

A.4.16 SMS/CBS 7-bit Hindi (Devanagari) Alphabet (0x16)

A.4.16.1 SMS/CBS 7-bit Hindi (Devanagari) Alphabet (0x16) base table

				b7	0	0	0	0	1	1	1	1
				b6	0	0	1	1	0	0	1	1
				b5	0	1	0	1	0	1	0	1
b4	b3	b2	b1		0	1	2	3	4	5	6	7
0	0	0	0	0	ॐ 0901	ऐ 0910	SP 0020	0	ब 092C	ॐ 093E	ॐ 0950	p 0070
0	0	0	1	1	ॐ 0902	त 005F	त 0924	1	भ 092D	ॐ 093F	a 0061	q 0071
0	0	1	0	2	ओः 0903	ओ 0912	ट 091F	2	म 092E	ो 0940	b 0062	r 0072
0	0	1	1	3	अ 0905	ओ 0913	# 0023	3	य 092F	ু 0941	c 0063	s 0073
0	1	0	0	4	आ 0906	औ 0914	थ 0925	4	र 0930	ূ 0942	d 0064	t 0074
0	1	0	1	5	ই 0907	ক 0915	ঠ 0920	5	ঠ 0931	ু 0943	e 0065	u 0075
0	1	1	0	6	ইঁ 0908	খ 0916	দ 0926	6	ল 0932	ু 0962	f 0066	v 0076
0	1	1	1	7	ঢ 0909	গ 0917	ঢ 0921	7	ঢ 0933	ঁ 0945	g 0067	w 0077
1	0	0	0	8	ঢ 090A	ঘ 0918	ঘ 0927	8	ঢ 0934	ঁ 0946	h 0068	x 0078
1	0	0	1	9	ঢ 090B	ঢ 0919	ঢ 0922	9	ঢ 0935	ঁ 0947	i 0069	y 0079
1	0	1	0	ା	LF 000A	ଚ 091A	*	:	ସ 0938	ଁ 0948	j 006A	z 007A
1	0	1	1	ବ	ଲ 090C	SS2 ----	+	;	ସ 0937	ଁ 0949	k 006B	
1	1	0	0	କ	ୟ 090D	ଛ 091B	,	ୟ 0923	ଶ 0936	ଁ 094A	l 006C	
1	1	0	1	ଦ	CR 000D	ଜ 091C	ନ 0928	ପ 092A	ହ 0939	ଁ 094B	m 006D	
1	1	1	0	ଏ	ୟ 090E	ଝ 091D	.	ଫ 092B	ଁ 093C	ଁ 094C	n 006E	୦ 0970
1	1	1	1	ଫ	ୟ 090F	ଜ 091E	/	?		ଁ 094D	୦ 006F	

In the event that an MS receives a code where a symbol is not represented in the above table then the MS shall display the REPLACEMENT CHARACTER (U+FFFD).

LF: LINE FEED; moves to the next line (with implied carriage return).

CR: CARRIAGE RETURN; CR is not used as CR but is used as a filler after the actual SMS/CBS message text. CR should not occur inside a message text, but if it does, it must be converted to LF. Note though that <SS2,CR> is actually CSI (see next table), and that "CR" is not a filler, nor LF.

SS2: SINGLE SHIFT TWO; This code shifts the next 7-bit code unit to refer to an extension of this table (subclause A.4.16.2). (Note: setting, in the SMS and CBS protocols, base or extension table with reference value 0x10 or larger automatically sets the other tables with the same reference value.) When splitting a message text into submessages, there must be no cut right after an SS2.

094D DEVANAGARI SIGN VIRAMA: This is a control character for forming conjuncts. If the display font does not support the requested conjunct, U+094D is a combining character with nominal glyph. In Devanagari, conjuncts are sometimes formed by using the half form of the first consonant, which also may be used final consonants.

A.4.16.2 SMS/CBS 7-bit Hindi (Devanagari) Alphabet (0x16) extension (SS2) table

b7	0	0	0	0	1	1	1	1
b6	0	0	1	1	0	0	1	1
b5	0	1	0	1	0	1	0	1
b4	b3	b2	b1	1B	0	1	2	3
0	0	0	0	0	@ 0040	< 003C	४ 096A	॥ 0960
0	0	0	1	1	£ 00A3	= 003D	¤ 096B	ॐ 0961
0	0	1	0	2	\$ 0024	> 003E	₹ 096C	় 0944
0	0	1	1	3	¥ 00A5	₹ 20B9	় 096D	় 0963
0	1	0	0	4	§ 00A7	^ 005E	৳ 096E	় 0975
0	1	0	1	5	" 0022	· 0971	় 096F	় 0973
0	1	1	0	6	€ 20AC	∽ A8FC	় 0951	় 0974
0	1	1	1	7	% 0025	(0028	় 0952	় 094F
1	0	0	0	8	& 0026) 0029	{ 007B	় 093A
1	0	0	1	9	' 0027	 0964	} 007D	় 093B
1	0	1	0	A	FF 000C	 0965	় 0967,2044,096A	~ 2248
1	0	1	1	B	- 2212	SS3 ----	় 0967,2044,0968	≠ 2260
1	1	0	0	C	! 0021	০ 0966	় 0969,2044,096A	[005B
1	1	0	1	D	CSI 009B	় 0967	় 2A7D	~ 007E
1	1	1	0	E	- 002D	ৰ 0968	় 2A7E] 005D
1	1	1	1	F	় 0929	ৰ 0969	। 005C	. 00B7

In the event that an MS receives a code where a symbol is not represented in the above table then the MS shall display the REPLACEMENT CHARACTER (U+FFFD).

FF: FORM FEED; This code is defined as a Page Break character (with implied carriage return). Any mobile station which does not have pagination shall treat it as a LF (with implied carriage return).

CSI: CONTROL SEQUENCE INTRODUCER; enables decimal character references, enables styling. An MS which does not support CSI shall convert it to REPLACEMENT CHARACTER.

SS3: SINGLE SHIFT THREE; This code is reserved for the extension to another extension table. When splitting a message text into submessages, there must be no cut right after an SS3.

U+2044 FRACTION SLASH; the sequence may need to be isolated from adjacent digits by ZWNJ.