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## 1 Introduction

This is a preliminary proposal to encode the Modi Script in the Universal Character Set (ISO/IEC 10646). The Modi script is a Brahmi-based left-to-right script that was used mainly for writing the Marathi language. Based on the same model as Devanagari, it was developed during Maratha rule in the 17th century for administrative purposes. It was the official script of the Maratha dynasties and was used in the Indian state of Maharashtra until the middle 20th century. Thousands of Modi documents are preserved in India and there are scholarly communities engaged in research on these documents.

Modi is allocated in the Supplemental Multilingual Roadmap (SMP) at the range U+11780..117DF. A total of 78 characters is required to encode a basic character set for Modi. These characters, their names, and properties are shown below.

## 2 Character Names and Properties

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11780;MODI SIGN ANUSVARA;Mn;0;NSM;;;;N;;;;;
11781;MODI SIGN VISARGA;Mc;0;L;;;;N;;;;;
11782;MODI LETTER A;Lo;0;L;;;;N;;;;;
11783;MODI LETTER AA;Lo;0;L;;;;N;;;;;
11784;MODI LETTER I;Lo;0;L;;;;N;;;;;
11785;MODI LETTER II;Lo;0;L;;;;N;;;;;
11786;MODI LETTER U;Lo;0;L;;;;N;;;;;
11787;MODI LETTER UU;Lo;0;L;;;;N;;;;;
11788;MODI LETTER VOCALIC R;Lo;0;L;;;;N;;;;;
11789;MODI LETTER VOCALIC RR;Lo;0;L;;;;N;;;;;
1178A;MODI LETTER VOCALIC L;Lo;0;L;;;;N;;;;;
1178B;MODI LETTER VOCALIC LL;Lo;0;L;;;;N;;;;;
1178C;MODI LETTER E;Lo;0;L;;;;N;;;;;
1178D;MODI LETTER AI;Lo;0;L;;;;N;;;;;
1178E;MODI LETTER O;Lo;0;L;;;;N;;;;;
1178F;MODI LETTER AU;Lo;0;L;;;;N;;;;;
11790;MODI LETTER KA;Lo;0;L;;;;N;;;;;
11791;MODI LETTER KHA;Lo;0;L;;;;N;;;;;
11792;MODI LETTER GA;Lo;0;L;;;;N;;;;;
11792;MODI LETTER GHA;Lo;0;L;;;;N;;;;;
11794;MODI LETTER NGA;Lo;0;L;;;;N;;;;;
11795;MODI LETTER CA;Lo;0;L;;;;N;;;;;
11796;MODI LETTER CHA;Lo;0;L;;;;N;;;;;
11797;MODI LETTER JA;Lo;0;L;;;;N;;;;;
11798;MODI LETTER JHA;Lo;0;L;;;;N;;;;;
11799;MODI LETTER NYA;Lo;0;L;;;;N;;;;;
1179A;MODI LETTER TTA;Lo;0;L;;;;N;;;;;
1179B;MODI LETTER TTHA;Lo;0;L;;;;N;;;;;
1179C;MODI LETTER DDA;Lo;0;L;;;;N;;;;;
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1179D;MODI LETTER DDHA;Lo;0;L;;;;;N;;;;;  
 1179E;MODI LETTER NNA;Lo;0;L;;;;;N;;;;;  
 1179F;MODI LETTER TA;Lo;0;L;;;;;N;;;;;  
 117A0;MODI LETTER THA;Lo;0;L;;;;;N;;;;;  
 117A1;MODI LETTER DA;Lo;0;L;;;;;N;;;;;  
 117A2;MODI LETTER DHA;Lo;0;L;;;;;N;;;;;  
 117A3;MODI LETTER NA;Lo;0;L;;;;;N;;;;;  
 117A4;MODI LETTER PA;Lo;0;L;;;;;N;;;;;  
 117A5;MODI LETTER PHA;Lo;0;L;;;;;N;;;;;  
 117A6;MODI LETTER BA;Lo;0;L;;;;;N;;;;;  
 117A7;MODI LETTER BHA;Lo;0;L;;;;;N;;;;;  
 117A8;MODI LETTER MA;Lo;0;L;;;;;N;;;;;  
 117A9;MODI LETTER YA;Lo;0;L;;;;;N;;;;;  
 117AA;MODI LETTER RA;Lo;0;L;;;;;N;;;;;  
 117AB;MODI LETTER LA;Lo;0;L;;;;;N;;;;;  
 117AC;MODI LETTER LLA;Lo;0;L;;;;;N;;;;;  
 117AD;MODI LETTER VA;Lo;0;L;;;;;N;;;;;  
 117AE;MODI LETTER SHA;Lo;0;L;;;;;N;;;;;  
 117AF;MODI LETTER SSA;Lo;0;L;;;;;N;;;;;  
 117B0;MODI LETTER SA;Lo;0;L;;;;;N;;;;;  
 117B1;MODI LETTER HA;Lo;0;L;;;;;N;;;;;  
 117B2;MODI VOWEL SIGN AA;Mc;0;L;;;;;N;;;;;  
 117B3;MODI VOWEL SIGN I;Mc;0;L;;;;;N;;;;;  
 117B4;MODI VOWEL SIGN II;Mc;0;L;;;;;N;;;;;  
 117B5;MODI VOWEL SIGN U;Mn;0;NSM;;;;;N;;;;;  
 117B6;MODI VOWEL SIGN UU;Mn;0;NSM;;;;;N;;;;;  
 117B7;MODI SIGN VOCALIC R;Lo;0;L;;;;;N;;;;;  
 117B8;MODI SIGN VOCALIC RR;Lo;0;L;;;;;N;;;;;  
 117B9;MODI SIGN VOCALIC L;Lo;0;L;;;;;N;;;;;  
 117BA;MODI SIGN VOCALIC LL;Lo;0;L;;;;;N;;;;;  
 117BB;MODI VOWEL SIGN E;Mn;0;NSM;;;;;N;;;;;  
 117BC;MODI VOWEL SIGN AI;Mn;0;NSM;;;;;N;;;;;  
 117BD;MODI VOWEL SIGN O;Mn;0;NSM;;;;;N;;;;;  
 117BE;MODI VOWEL SIGN AU;Mc;0;L;;;;;N;;;;;  
 117BF;MODI SIGN VIRAMA;Mc;9;L;;;;;N;;;;;  
 117C0;MODI DIGIT ZERO;Nd;0;L;;0;0;0;N;;;;;  
 117C1;MODI DIGIT ONE;Nd;0;L;;1;1;1;N;;;;;  
 117C2;MODI DIGIT TWO;Nd;0;L;;2;2;2;N;;;;;  
 117C3;MODI DIGIT THREE;Nd;0;L;;3;3;3;N;;;;;  
 117C4;MODI DIGIT FOUR;Nd;0;L;;4;4;4;N;;;;;  
 117C5;MODI DIGIT FIVE;Nd;0;L;;5;5;5;N;;;;;  
 117C6;MODI DIGIT SIX;Nd;0;L;;6;6;6;N;;;;;  
 117C7;MODI DIGIT SEVEN;Nd;0;L;;7;7;7;N;;;;;  
 117C8;MODI DIGIT EIGHT;Nd;0;L;;8;8;8;N;;;;;  
 117C9;MODI DIGIT NINE;Nd;0;L;;9;9;9;N;;;;;  
 117CA;MODI OM;Lo;0;L;;;;;N;;;;;  
 117CB;MODI SALUTATION;Lo;0;L;;;;;N;;;;;  
 117CC;MODI DANDA;Po;0;L;;;;;N;;;;;  
 117CD;MODI DOUBLE DANDA;Po;0;L;;;;;N;;;;;

	1178	1179	117A	117B	117C
0	ं	म	छ	उ	०
1	ः	ई	ठ	घ	१
2	उ	ग	च	ा	२
3	ध	घ	च	ी	३
4	र्	उ	छ	ी	४
5	र्	उ	म	ु	५
6	ी	छ	घ	ु	६
7	ी	च	म	ु	७
8	ः	म	म	ु	८
9	ः	ज	ठ	ु	९
A	ल	ह	उ	ु	१०
B	ल	ह	र	े	११
C	अ	उ	ळ	ॅ	१२
D	अ	ढ	प	ो	१३
E	ध	ण	श	ो	
F	ध	त	ष	ो	