

## A.4.14 SMS/CBS 7-bit Bengali/Bangla Alphabet (0x14)

### A.4.14.1 SMS/CBS 7-bit Bengali/Bangla Alphabet (0x14) base table

|           |           |           |           |   | <b>b7</b> | 0    | 0    | 0    | 0    | 1    | 1    | 1 | 1    |
|-----------|-----------|-----------|-----------|---|-----------|------|------|------|------|------|------|---|------|
|           |           |           |           |   | <b>b6</b> | 0    | 0    | 1    | 1    | 0    | 0    | 1 | 1    |
|           |           |           |           |   | <b>b5</b> | 0    | 1    | 0    | 1    | 0    | 1    | 0 | 1    |
| <b>b4</b> | <b>b3</b> | <b>b2</b> | <b>b1</b> |   |           | 0    | 1    | 2    | 3    | 4    | 5    | 6 | 7    |
| 0         | 0         | 0         | 0         | 0 | ৐         | ঐ    | SP   | 0    | ব    | া    |      | p | 0070 |
|           |           |           |           |   | 0981      | 0990 | 0020 | 0030 | 09AC | 09BE |      |   |      |
| 0         | 0         | 0         | 1         | 1 | ং         | ত    | 1    | ভ    | ি    | a    | q    |   | 0071 |
|           |           |           |           |   | 0982      | 005F | 09A4 | 0031 | 09AD | 09BF | 0061 |   |      |
| 0         | 0         | 1         | 0         | 2 | ঃ         | ট    | 2    | ম    | ী    | b    | r    |   | 0072 |
|           |           |           |           |   | 0983      |      | 099F | 0032 | 09AE | 09C0 | 0062 |   |      |
| 0         | 0         | 1         | 1         | 3 | অ         | ও    | #    | 3    | য    | ু    | c    | s | 0073 |
|           |           |           |           |   | 0985      | 0993 | 0023 | 0033 | 09AF | 09C1 | 0063 |   |      |
| 0         | 1         | 0         | 0         | 4 | আ         | ঔ    | থ    | 4    | র    | ূ    | d    | t | 0074 |
|           |           |           |           |   | 0986      | 0994 | 09A5 | 0034 | 09B0 | 09C2 | 0064 |   |      |
| 0         | 1         | 0         | 1         | 5 | ই         | ক    | ঠ    | 5    |      | ্    | e    | u | 0075 |
|           |           |           |           |   | 0987      | 0995 | 09A0 | 0035 |      | 09C3 | 0065 |   |      |
| 0         | 1         | 1         | 0         | 6 | ঈ         | খ    | দ    | 6    | ল    | ু    | f    | v | 0076 |
|           |           |           |           |   | 0988      | 0996 | 09A6 | 0036 | 09B2 | 09E2 | 0066 |   |      |
| 0         | 1         | 1         | 1         | 7 | উ         | গ    | ড    | 7    |      |      | g    | w | 0077 |
|           |           |           |           |   | 0989      | 0997 | 09A1 | 0037 |      |      | 0067 |   |      |
| 1         | 0         | 0         | 0         | 8 | ঊ         | ঘ    | ধ    | 8    |      | ে    | h    | x | 0078 |
|           |           |           |           |   | 098A      | 0998 | 09A7 | 0038 |      | 09C7 | 0068 |   |      |
| 1         | 0         | 0         | 1         | 9 | ঋ         | ঙ    | ঢ    | 9    |      |      | i    | y | 0079 |
|           |           |           |           |   | 098B      | 0999 | 09A2 | 0039 |      |      | 0069 |   |      |
| 1         | 0         | 1         | 0         | A | LF        | চ    | *    | :    | স    | ৈ    | j    | z | 007A |
|           |           |           |           |   | 000A      | 099A | 002A | 003A | 09B8 | 09C8 | 006A |   |      |
| 1         | 0         | 1         | 1         | B | ৎ         | SS2  | +    | ;    | ষ    | ী    | k    |   |      |
|           |           |           |           |   | 098C      | ---- | 002B | 003B | 09B7 | 09D7 | 006B |   |      |
| 1         | 1         | 0         | 0         | C |           | ছ    | ,    | ণ    | শ    |      | l    |   |      |
|           |           |           |           |   |           | 099B | 002C | 09A3 | 09B6 |      | 006C |   |      |
| 1         | 1         | 0         | 1         | D | CR        | জ    | ন    | প    | হ    | ো    | m    |   |      |
|           |           |           |           |   | 000D      | 099C | 09A8 | 09AA | 09B9 | 09CB | 006D |   |      |
| 1         | 1         | 1         | 0         | E | এ         | ঝ    | .    | ফ    | ়    | ৌ    | n    | □ | 09FD |
|           |           |           |           |   | 098F      | 099D | 002E | 09AB | 09BC | 09CC | 006E |   |      |
| 1         | 1         | 1         | 1         | F |           | ঞ    | /    | ?    |      | ্    | o    |   |      |
|           |           |           |           |   |           | 099E | 002F | 003F |      | 09CD | 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.4.14.2). (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.

09CD: BENGALI SIGN VIRAMA: This is a control character for forming conjuncts. If the display font does not support the requested conjunct, U+09CD is a combining character with nominal glyph.

#### A.4.14.2 SMS/CBS 7-bit Bengali/Bangla Alphabet (0x14) extension (SS2) table

|           |           |           |           |           |             |             |                      |           |           |           |           |           |   |
|-----------|-----------|-----------|-----------|-----------|-------------|-------------|----------------------|-----------|-----------|-----------|-----------|-----------|---|
|           |           |           |           |           | <b>b7</b>   | 0           | 0                    | 0         | 0         | 1         | 1         | 1         | 1 |
|           |           |           |           |           | <b>b6</b>   | 0           | 0                    | 1         | 1         | 0         | 0         | 1         | 1 |
|           |           |           |           |           | <b>b5</b>   | 0           | 1                    | 0         | 1         | 0         | 1         | 0         | 1 |
| <b>b4</b> | <b>b3</b> | <b>b2</b> | <b>b1</b> | <b>1B</b> | 0           | 1           | 2                    | 3         | 4         | 5         | 6         | 7         |   |
| 0         | 0         | 0         | 0         | 0         | @<br>0040   | <<br>003C   | ৪<br>09EA            | ঋ<br>09E0 | <br>007C  | P<br>0050 | ¼<br>00BC | △<br>26A0 |   |
| 0         | 0         | 0         | 1         | 1         | £<br>00A3   | =<br>003D   | ৫<br>09EB            | ঋ<br>09E1 | A<br>0041 | Q<br>0051 | ½<br>00BD | ∞<br>221E |   |
| 0         | 0         | 1         | 0         | 2         | \$<br>0024  | ><br>003E   | ৬<br>09EC            | ৐<br>09C4 | B<br>0042 | R<br>0052 | ¾<br>00BE | ²<br>00B2 |   |
| 0         | 0         | 1         | 1         | 3         | ¥<br>00A5   | ₹<br>20B9   | ৭<br>09ED            | ৐<br>09E3 | C<br>0043 | S<br>0053 | “<br>201C | ³<br>00B3 |   |
| 0         | 1         | 0         | 0         | 4         | §<br>00A7   | ^<br>005E   | ৮<br>09EE            |           | D<br>0044 | T<br>0054 | ”<br>201D | ৳<br>09BD |   |
| 0         | 1         | 0         | 1         | 5         | "<br>0022   | ৳<br>09F3   | ৯<br>09EF            |           | E<br>0045 | U<br>0055 | ¤<br>00A4 | ৴<br>09F0 |   |
| 0         | 1         | 1         | 0         | 6         | €<br>20AC   | □<br>0980   |                      |           | F<br>0046 | V<br>0056 | Ω<br>03A9 | ৵<br>09F1 |   |
| 0         | 1         | 1         | 1         | 7         | %<br>0025   | (<br>0028   |                      |           | G<br>0047 | W<br>0057 | μ<br>03BC |           |   |
| 1         | 0         | 0         | 0         | 8         | &<br>0026   | )<br>0029   | {<br>007B            |           | H<br>0048 | X<br>0058 | °<br>00B0 |           |   |
| 1         | 0         | 0         | 1         | 9         | '<br>0027   | <br>0964    | }<br>007D            |           | I<br>0049 | Y<br>0059 | ×<br>00D7 |           |   |
| 1         | 0         | 1         | 0         | A         | FF<br>000C  | <br>0965    | ৺৪<br>09E7,2044,09EA | ≈<br>2248 | J<br>004A | Z<br>005A | ÷<br>00F7 |           |   |
| 1         | 0         | 1         | 1         | B         | -<br>2212   | SS3<br>---- | ৺৳<br>09E7,2044,09E8 | ≠<br>2260 | K<br>004B |           | ±<br>00B1 | ৴<br>09CE |   |
| 1         | 1         | 0         | 0         | C         | !<br>0021   | ◌<br>09E6   | ৺৪<br>09E9,2044,09EA | [<br>005B | L<br>004C |           | ‰<br>2030 |           |   |
| 1         | 1         | 0         | 1         | D         | CSI<br>009B | ৺<br>09E7   | ≤<br>2A7D            | ~<br>007E | M<br>004D |           | «<br>00AB |           |   |
| 1         | 1         | 1         | 0         | E         | -<br>002D   | ৺<br>09E8   | ≥<br>2A7E            | ]<br>005D | N<br>004E |           | »<br>00BB |           |   |
| 1         | 1         | 1         | 1         | F         |             | ৺<br>09E9   | \<br>005C            | ·<br>00B7 | O<br>004F |           | '<br>2019 | ৺<br>09FA |   |

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.