

## MAJOR INDIAN ALPHABETS IN NAVLIPI

### LEGEND:

- NAVLIPi equivalent: in red with yellow highlight.
- Dewanaagari (Devanagari): blue. (Used today for Hindi, Marathi, Nepali and Sanskrit.)
- Tamil: purple.
- Malayaalam (Malayalam): green.
- Baanglaa (Bengali): orange.

### VOWELS:

|            |             |               |            |               |
|------------|-------------|---------------|------------|---------------|
| a अ<br>अ   | aa०<br>अ ओ  | aa आ अ<br>आ   | i इ इ<br>इ | ii ई ऋ<br>ई ऋ |
| u उ उ<br>उ | uu ऊ उ<br>ऊ | ri ऋ ऋ<br>ऋ ऋ | l लृ<br>लृ |               |

|            |             |             |            |             |            |            |
|------------|-------------|-------------|------------|-------------|------------|------------|
| e ए ए<br>ए | ee ए ए<br>ए | ee ऐ ऐ<br>ऐ | o ओ ओ<br>ओ | oo ओ ओ<br>ओ | o औ औ<br>औ | o अँ<br>अँ |
|------------|-------------|-------------|------------|-------------|------------|------------|

|              |               |
|--------------|---------------|
| aae ऐ ऐ<br>ऐ | aaui औ औ<br>औ |
|--------------|---------------|

|            |            |
|------------|------------|
| ~ अं<br>अं | : अः<br>अः |
|------------|------------|

### CONSONANTS:

#### LEGEND:

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| articulation position     | unaspirated, unvoiced | aspirated, unvoiced                    | unaspirated, voiced      | aspirated, voiced   | nasal                |
|---------------------------|-----------------------|----------------------------------------|--------------------------|---------------------|----------------------|
| velar                     | ka क क                | kh <sub>o</sub> a ख ঞ                  | ga ग ग                   | gh <sub>o</sub> a घ | n <sub>o</sub> a ङ ङ |
| *[fricative]              | ক ক                   | খ * <sub>[x]</sub> া খ                 | গ গ * <sub>[ɣ]</sub> া গ | ঘ ঘ                 | ঙ ঙ                  |
| Palatal;                  | ca च ञ                | ch <sub>o</sub> a छ                    | ja জ ঞ                   | jh <sub>o</sub> a झ | ṇa ण                 |
| *[dental fricative]       | চ চ                   | ছ ছ                                    | জ * <sub>[z]</sub> া জ   | ঝ ঝ                 | ঞ ঞ                  |
| Retro-flex                | ṭa ट ढ                | ṭh <sub>o</sub> a ठ                    | ḍa ड ढ                   | ḍh <sub>o</sub> a ढ | ṇa ण                 |
| *[flap]                   | Ṭ ট                   | Ṭ ঠ                                    | * <sub>[ḍ]</sub> া ড     | ḍh <sub>o</sub> া ড | * <sub>[ṇ]</sub> া ণ |
| dental                    | ta त ढ                | th <sub>o</sub> a থ ম থ                | da द ढ                   | dh <sub>o</sub> a ध | na न ढ,              |
|                           | ত ত                   |                                        | ড দ                      | ধ ধ                 | না ন                 |
| Bi-labial;                | pa प प                | ph <sub>o</sub> a, ph <sub>8</sub> a फ | ba ब प                   | bh <sub>o</sub> a भ | ma म ম               |
| *[labio-dental fricative] | প প                   | ফ ফ                                    | ব ব                      | ভ ভ                 | ম ম                  |
|                           |                       | * <sub>[f, ph<sub>8</sub>]</sub> া ফ   |                          |                     |                      |

### SEMI-VOWELS AND FRICATIVES:

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|            | palatal        | central:<br>alveolar/-dental;<br>retroflex | Lateral:<br>alveolar/-<br>dental;<br>retroflex | bilabial      |
|------------|----------------|--------------------------------------------|------------------------------------------------|---------------|
| Semivowel→ | ja य ङ ञ<br>য  | rra র ৠ ৡ ৢ<br>*[rrr ৠ ৡ]                  | la ল ৱ ৲ ৳<br>ল ৴ ৵ ৶<br>৷ ৸ ৹                 | vwa ব ৱ<br>৲  |
| *[ trill ] |                |                                            |                                                |               |
| Fricative→ | sh_φa শ<br>শ ৷ | th_φa ষ ঞ<br>ষ ৷                           | sa স ৷<br>স ৷                                  | ha হ ৷<br>হ ৷ |