L2/15-248

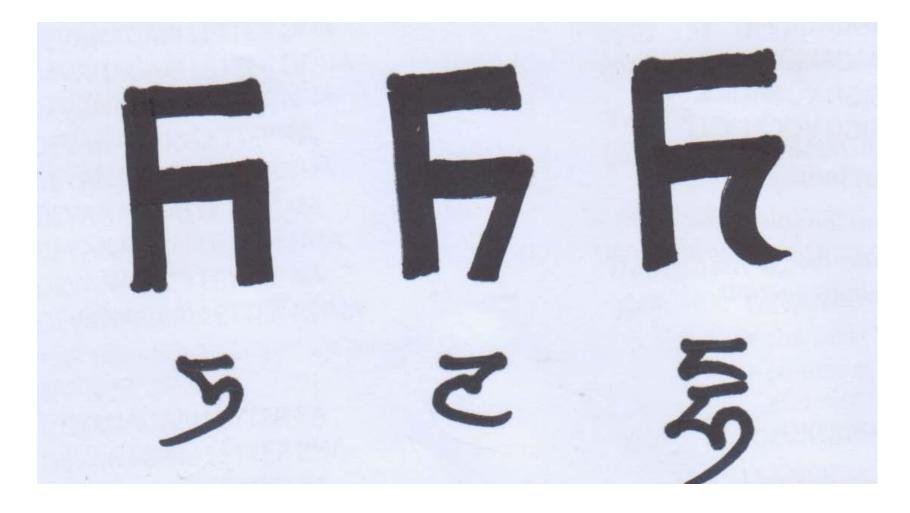
The Comments on Square script & Soyombo encoding project

R.Otgonbaatar /Research Scholar/ S.Demberel/M.Sc/

The Comments on square script & soyombo encoding project

- There is no alphabet containing every symbol, mark, glyphs of particular language. There will be many symbol, mark, glyphs appear in the ancient texts, which are not contained in the alphabet.
- Source texts of soyombo and square scripts required careful study and every symbol, mark and glyphs included in the encoding project.
- Careful study should conducted on the source texts of soyombo and horizontal square script. There might be some errors in the writing texts.
- How to encode the scripts and glyphs created later period, which are not included in the Undur Gegeen's syllabary.
- Would it will be possible to add new glyphs and letters to encoding project (see slide 4,5,7,10)
- How to solve letters were used in wrong way in the old texts. For example: Horizantal Square script SSA used as VA (see slide 15,16)
- How to resolve different glyphs of same letter? Example: Soyombo "Ta" letter (See slide 29) One glyph for one letter?
- To add insertion and annotation mark/see slide 12,13,17,19,24,28,29,30,31,32,33,34/
- How to use same letter in Mongolian, Tibetan, Sanskrit language in Microsoft word, ppt programs?
- Would you consider the that linguistic aspects of Soyombo and Horizontal Square initial letters are same?

Encode carefully similar glyphs of different letters. For example:

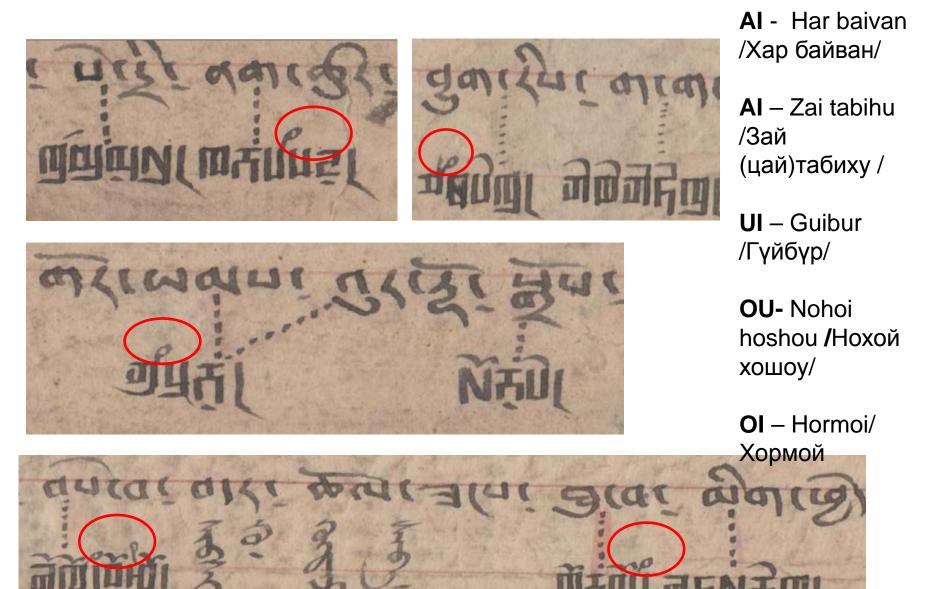


11A19 "TA", (da)

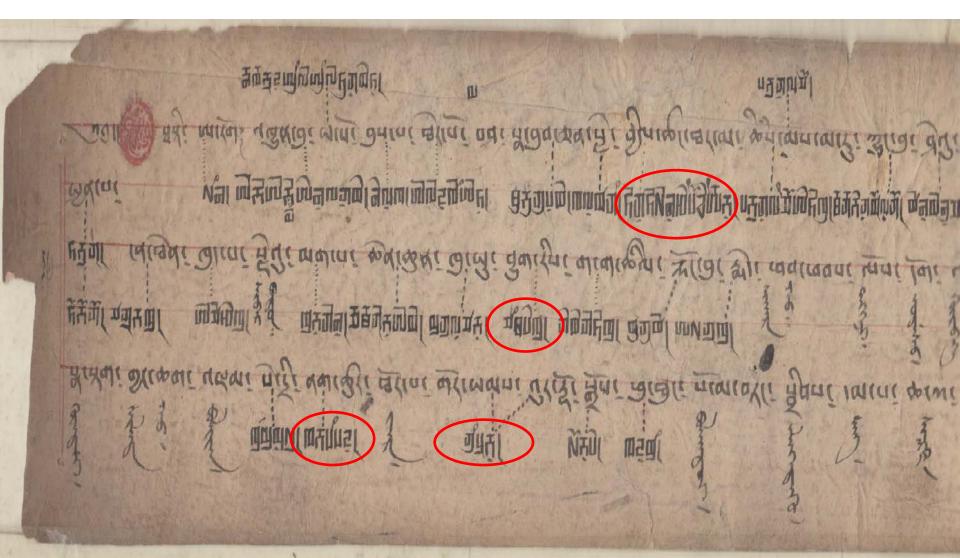
11A14 "TTA",

11A1C "DHA"

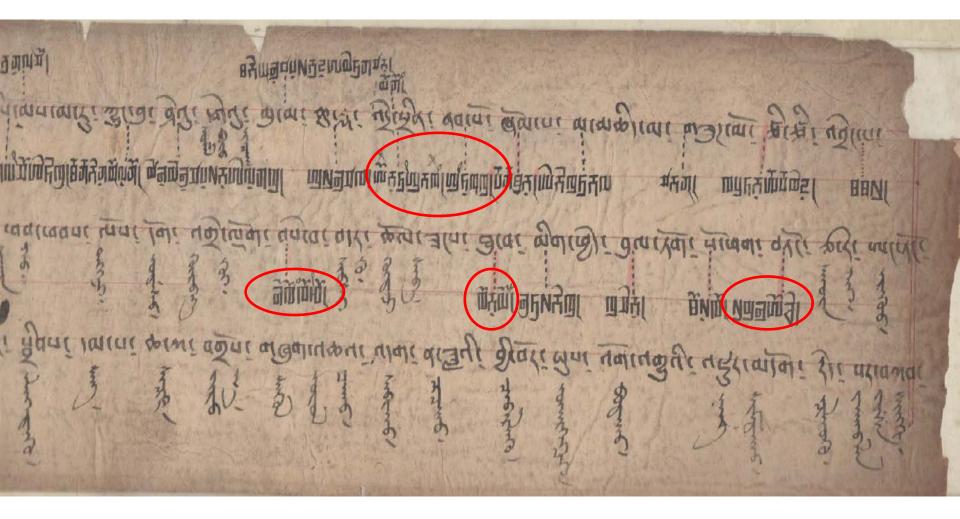
To add new glyphs for Mongolian "AI, UI, OU, OI" diphthongs in horizontal square script / Navchin ongi- (Leaf bindu+ hook , zartig) ?/



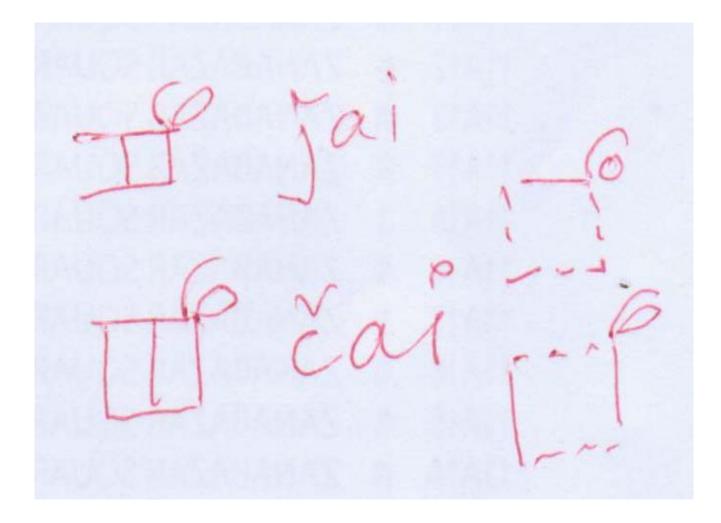
Example of Mongolian diphthongs in Horizontal square script/degdesen shibo ni our, zai tabih, har baiban, guibur/



Example of Mongolian diphthongs in Horizontal square script/ (орду уурхай уйтхаху) reversed Na used in Mongolian word(sumnii oni)



To encode Mongolian diphtongs (Z-"ai", Ts-"ai") in horizontal square script



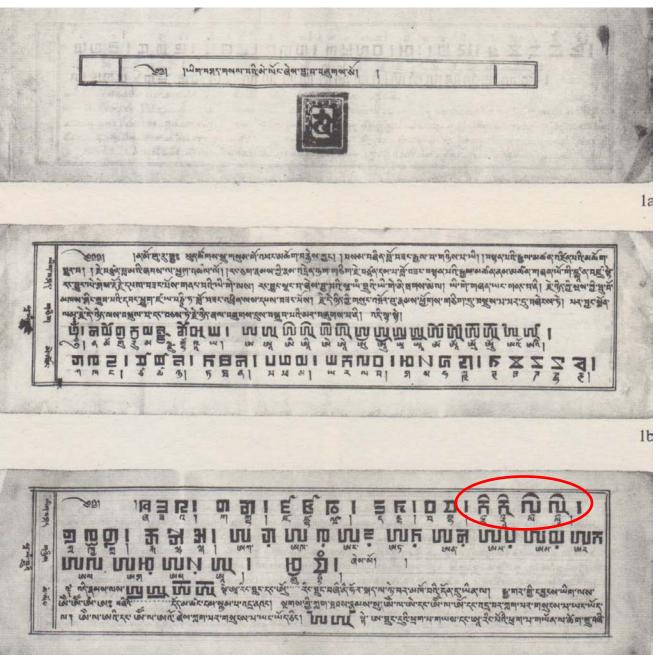
Example of Mongolian letter Ч, Ц, НЯ /Ch, Ts, Nya/ (example of nya in Mongolian words are not mentioned Anshuman's project) We should consider this incidents

26

The comment on the name of Zanabazar's square script

- Traditional Mongolian language: A script was not called by its author and given person's name on script(didn't use as determination of scripts) For example: New and old square scripts /In old Tibetan textual source mentioned it: hor gyi yi ge rnying pa, hor gyi yi ge gsar pa / New square script
- In oral tradition of Mongolian clerks: Undur Gegeen's square script
- Mongolian Academician B.Rinchen: Hevtee durvuljin useg (*Horizantal square script*)
- We prefer the last name of the script.

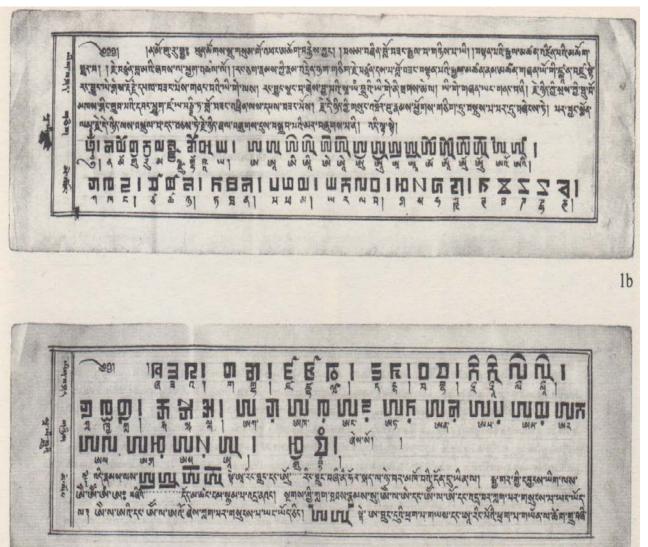
Zanabazar Reversed Vowel Sign I



 Instead of Zanabazar Reversed Vowel Sign I
Should encode those letter

- Vocalic R
- Vocalic RR
- Vocalic L
- Vocalic LL

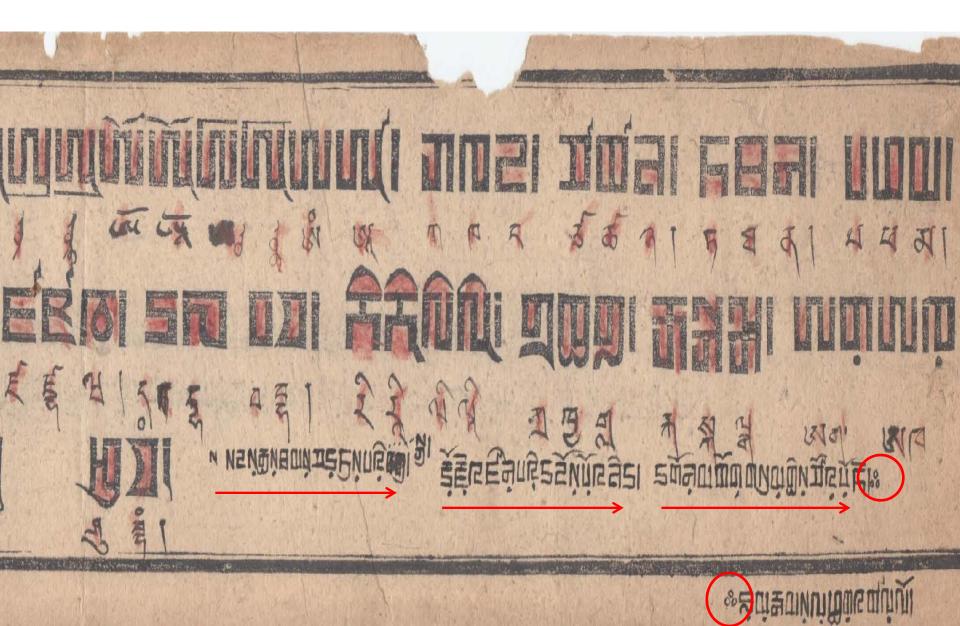
Add new letters for Square script encoding



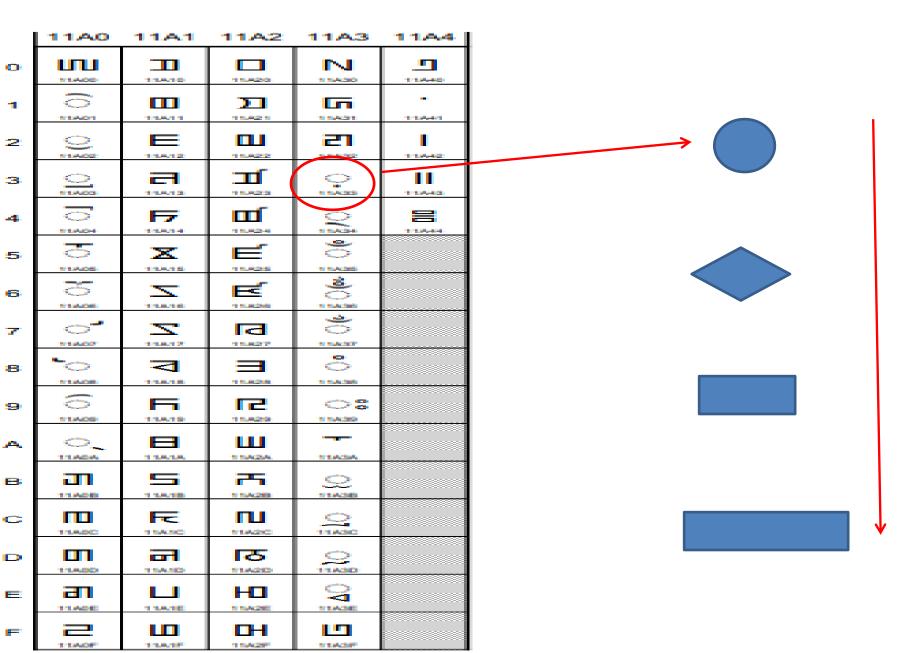
1.Damaru rtags can,

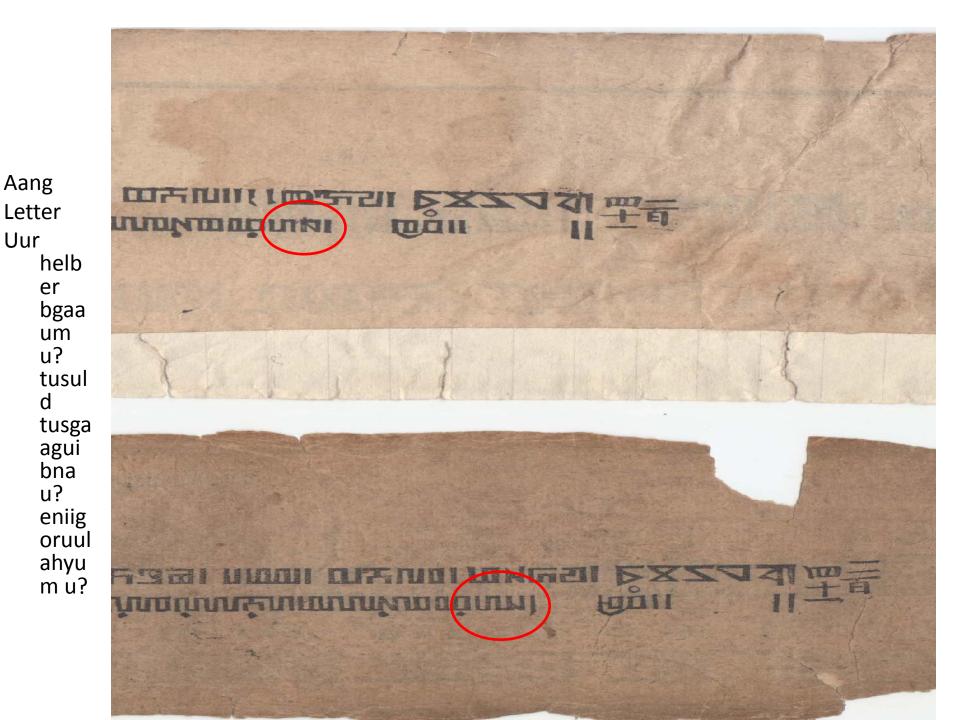
- 2.Glang chen myos bum,
- 3.Long elongated mark pluta

Square script/ Halant —is it used for tseg or halant? 1. Zanabazar square final consonant mark, 2. Insertion mark



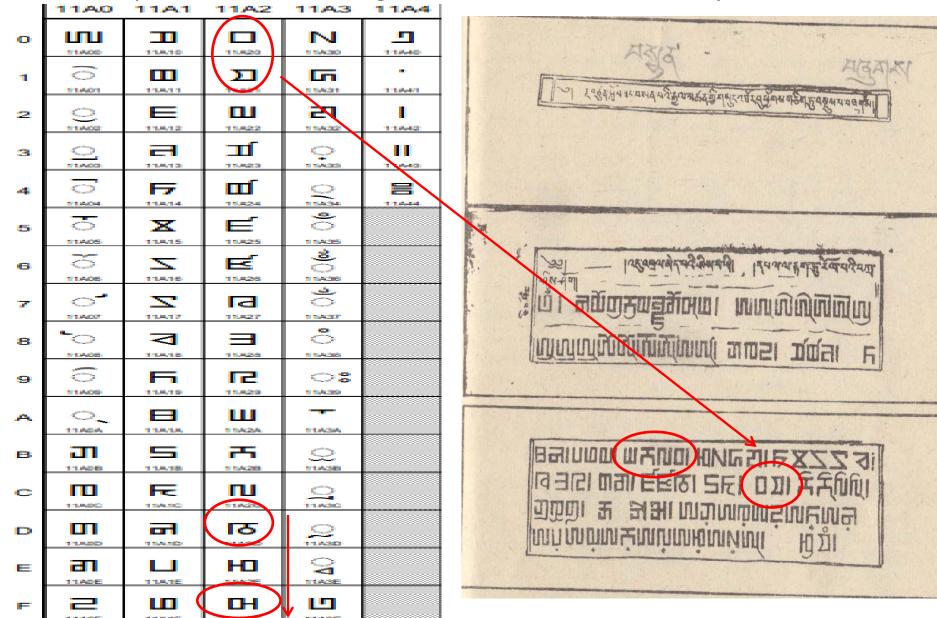
• Variants of Zanabazar square final consonant mark



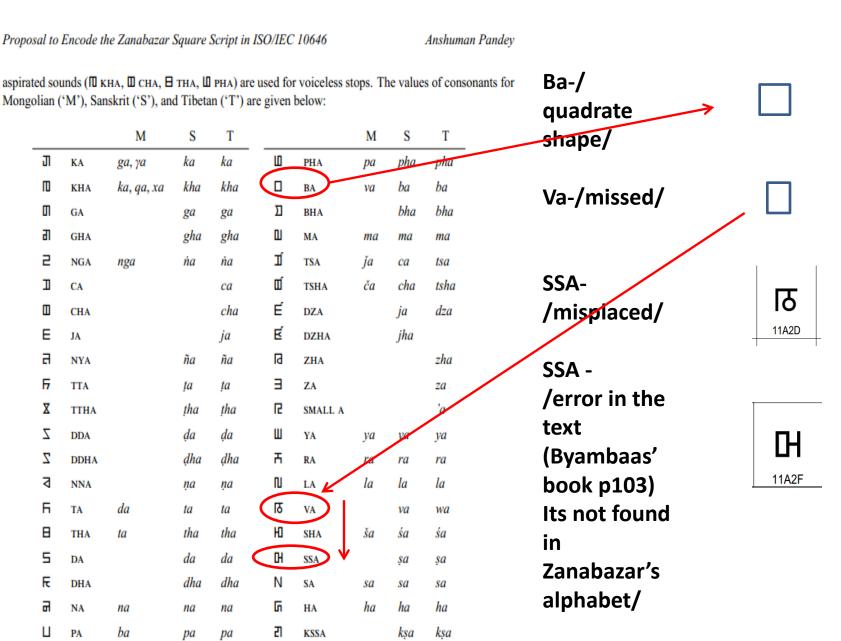


11A2D Zanabazar square letter VA or SSA

/Alphabetical order disoriented, letter VA missed, traditional glyph of SSA mispronounced, wrong form of SSA is found in Byambaas' book/



Alphabetical order disoriented in Horizontal square script/some letters missed, misplaced,

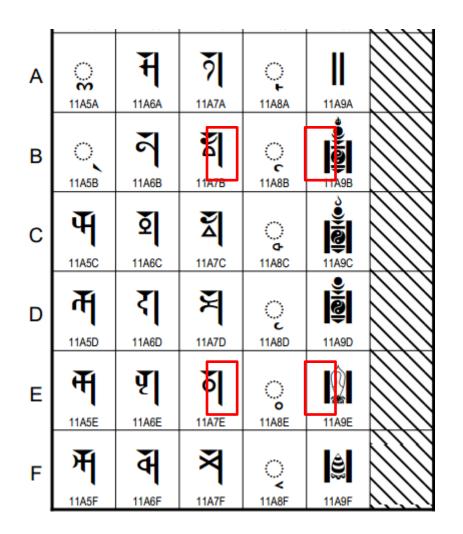


The comments and proposals on Soyombo encoding

- 11A55
- Variant of the glyph of soyombo vowel sign O

201 12 3 GH 21 Z स्रि व म म या या या। दिस ये 지리

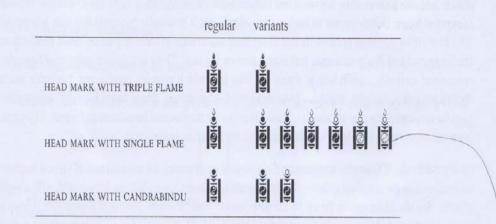
The glyph of vertical lines in the Letters should be same proportion/dimension in Soyombo encoding project



- Head mark
- The vertical columns should in same proportion.
- The glyphs of Letters should be in same proportion, because its written by same bamboo pen.

Soyombo head mark /variant of center elements/

The following glyphic variants have been identified in the available sources (see table 12):

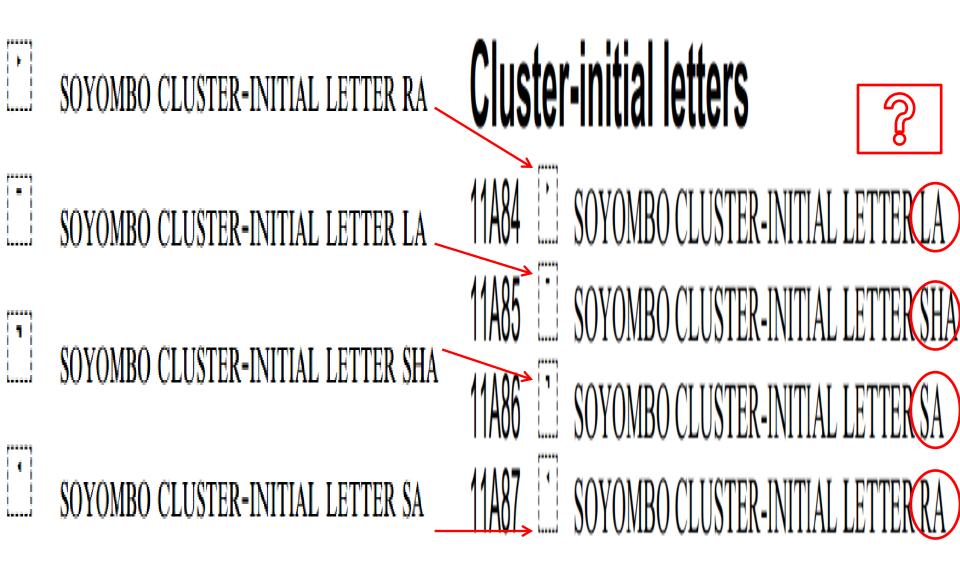


There is no known semantic distinction between the is 'black' and is 'white' forms of the head-mark base. The differences between the normative and variant forms are stylistic. The primary point of variation is the style of the e center element, which has a 'solid' variant. There is a 'white' variant that also has a 'solid' form. The 'solid' forms lack the 'hollow' points found in the halves of the normative center elements. The other point of variation is the 'black' and 'white' forms of the *candrabindu*. These variant forms

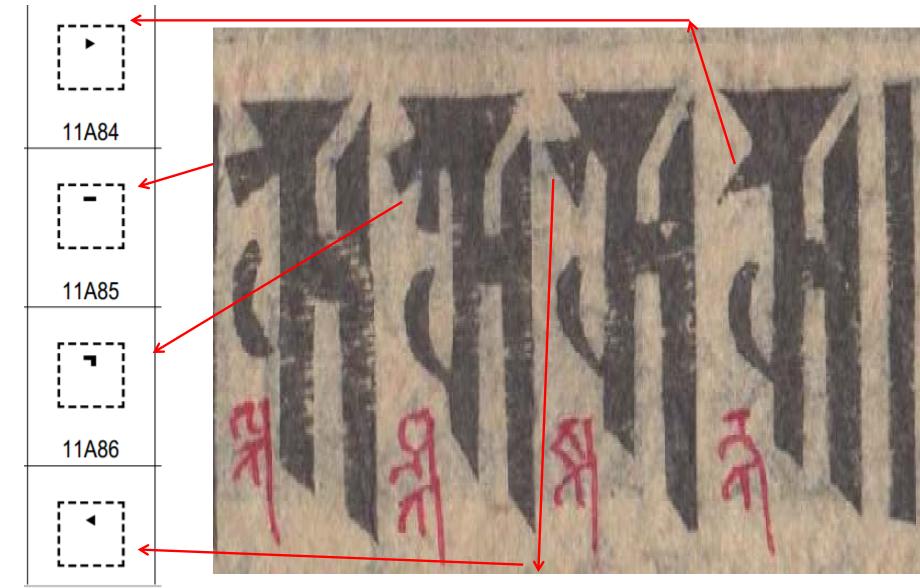
Center element also has white and black conjunct variant

17

The glyphs and pronunciation of those cluster-initial letters mixed up on page 13 and 28 in Soyombo encoding



The right proportion and dimension of the glyphs of the la,Sha,Sa,Ra, cluster initial letters/ they joined perpendicular from bottom of gemination mark (45'x90')



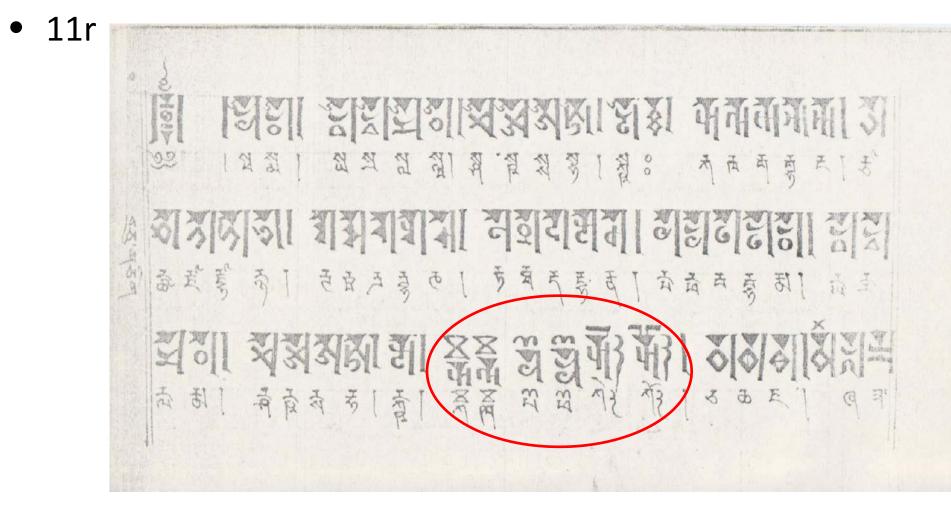
There should be no gap and split in the frame of those conjuncts

Examples of conjuncts with these six letters in non-initial position are:

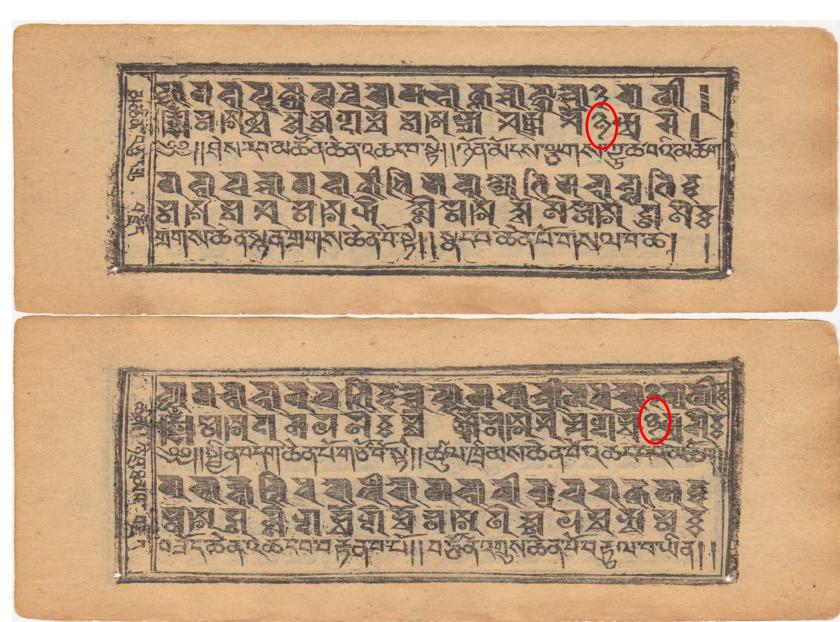
tka	F2	<∛ TA, 🖸 SUBJOINER, ♥KA>
skha	र्द्रम्	<┦ ta, ♀ subjoiner, ┦ka> <犭 sa, ♀ subjoiner, ┦kha>
dga	۲ ۴	<지, 교 Solid Hain, (Hain) <지, 오 Subjoiner, 에 GA> <지 DDA, 오 Subjoiner, 에 GHA> <지 DDA, 오 Subjoiner, 에 NGA> <지 Subjoiner, 에 HA> <지 Subjoiner, 에 KSSA>
bgha	۲ ۲	<可BA, Q SUBJOINER, 利GHA>
dňa	Į	<┦dda, ♀ subjoiner, ┩nga>
lha	N.C.	<判la, I subjoiner, 科ha>
<u>şkşa</u>	रू भू	<ঈ ssa, ♀ subjoiner, ₽ kssa>

- If there are two different letters in the conjuncts, no split and
 gap in the frame
- If there are same letters in the conjuncts, split and gap should be in the frame

The cluster letters in Soyombo script /1.Damaru rtags can, 2.Glang chen myos bum, 3.long elongated mark pluta



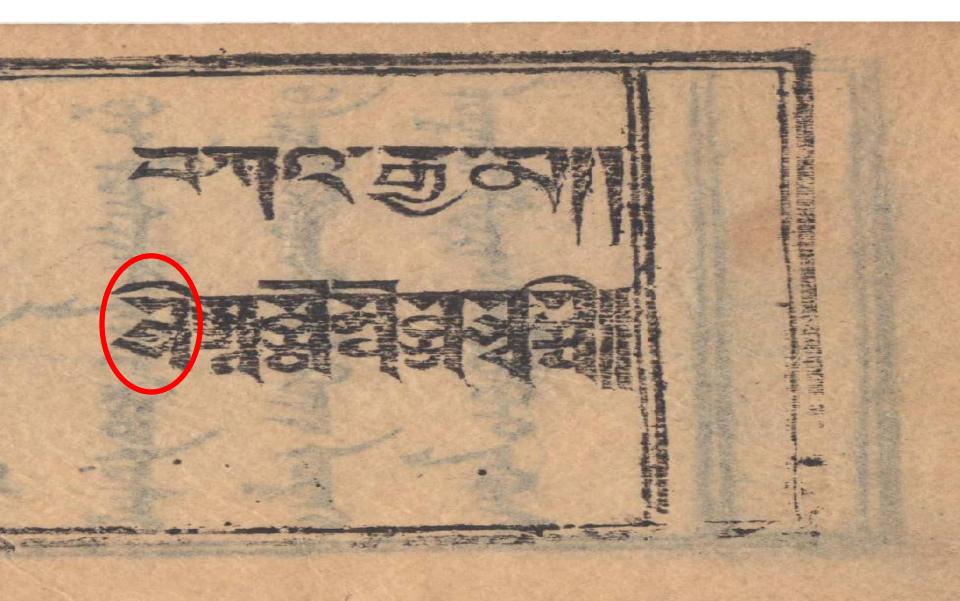
Long elongated mark pluta in The Manjusri Nama Samgiti text



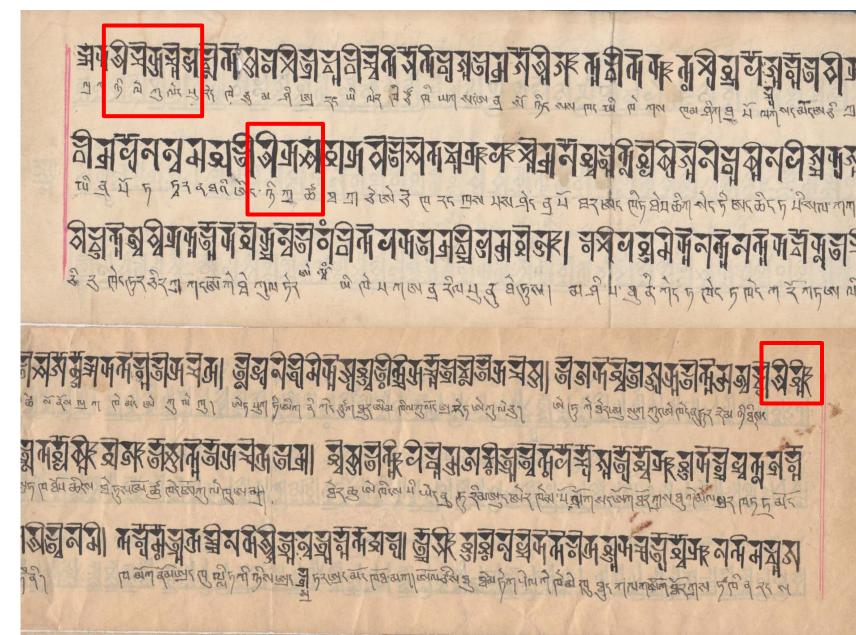
19r

20r

11A65"Nya" letter used in Mongolian word written by soyombo in xylography /ni guts temdeg tu zarlig/ We should consider this incident



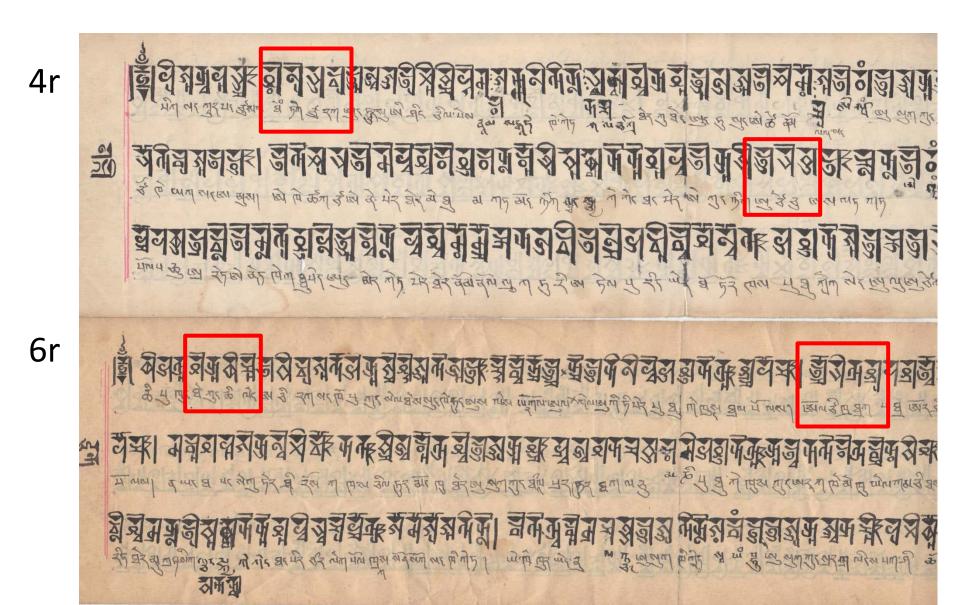
11A65"Nya" letter used in Mongolian word (History of Soyombo script/handwriting)



4v

6v

Example of C,Ch J,Z letter in old Mongolian text



The complete work of Zanabazar (sbrul shad-mogoi shad/separates section of meaning equivalent to topics and subtopics) Neg usegiig anhaarah

Pages

• 49v

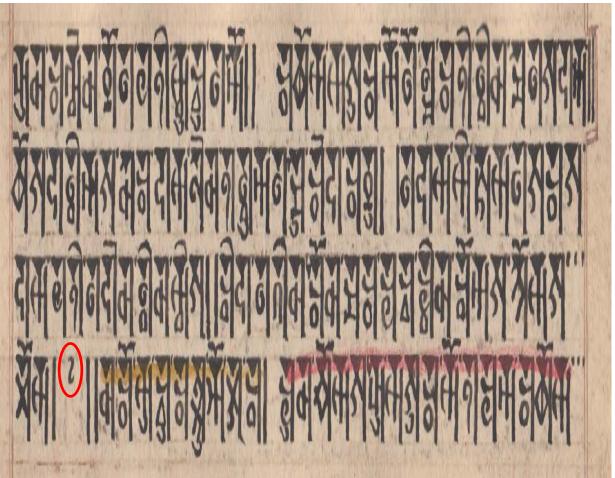
• 50r

। इंगिलमलेन ननै में मईंगा। सुझ सेंसे मुझ ख स्वयम्भ हेंगा। सम् मुंग यस्मिम यसम्बद्ध गा। साम क्रें मुझ ख मंग क्रम म समयम्म यसम् साम साम साम काम काम काम का समय का म राज्य साम काम साम साम काम काम का सिम या का में म राज्य साम काम साम साम काम काम का सिम का माम समय साम का माम काम साम काम का माम का माम का माम साम का माम का माम काम काम का माम का माम का माम साम का माम साम का माम साम का माम साम का माम साम का माम साम का माम साम का माम साम का माम साम का माम साम का माम का

• 51r

The complete work of Zanabazar, R.Otgonbaatars' collection Ev vam/Wisdom and method/ shad mark

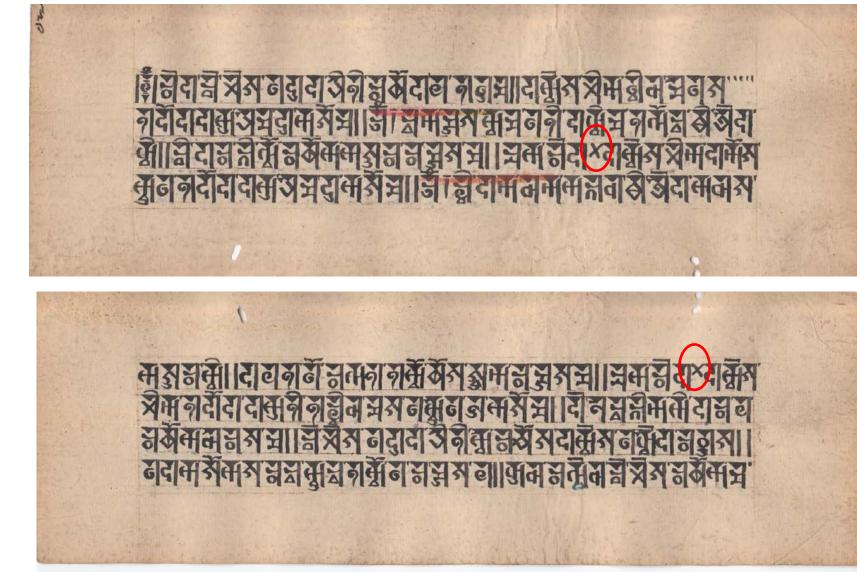
19v



Same letter different glyphs 11A6C Soyombo letter THA



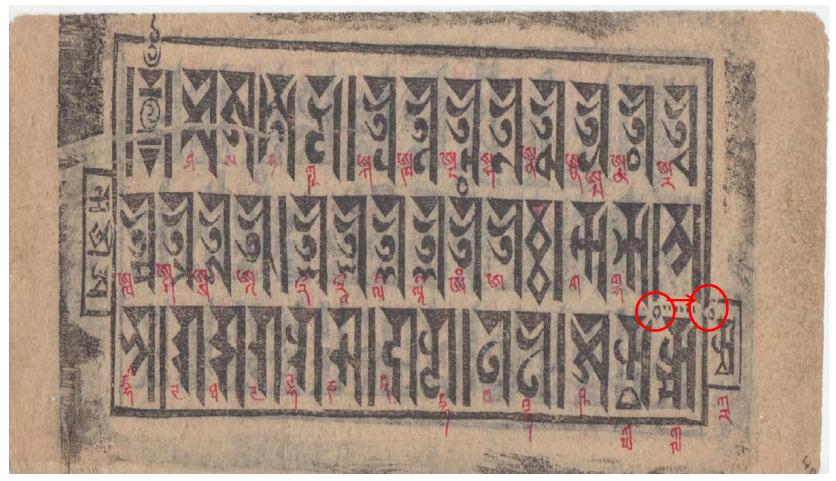
The complete work of Zanabazar, R.Otgonbaatars' collection /Annotation marks/



39r

39v

Syllabary of Soyombo Insertion and annotation marks/ Dusal tig,Bindu(Tibetan Rdel dgar gcig), tsuvaa tseg(dot line)



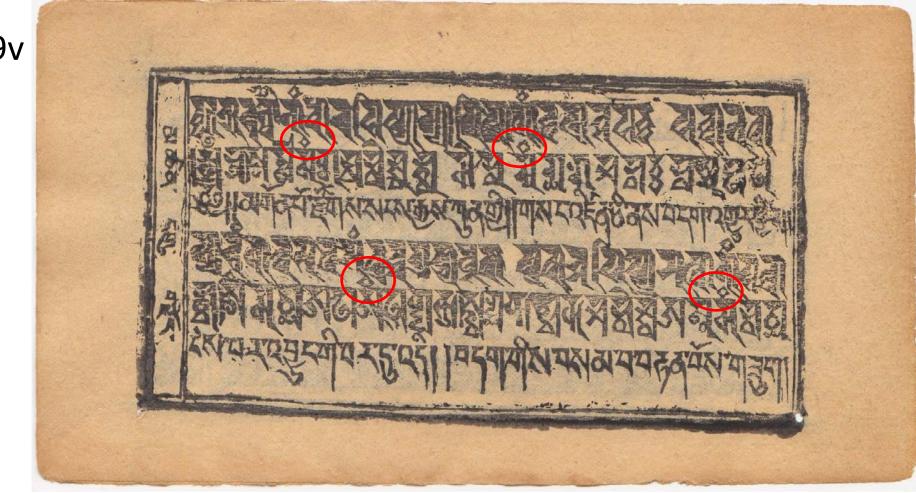
Arya sanmukha nama dharani/Hutagt 6n uudnii togtool (shad with tooth glyph/different forms of cluster initial letter of Ra in writing Sanskrit)

Page **दि**त्वे से र रा भे म म म म म - इत्र हम G Z 2.212 9r T 25

7v

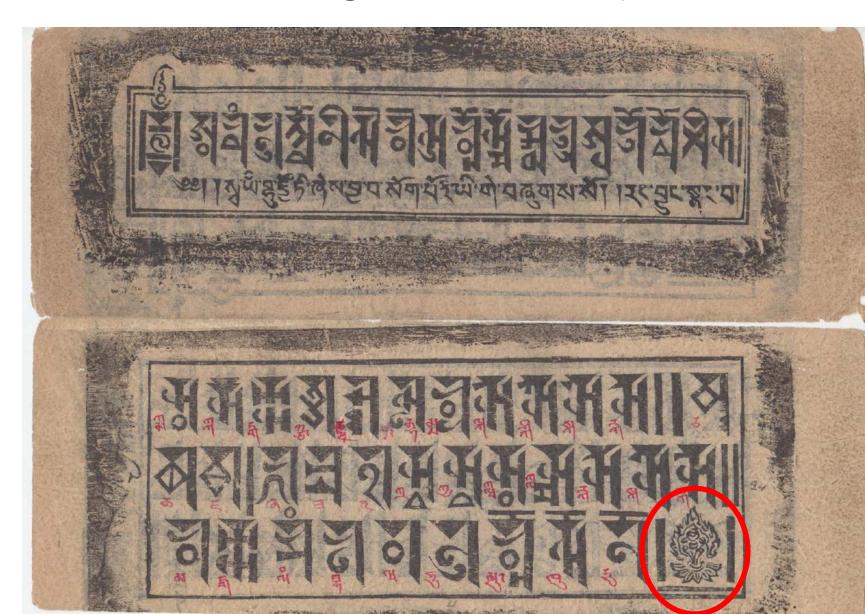
8v

The Manjusri Nama Samgiti/Other variant of Anusvara mark



9v

Syllabary of Soyombo / (Chintamani Padma shad- ending Terminal mark)



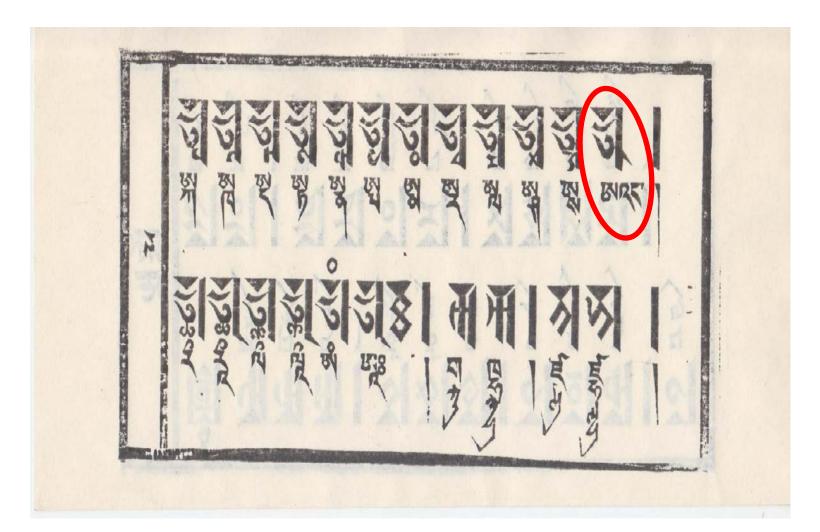
2v

1r

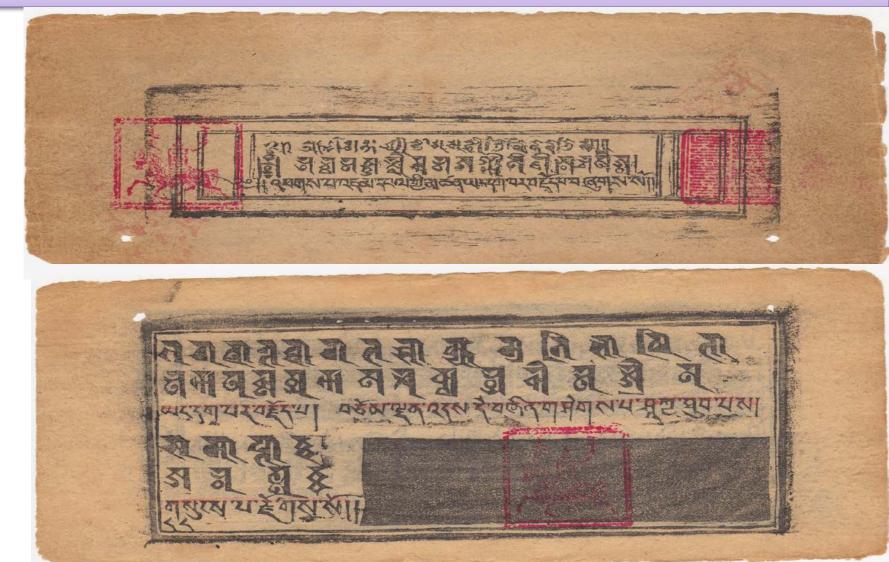
Syllabary of Soyombo R.Otgonbaatars' collection / The different versions of glyphic variants of Sa ,Ra, la, cluster initial letters should add in encoding /Soyombo tseg mark/

5v या अञ्च अञ्च च च च च च मा भ जा जा जा मा भा मा मा मा र्मेमा भाषा में भाषा रे राखे रेंचा के खाछे के सम 6r N.A.A. चित्रायता चाता लचा मुद्धा दीमा । राह्य राखा दीता के देवा जहा माझ खेमा अमा अमा अभ्य मा भा

Soyombo supplement "Aang" Letter form/eniig buten helbereer ni oruulah u? esvel uur helber huvilbaraar ni oruulah yum u?



The Manjusri Nama Samgiti



// bhagavat-tathāgata-Śākyamunibhāşitā bhagavato Mañjuśrī-jñānasattvasya paramārthā nāmasamgītih parisamāptā // /bcom ldan 'das 'jam dpal ye śes sems dpa'i don dam pa'i mtshan yaṅ dag par brjod pa/bcom ldan 'das de bźin gśegs pa Śā-kya thub pas gsuṅs pa rdsogs so/ Finished is the supreme rehearsal of names of Mañjuśrī the knowledge-being Lord, as promulgated by the Lord Tathāgata Śākyamuni.

88v

1r