



Government of Bagmati Province
Ministry of Physical Infrastructure Development
Transport Infrastructure Directorate
Hetauda, Makawanpur



**THE ESTABLISHMENT, DESIGN AND PLACEMENT
OF ROADSIDE KILOMETER POST**

Signature

प्रतिष्ठा न्यौपाने
(सि.डि.ई.)

वे.प.नं.: ७९११ "सिभिल" "क"

Signature
संस्कार प्रकाशक
प्रकाशक

Signature

Er. Navin Kumar Singh
Director
NEC No. 3681 "Civil" "A"

NOVEMBER 2025





TABLE OF CONTENTS


1. INTRODUCTION.....	1
2. ROAD REFERENCING / PROVINCIAL ROAD CODING.....	1
3. ROAD KILOMETER STONE INFORMATION DETAILS.....	1
4. MATERIALS FOR KM STONES.....	2
5. PLACING OF KM STONES.....	2
6. COLOURING.....	2
7. SIZE OF LETTERS AND NUMERALS.....	2
8. LANGUAGE.....	3

APPENDICES

ANNEX 1	DESIGN DETAILS FOR 5 TH KM POST
ANNEX 2	DESIGN DETAILS FOR STANDARD KM POST
ANNEX 3	KM POST PLACEMENT DETAIL


प्रतिष्ठा नवोपाने
(वि.डि.ई.)
वे.स.सं.: ७९९९ "विश्व" "क"


संस्था सचिव
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1. INTRODUCTION

Road Kilometer Stones usually have following two functions:

- (a) The physical establishment of road referencing system on the road network for use by those concerned with the network.
- (b) The conveyance of information, particularly regarding location and distance, to the travelling public.

2. ROAD REFERENCING / PROVINCIAL ROAD CODING

The road referencing system categorizes roads through the use of series of letters and numerals as follows:

- (a) Provincial Highways are coded with PH-XX-YYY. The "PH" denotes the provincial highway, "XX" provincial abbreviation and "YYY" is a serial number for each provincial highway in a province. E.g. PH-BG-001 represents the provincial highway in Bagmati Province for serial no. 001.
- (b) Provincial Roads are coded with PR-XX-YYY which is similar to the provincial highways. E.g. PR-BG-001 represents the provincial road in Bagmati Province for serial no. 001.

3. ROAD KILOMETER POST INFORMATION DETAILS

Each standard kilometer stone should contain the following road reference and location information:

- (i) Road reference
- (ii) Distance in km from the node point
- (iii) Next town name or landmark
- (iv) Distance in km to the next town or landmark
- (v) Other town or landmark (for 5 km stone only)
- (vi) Distance in km to other town or landmark (for 5 km stone only)
- (vii) The chainage from the start of the road i.e. 0+000 km

- Road reference will be constant for each road. This information is shown on the top face of each kilometer stone within the semi-circle. (see annex 1 and 2)
- The kilometer distance from the node point will be different for each km stone within the road link and this figure should be painted on the roadside edge of each km stones. (see annex 1 and 2)
- The name and distance to the next town or landmark should be painted on each face of the km stone below the semi-circle. (see annex 1 and 2)
- The total chainage from the start of the road will be shown on the outside edge of each km stones. This information is mainly used for the concerned authority for reporting purpose and will not be visible to the passing vehicles and passengers.

4. MATERIALS FOR KM POST

- Reinforced cement concrete of grade M20 (1:1.5:3) should be used for the construction of both the standard and 5 km stones. (see annex)
- HYSD bars of grade Fe500 Should be used as the reinforcement steel. (see annex)

5. PLACING OF KM POST

- The km stones shall be placed at the right angles to the centerline of the carriageway. On embankments, they shall be located on the edge of the roadway at least 0.5m outside the road shoulder. Where there is no shoulder, the km stones shall be at least 1.5m outside the road edge, if necessary on erected platforms. In cut sections, they shall be fixed clear of the shoulders as well as the side drains.
- Km stones shall normally be placed on left hand side of the road as one proceeds from East to West and from South to North. On divided roads with a central median, the km stones should be placed on the left hand side of the road in each direction of travel. However, in hilly areas, where the road has a valley on one side and a hill slope on the other, the marker stones shall always be placed on the valley side of the road.

6. COLOURING

- The background colour shall be white with black letters and numerals for names of towns, landmarks and distances. The semi-circular portion of km stones shall be painted brilliant green (IS Shade 221) on provincial highways and light orange (IS Shade 557) on provincial roads.
- Letters and numerals written on semi-circular portion shall be in black colour on light orange background and in white colour on sea green background.

7. SIZE OF LETTERS AND NUMERALS

Height of letters for place name (location)	-----	80 mm
Height of numerals for kilometrage	-----	130 mm
Height of letters and numerals for road reference	-----	70 mm
Height of numerals for kilometrage from node point (roadside edge)	-----	100 mm
Height of numerals for chainage (outside edge)	-----	50 mm

- The overall width of letters and numerals will be approximately equal to two thirds of their height.
- The width (thickness) of writing as well as spacing between letters and numerals should be approximately one sixth of the height.

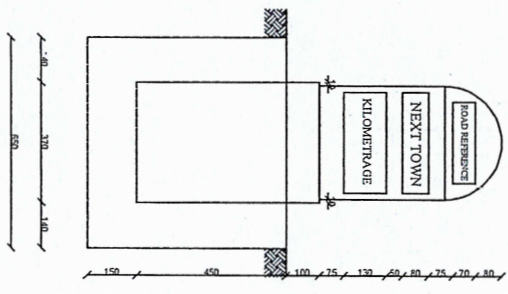
8. LANGUAGE

- The road reference information on the semi-circular portion of all km stones shall be written in English.
- Place name and km numerals in alternate km and 5 km post shall be written in Nepali and English.
- The kilometer markings on the face of the post shall have the suffix "km".

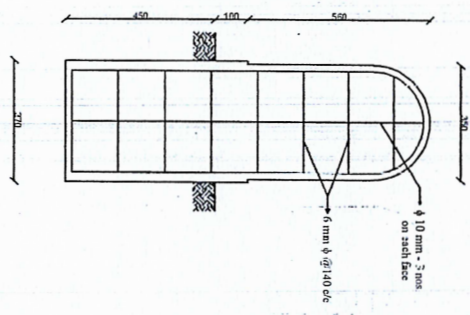
प्रतिभा न्यौपाने
(सि.डि.ई.)
ने.प.स.नं.: ७९९९ "विशाल" "क"

इन्टर जेनरल प्रोसेसिंग
पब्लिशिंग

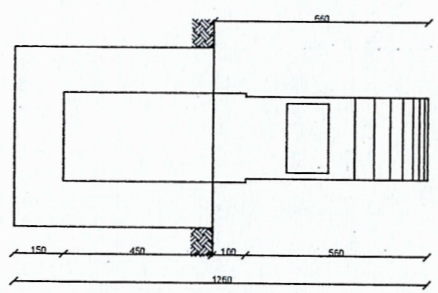
Dr. Navin Kumar Singh
Director
NEC No. 3681 "Civil" "A"



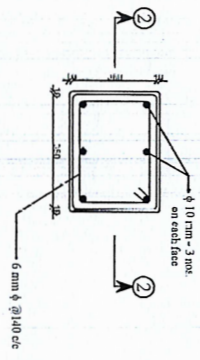
FACE ELEVATION
1 & 2



SECTION AT 2-2



SIDE ELEVATION



SECTIONAL PLAN

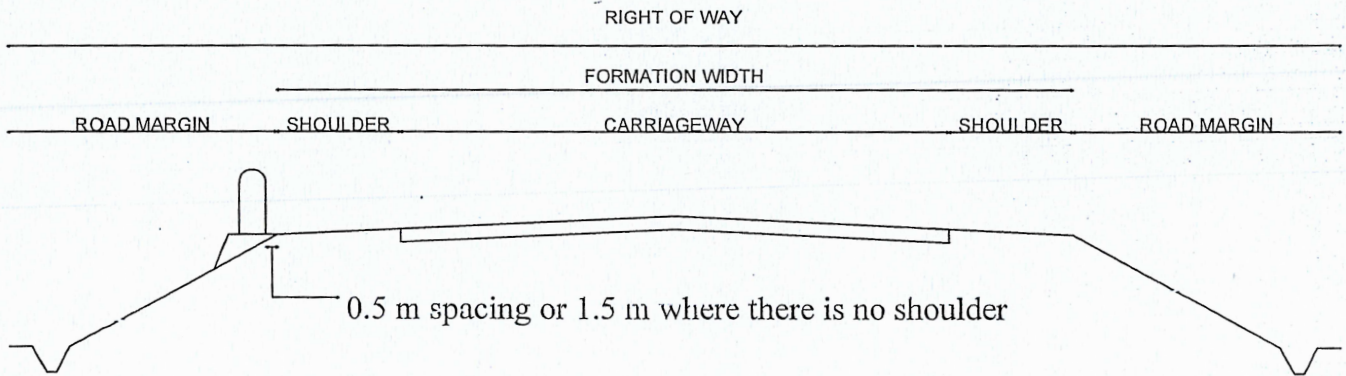
NOTE:
1. All dimensions are in mm unless otherwise stated.
2. Alternate km and 5th km post will be in Nepali and English Language.



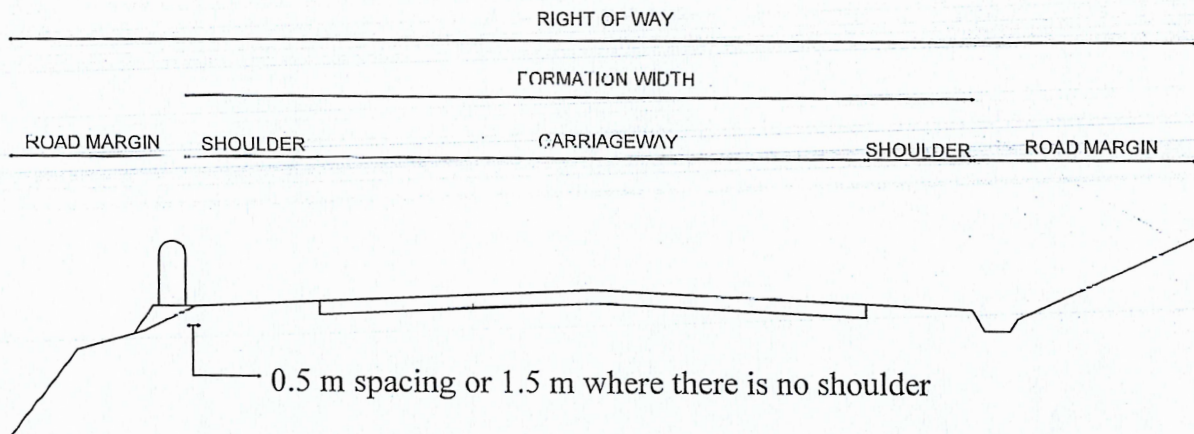
Handwritten signature and stamp: श्रीमान् नवीन कुमार शिवाजि 'A' (श्री.दि.सं. 16/१११ 'सि.सि.सं. 'अ')
श्रीमान् नवीन कुमार शिवाजि 'अ'
श्री.दि.सं. 16/१११ 'सि.सि.सं. 'अ'

DESIGN FOR STANDARD KM POST

Handwritten signature and stamp: E.F. Navin Kumar Shrivastha
Director of 'Civil "A"
NEC No. 3681 'Civil "A"

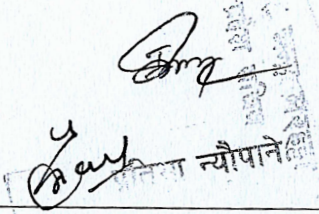


PLACING OF KILOMETER STONE IN
PLAIN AREA

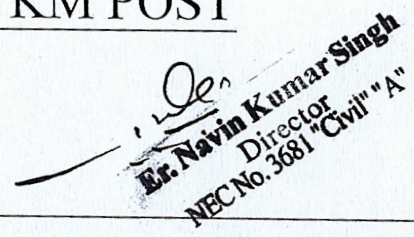


PLACING OF KILOMETER STONE IN
HILLY AREA

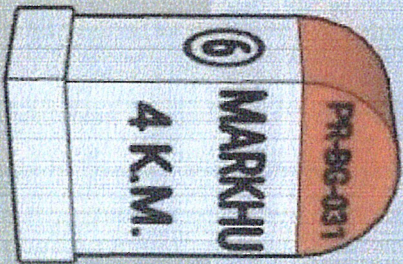
LOCATION OF KM POST



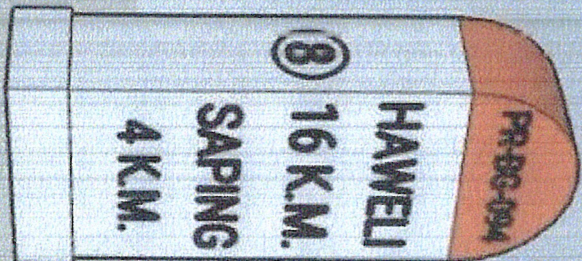
 न्यौपाने



Er. Navin Kumar Singh
 Director
 NEC No. 3681 "Civil" "A"



**STANDARD
 KM POST**

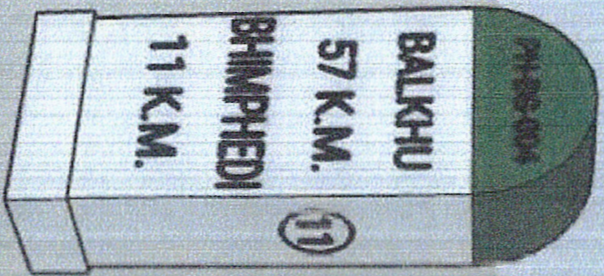


**FIFTH
 KM POST**

नमः प्रस्तावितः ०९९९९ "कमिनि" "प्र"

प्रस्तावितः (प्र.प्र.सं. १)
 प्रस्तावितः प्रस्तावितः प्रस्तावितः प्रस्तावितः

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**FIFTH
KM POST**



**STANDARD
KM POST**

Handwritten signature
सहायक सचिव
सिंह राणा

प्रतिभा न्युन
(वि. वि. सं.)

संख्या. नं.: ७९९९ "कतिना" अ.प.

Handwritten signature
Smt. Navin Kumar Singh
Director for "A"
NEC No. 3681

