

To: Unicode Technical Committee
From: Andrew Glass and Anshuman Pandey
Subject: ISC assignment for *gomukha* characters
Date: 17 December 2020

Background:

Andrew Glass received a request from a group creating a Sanskrit font with Unicode characters from Unicode version 13.0 (Devanagari 0900-097F, Vedic Extensions 1CD0-1CFF, and Devanagari Extended A8E0 - A8F).

The group reported that the base glyphs 1CE9, 1CEA, 1CEB do not attach to Anusvara 0902 mark, though Vedic texts have these glyphs with a dot above.

Andrew investigated [IndicSyllabicCategory.txt](#) and discovered there is a properties gap in that the base signs in the Vedic block don't have a syllabic category assigned. When we assign that category, the combining marks for Devanagari will start to combine, but what about Bengali? Shriramana discusses the options in his documents ([L2/18-035](#) and [L2/18-287](#); see also [L2/17-098](#)).

Anshuman Pandey recommends the 'gomukha' characters at U+1CE9 .. U+1CEC should be enabled as bases to take an anusvara as a combining sign. For the related U+1CFA VEDIC SIGN DOUBLE ANUSVARA ANTARGOMUKHA, he recommends the character be defined as a nasal letter, as it may be combined with an anusvara. Details in <http://www.unicode.org/L2/L2017/17117r-vedic-double-antargomukha.pdf> His recommendation is that all the *gomukha* characters be treated as nasal letters.

Request: We request ISC values for the Vedic Extensions be reviewed, and missing assignments be determined and assigned, certainly for U+1CE9 .. U+1CEC.