANJANA LETTER SSA
1182D	स	RANJANA LETTER SA
1182E	ह	RANJANA LETTER HA

Various signs

1182F	◌ं	RANJANA SIGN CANDRABINDU
11830	◌ं	RANJANA SIGN ANUSVARA
11831	◌ँ	RANJANA SIGN VISARGA

Dependent vowel signs

11832	◌ा	RANJANA VOWEL SIGN AA
11833	◌ि	RANJANA VOWEL SIGN I
11834	◌ी	RANJANA VOWEL SIGN II

11835	◌ु	RANJANA VOWEL SIGN U
11836	◌ू	RANJANA VOWEL SIGN UU
11837	◌॑	RANJANA VOWEL SIGN VOCALIC R
11838	◌॑	RANJANA VOWEL SIGN VOCALIC RR
11839	◌॑	RANJANA VOWEL SIGN VOCALIC L
1183A	◌॑	RANJANA VOWEL SIGN VOCALIC LL
1183B	◌॑	RANJANA VOWEL SIGN E
1183C	◌॑	RANJANA VOWEL SIGN AI
1183D	◌॑	RANJANA VOWEL SIGN O
1183E	◌॑	RANJANA VOWEL SIGN AU

Various signs

1183F	◌	RANJANA VIRAMA
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Digits

11840	०	RANJANA DIGIT ZERO
11841	१	RANJANA DIGIT ONE
11842	२	RANJANA DIGIT TWO
11843	३	RANJANA DIGIT THREE
11844	४	RANJANA DIGIT FOUR
11845	५	RANJANA DIGIT FIVE
11846	६	RANJANA DIGIT SIX
11847	७	RANJANA DIGIT SEVEN
11848	८	RANJANA DIGIT EIGHT
11849	९	RANJANA DIGIT NINE

Punctuation

1184B	॥	RANJANA OM
1184C	॥	RANJANA YIG MGO
1184D	॥	RANJANA DANDA
1184E	॥	RANJANA DOUBLE DANDA
1184F	॥	RANJANA VIRAM