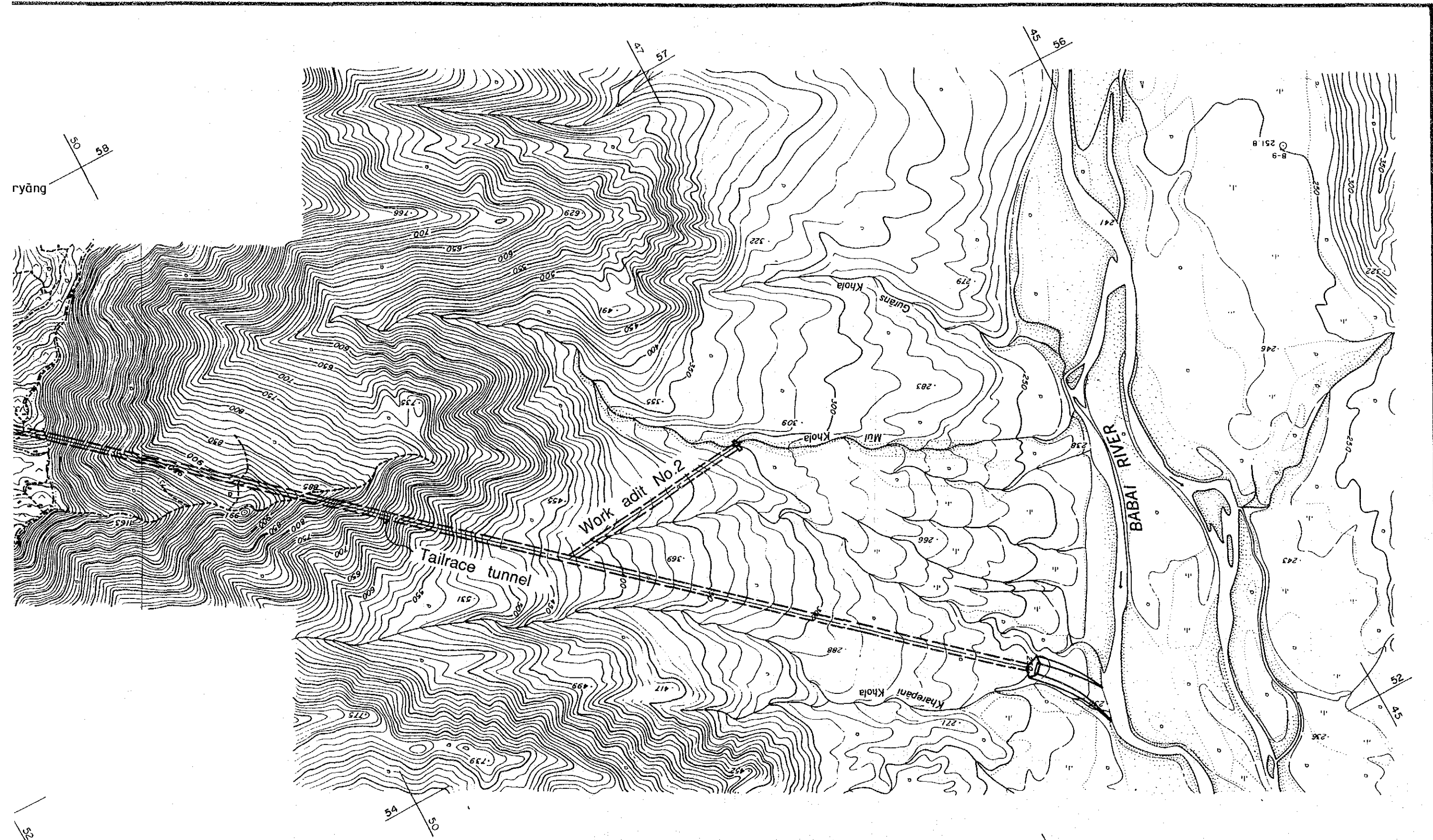
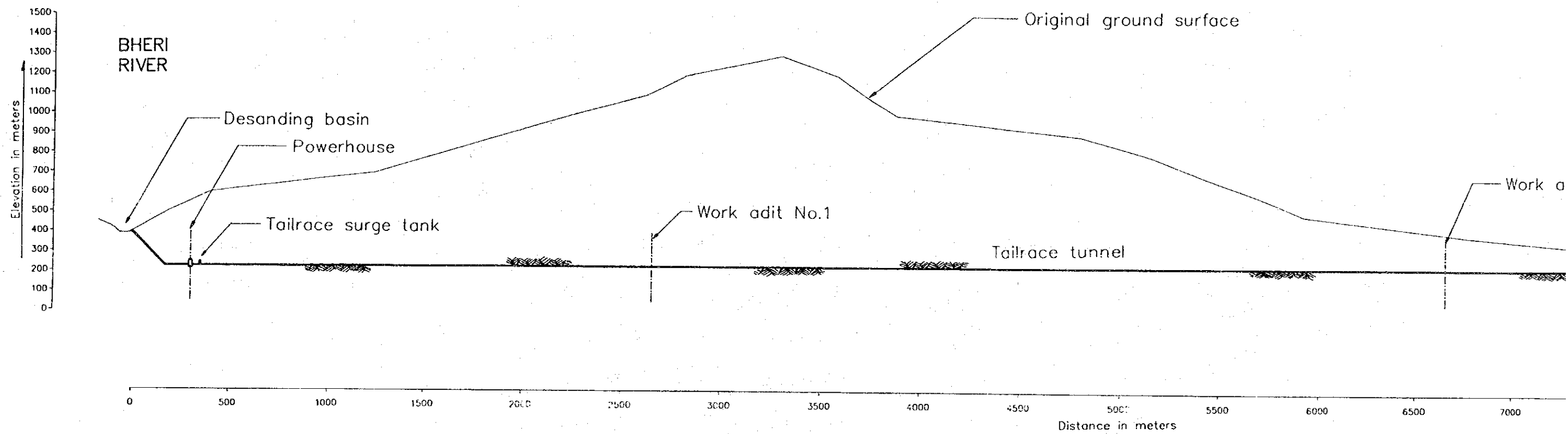


Figure 2.4.1 General Layout of BR-1 Scheme

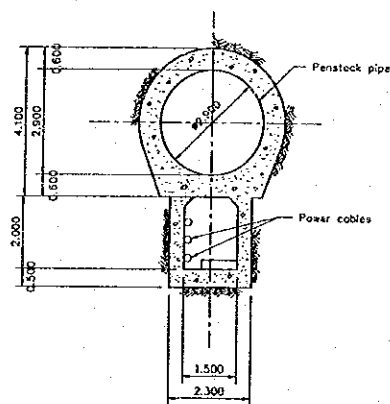


BARDIYA DISTRICT

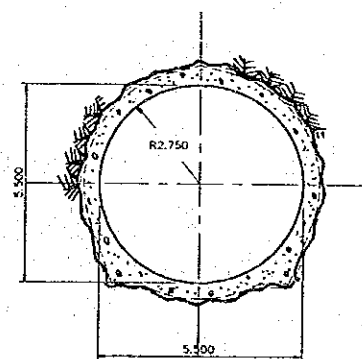
HIS MAJESTY'S GOVERNMENT OF NEPAL  
 WATER RESOURCES DEVELOPMENT OF  
 THE UPPER KARNALI RIVER AND MAHAKALI RIVER BASINS  
 JAPAN INTERNATIONAL COOPERATION AGENCY



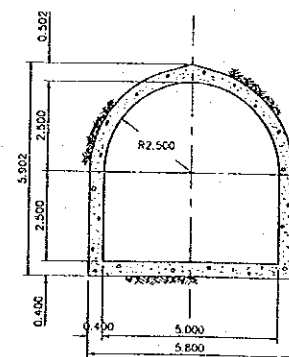
Profile of Waterway



Typical Cross Section of Penstock Line

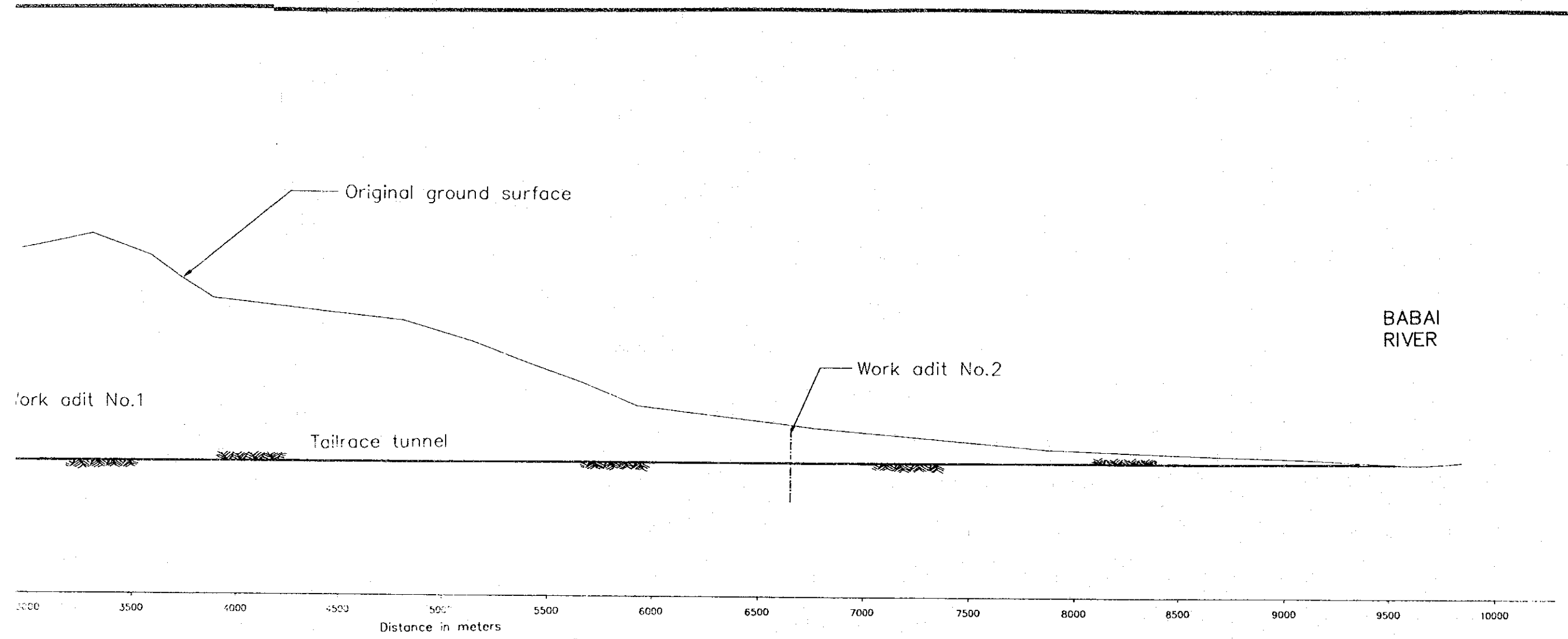


Typical Cross Section of Tailrace Tunnel

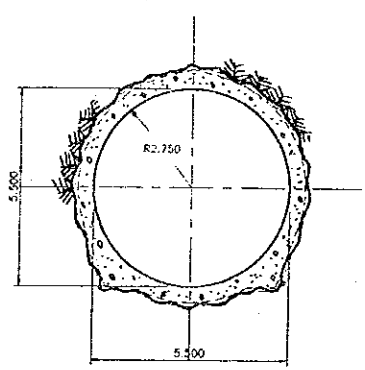


Typical Cross Section of Work Adit

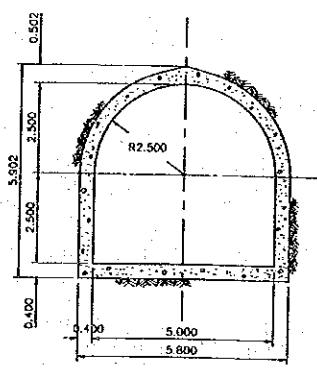
Figure 2.5.1 Profile and Typical Cross Section of BR-1 Waterway



Profile of Waterway



Typical Cross Section of Tailrace Tunnel



Typical Cross Section of Work Adit

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 WATER RESOURCES DEVELOPMENT OF  
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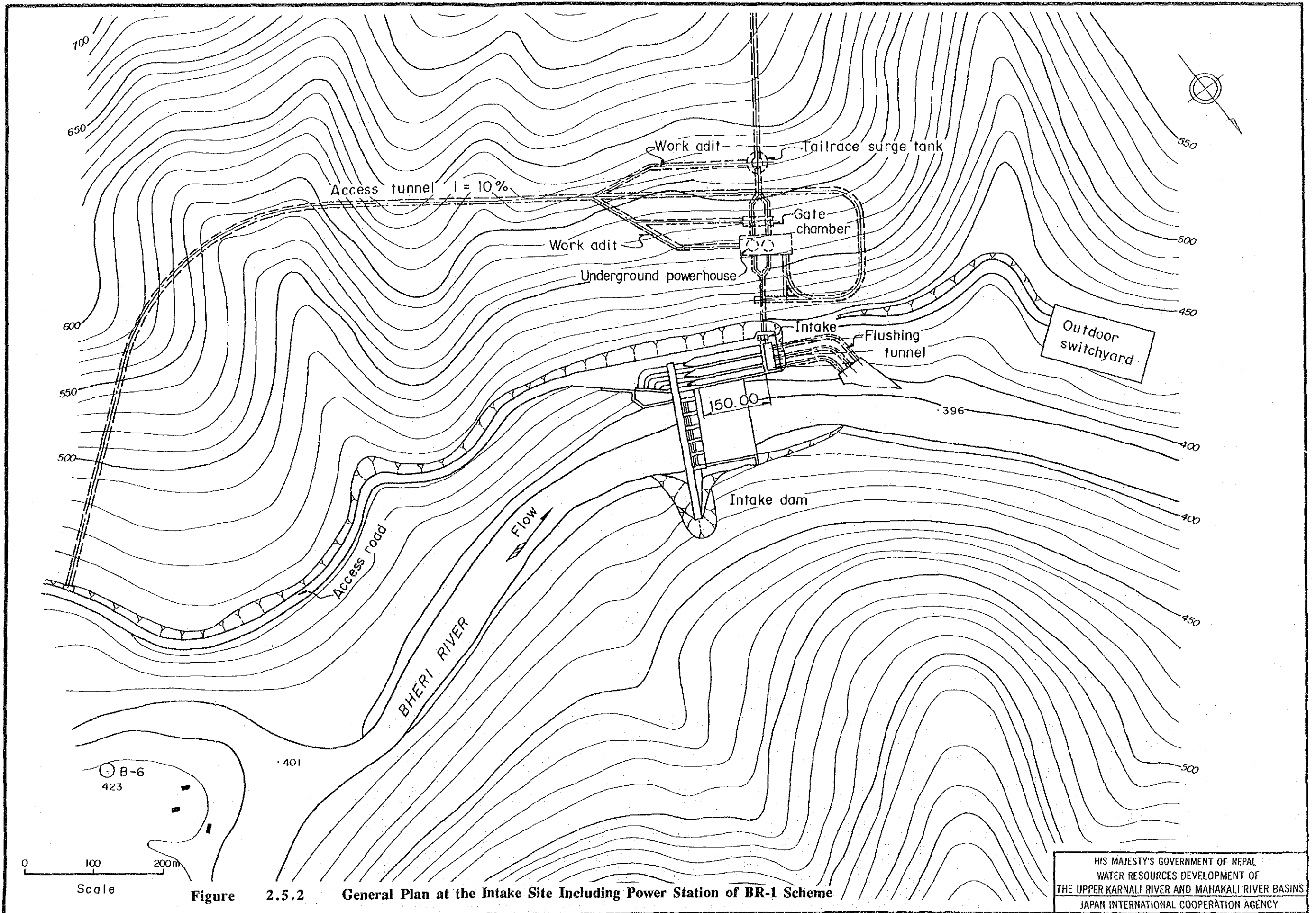


Figure 2.5.2 General Plan at the Intake Site Including Power Station of BR-1 Scheme



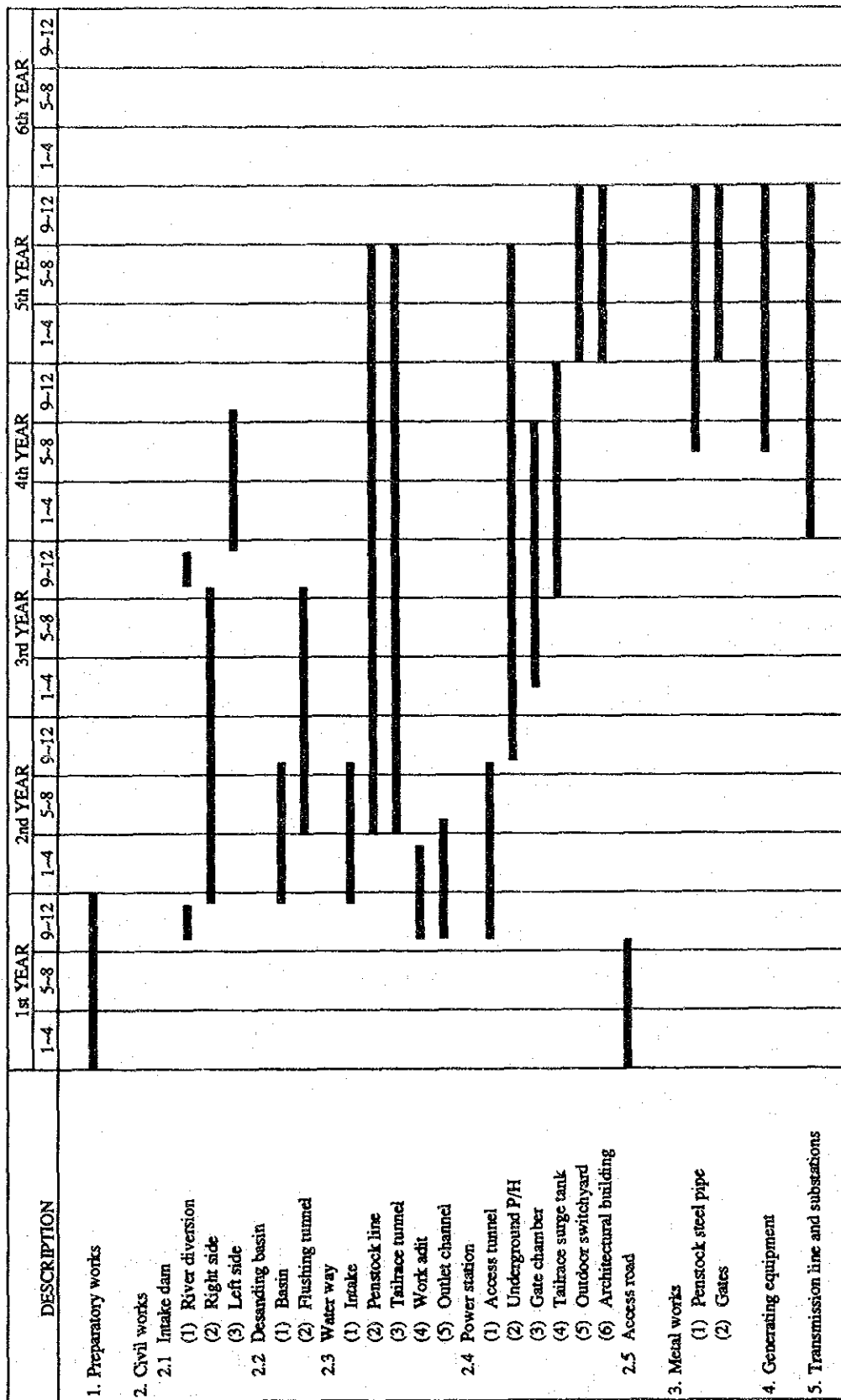
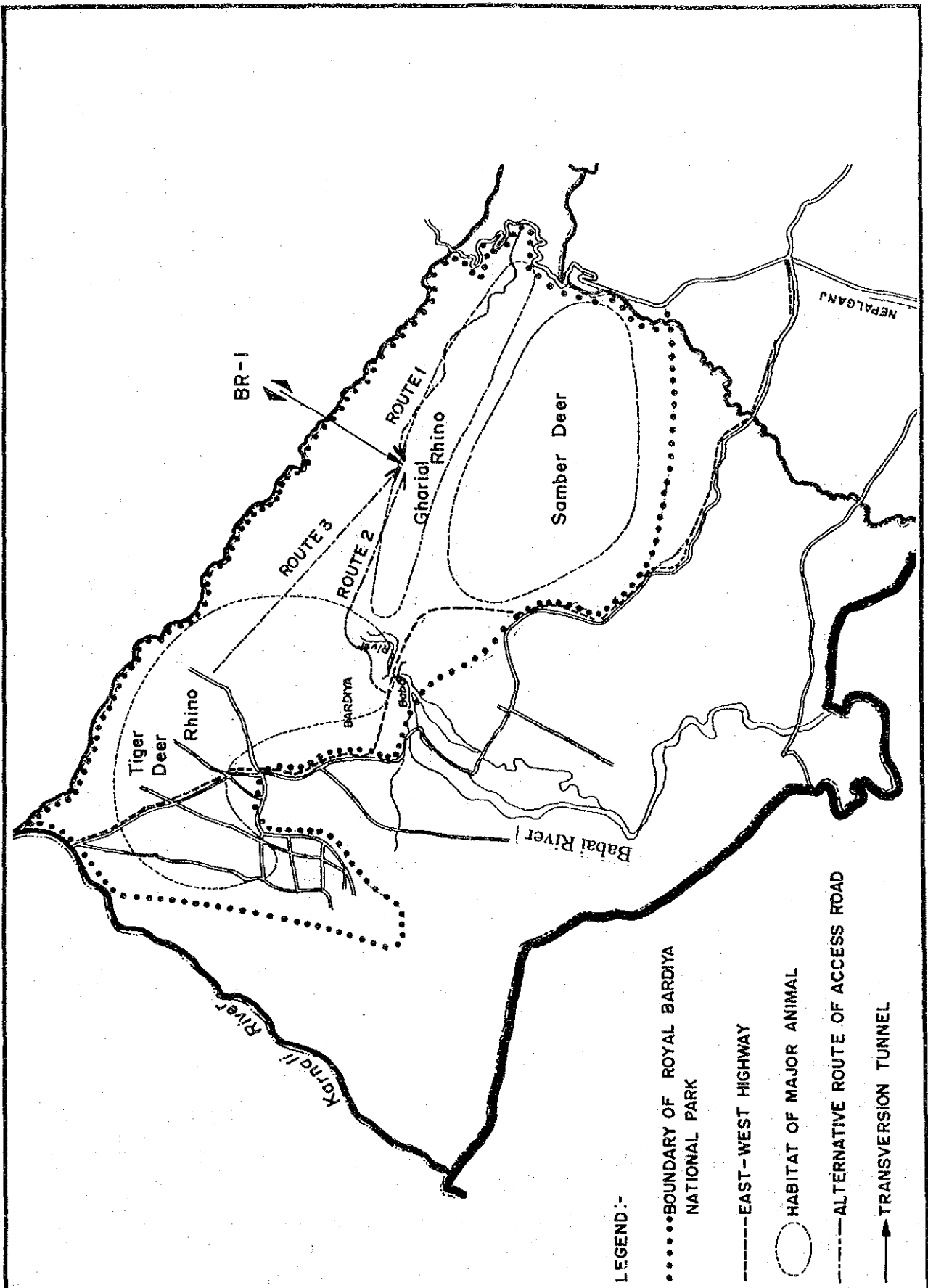


Figure 2.6.1 Construction Schedule for BR-1

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**Figure 2.8.1** Alternative Access Routes to the Outlet of BR-1

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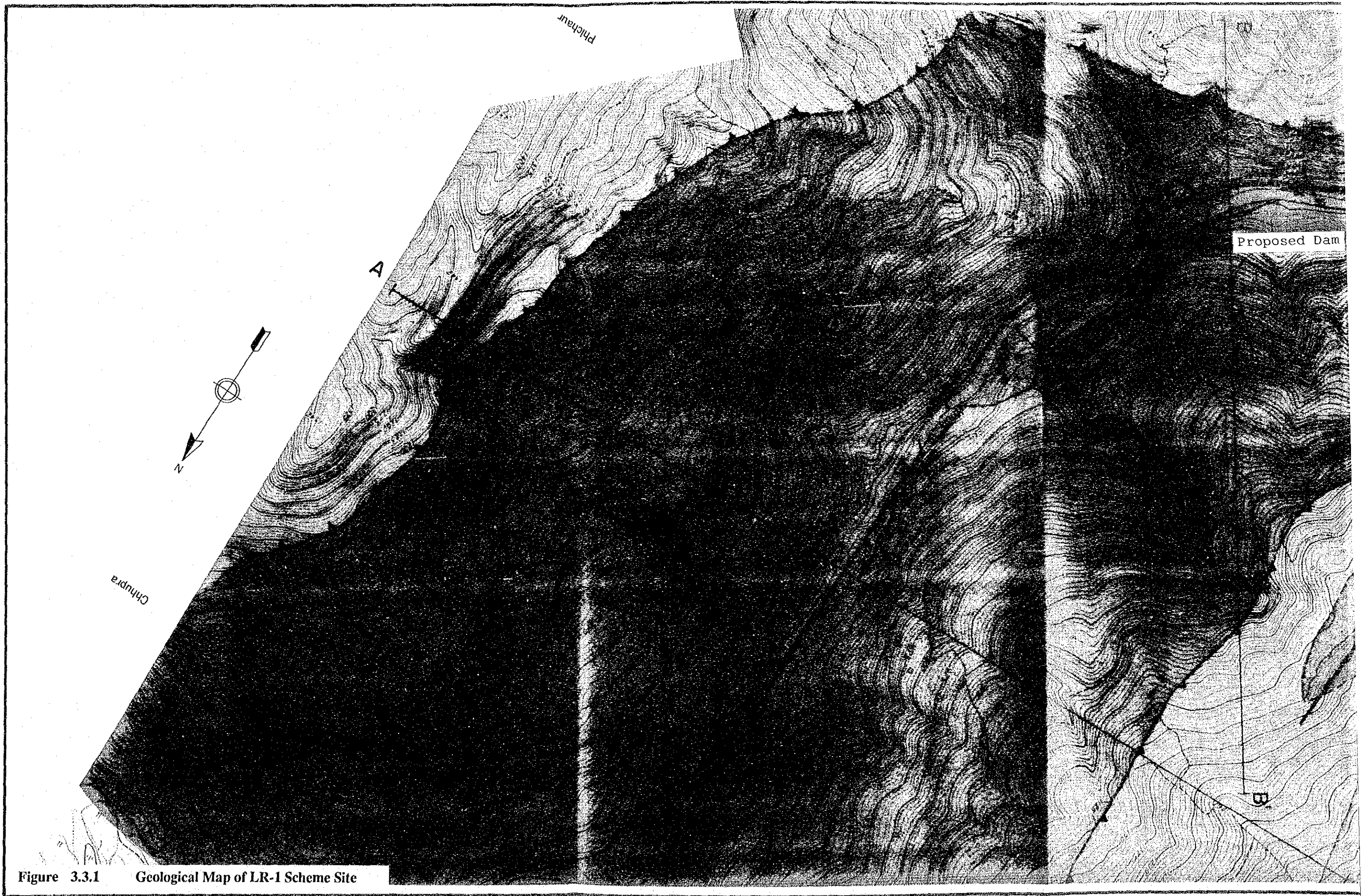











Figure 3.3.1 Geological Map of LR-1 Scheme Site





Legend









-  alluvium
-  phyllite
-  quartzite
-  calcareous rock
-  augen gneiss
-  anticline
-  syncline
-  thrust
-  dip, strike

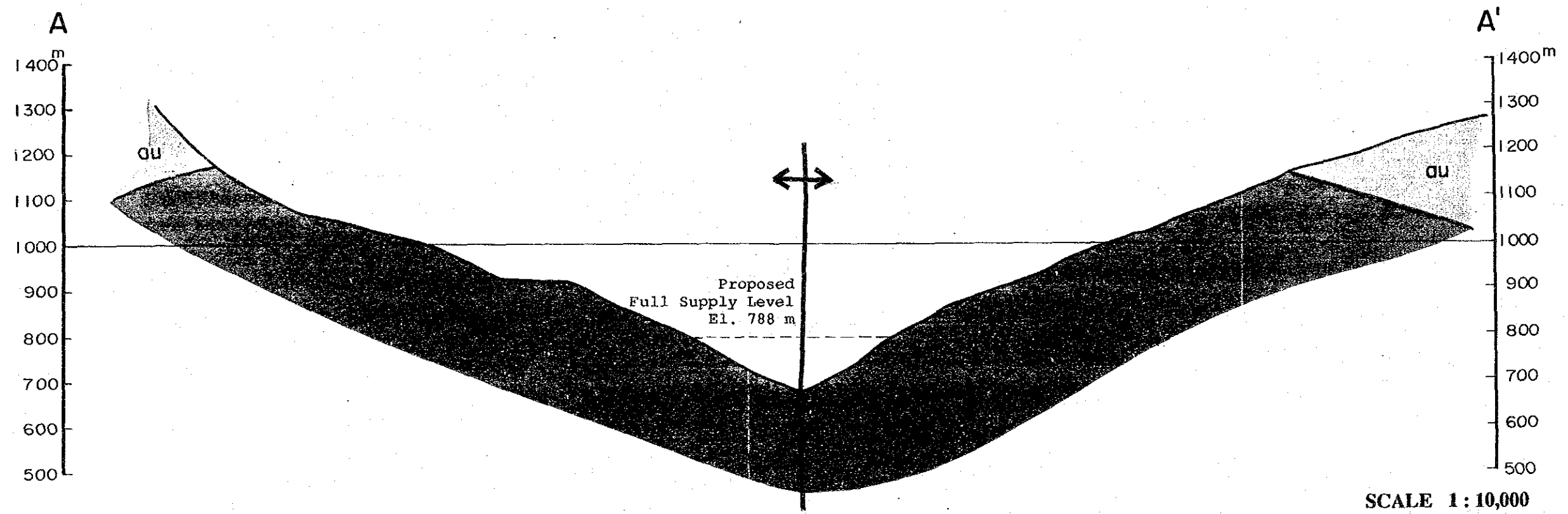
Proposed Dam

SCALE 1 : 10,000

HIS MAJESTY'S GOVERNMENT OF NEPAL  
 WATER RESOURCES DEVELOPMENT OF  
 THE UPPER KARNALI RIVER AND MAHAKALI RIVER BASINS  
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Legend

- |   |                 |   |           |
|---|-----------------|---|-----------|
|  | alluvium        |  | anticline |
|  | phyllite        |  | syncline  |
|  | quartzite       |  | thrust    |
|  | calcareous rock |   |           |
|  | augen gneiss    |   |           |



SCALE 1:10,000

Figure 3.3.2 Geological Profile of LR-1 Scheme Site (1/2)

HIS MAJESTY'S GOVERNMENT OF NEPAL  
 WATER RESOURCES DEVELOPMENT OF  
 THE UPPER KARNALI RIVER AND MAHAKALI RIVER BASINS  
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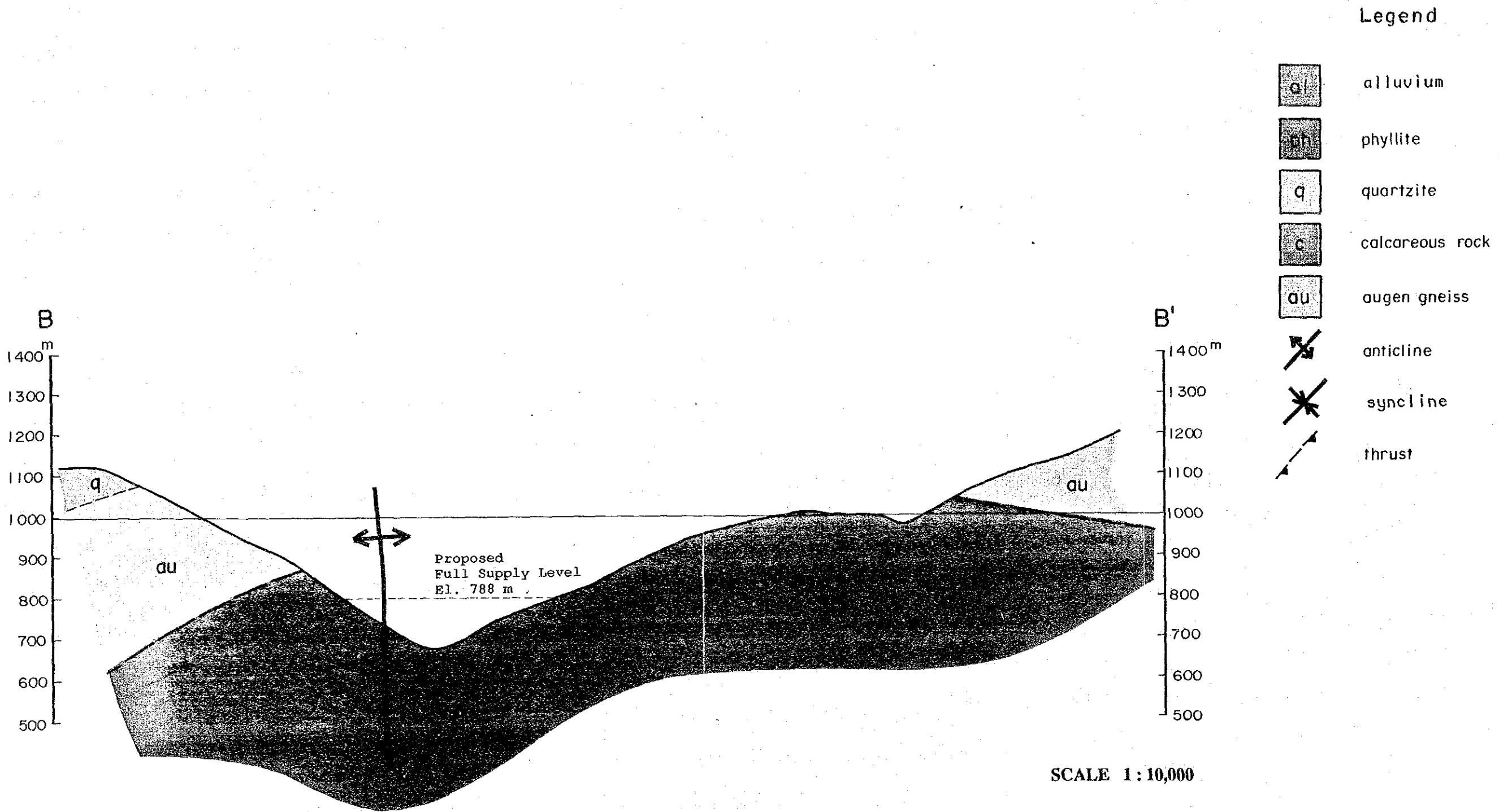


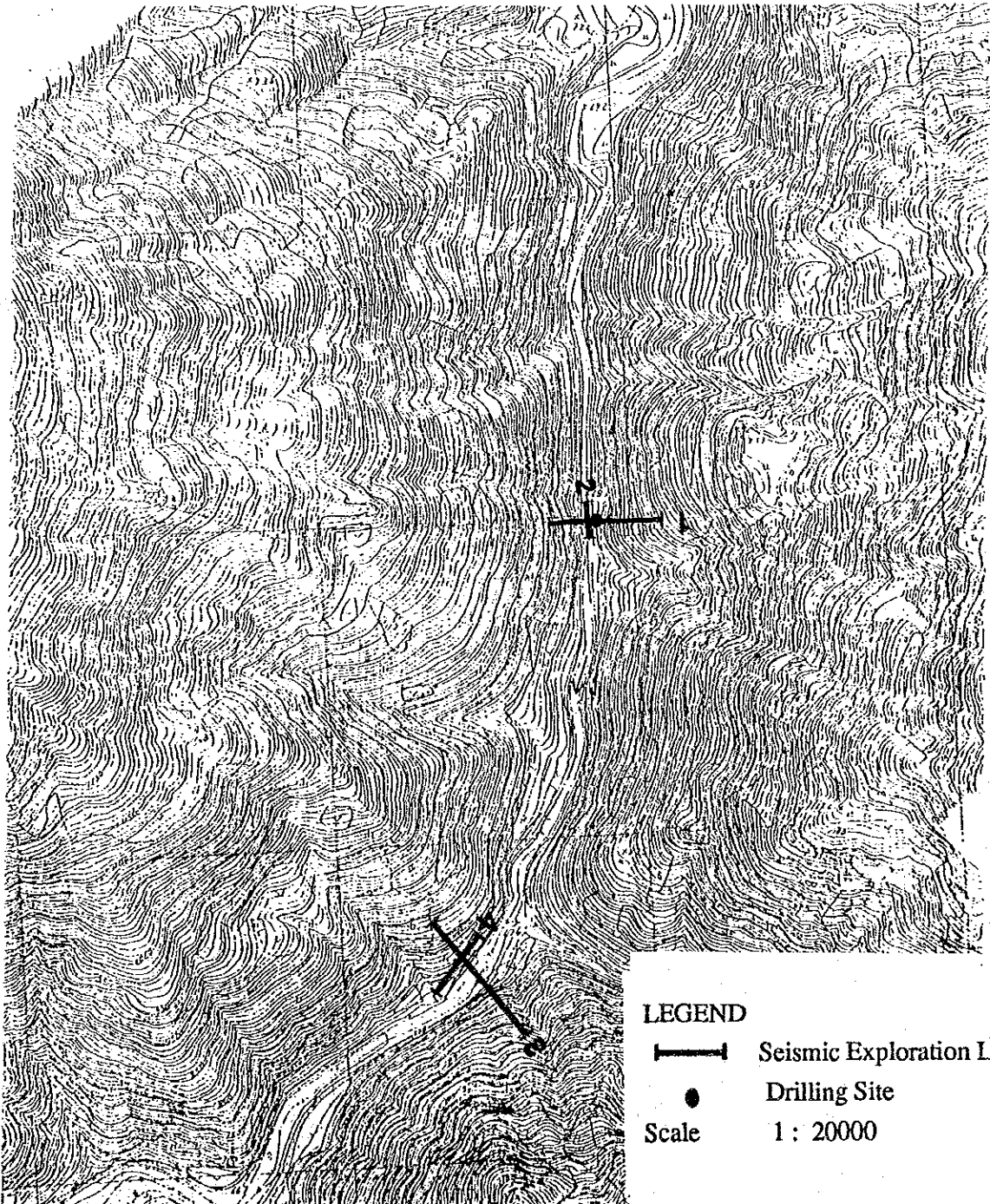
Figure 3.3.2 Geological Profile of LR-1 Scheme Site (2/2)

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 WATER RESOURCES DEVELOPMENT OF  
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# LOHORE RIVER



## LEGEND

 Seismic Exploration Line

 Drilling Site

Scale 1 : 20000

Figure 3.3.3 Location of Seismic Exploration in LR-1

HIS MAJESTY'S GOVERNMENT OF NEPAL  
WATER RESOURCES DEVELOPMENT OF  
THE UPPER KARNALI RIVER AND MAHAKALI RIVER BASINS  
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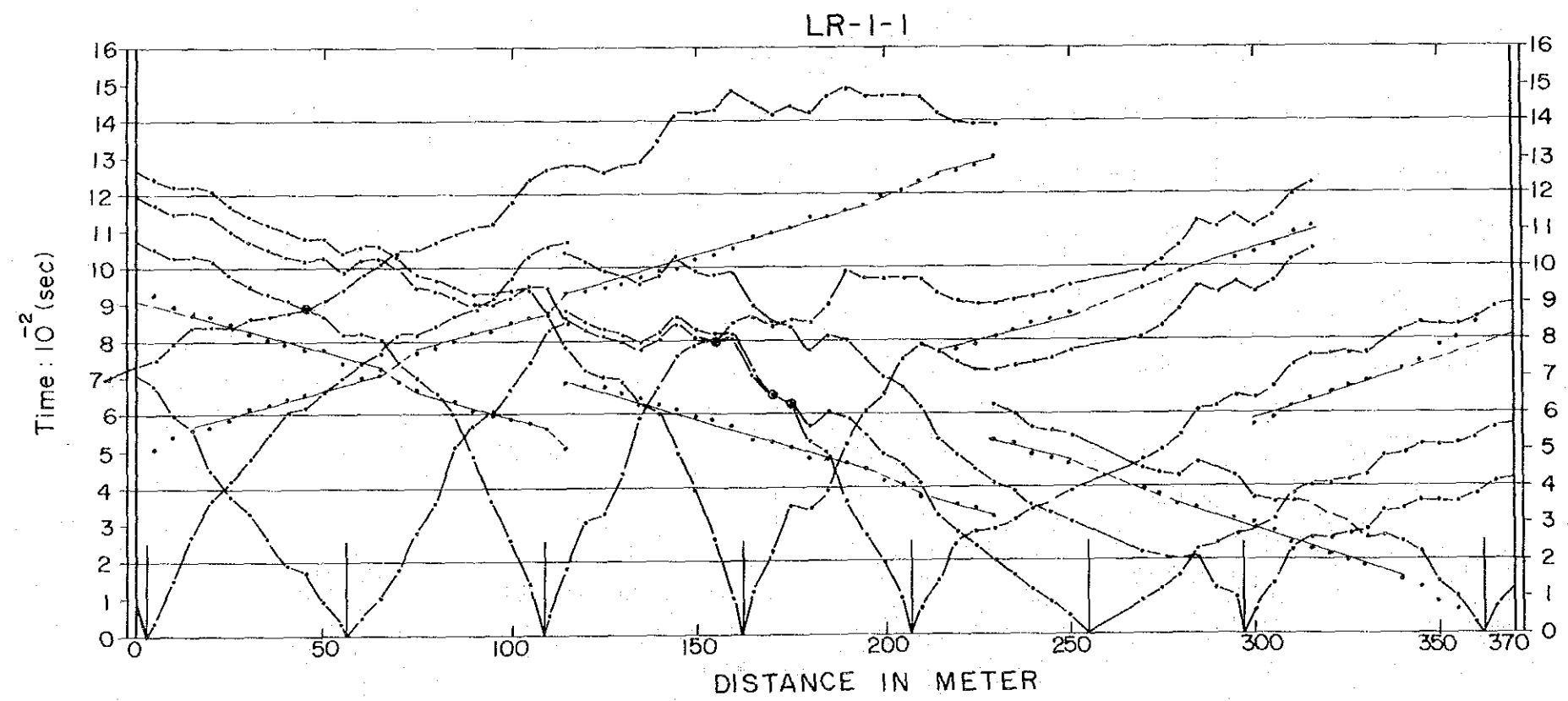
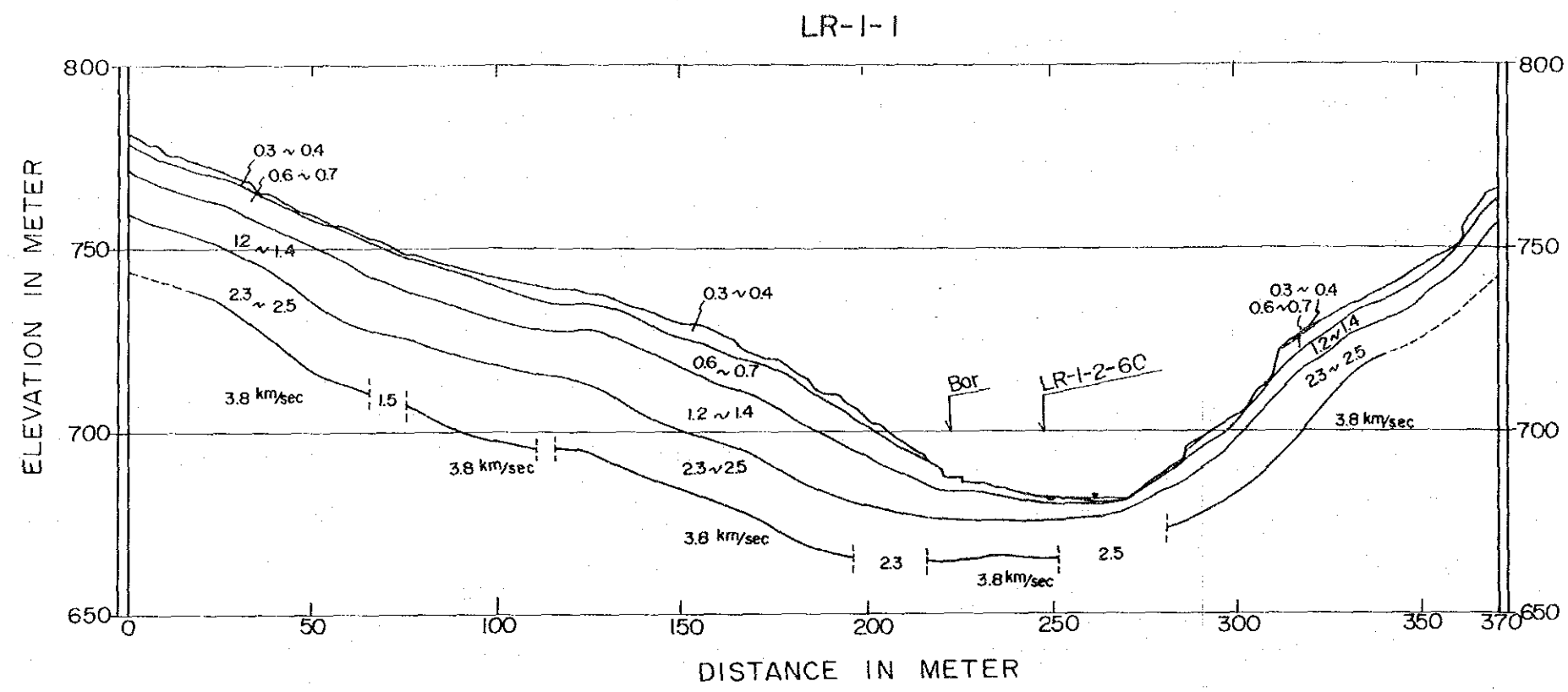


Figure 3.3.4 Seismic Velocity Profile and Time Distance Curve of Line 1 in LR-1

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 WATER RESOURCES DEVELOPMENT OF  
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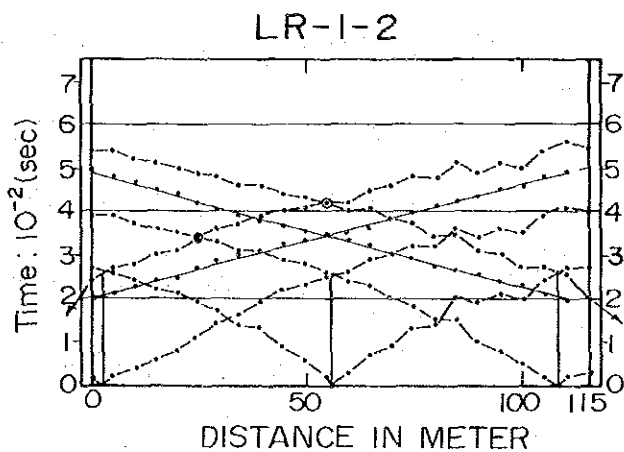
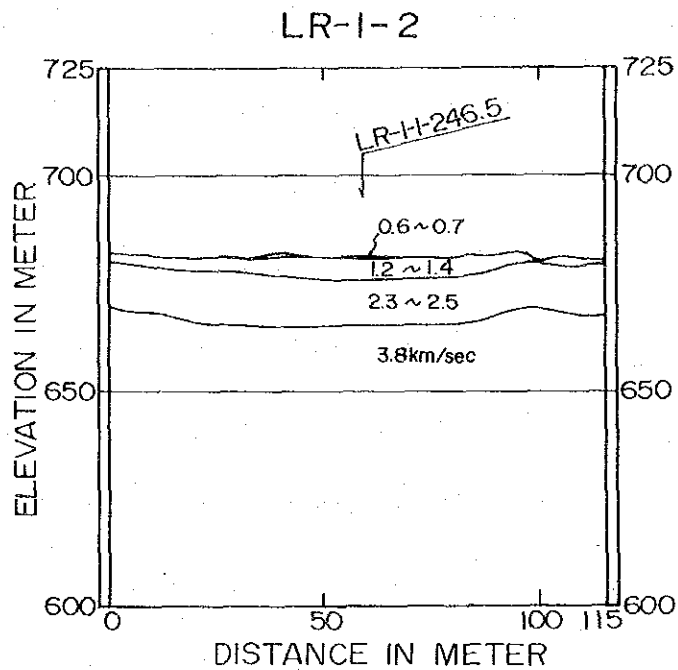


Figure 3.3.5 Seismic Velocity Profile and Time Distance Curve of Line 2 in LR-1

HIS MAJESTY'S GOVERNMENT OF NEPAL  
 WATER RESOURCES DEVELOPMENT OF  
 THE UPPER KARNALI RIVER AND MAHAKALI RIVER BASINS  
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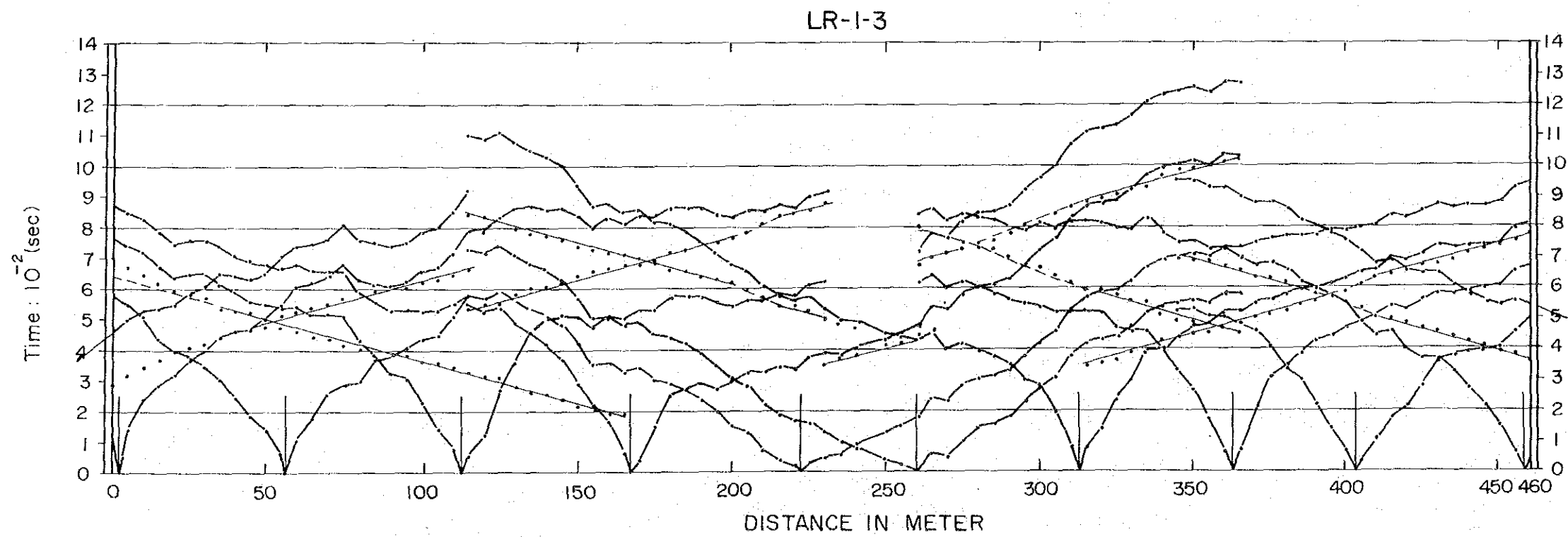
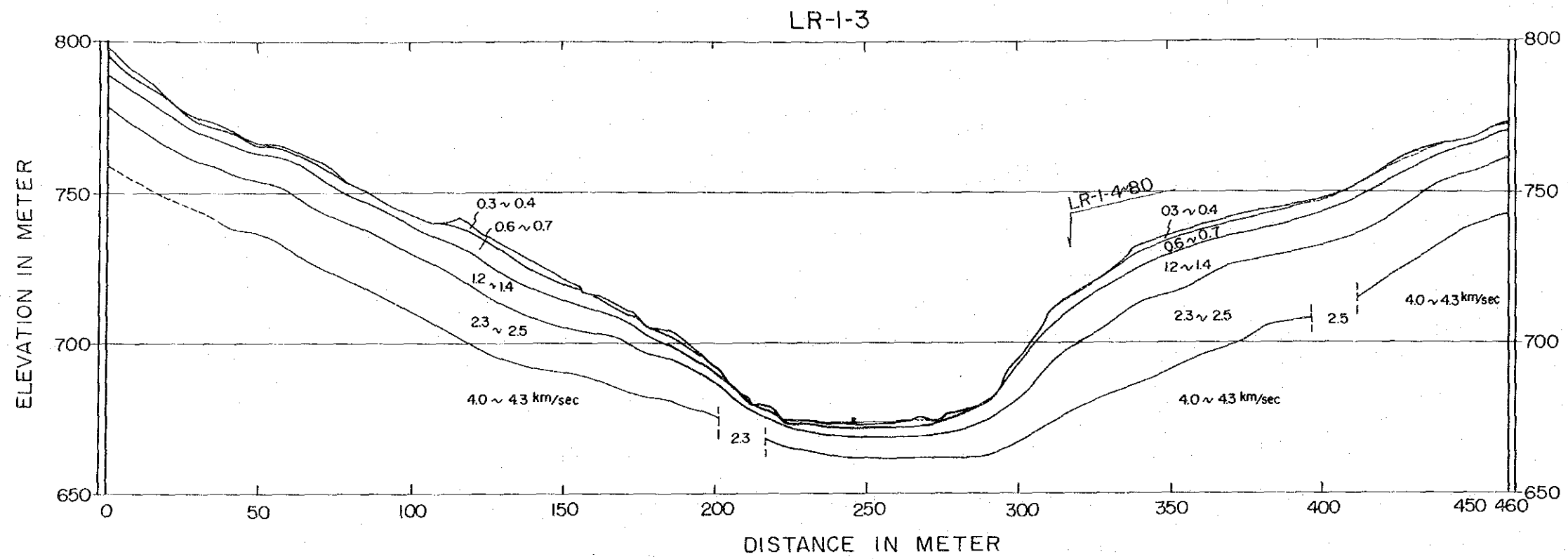


Figure 3.3.6 Seismic Velocity Profile and Time Distance Curve of Line 3 in LR-1

HIS MAJESTY'S GOVERNMENT OF NEPAL  
 WATER RESOURCES DEVELOPMENT OF  
 THE UPPER KARNALI RIVER AND MAHAKALI RIVER BASINS  
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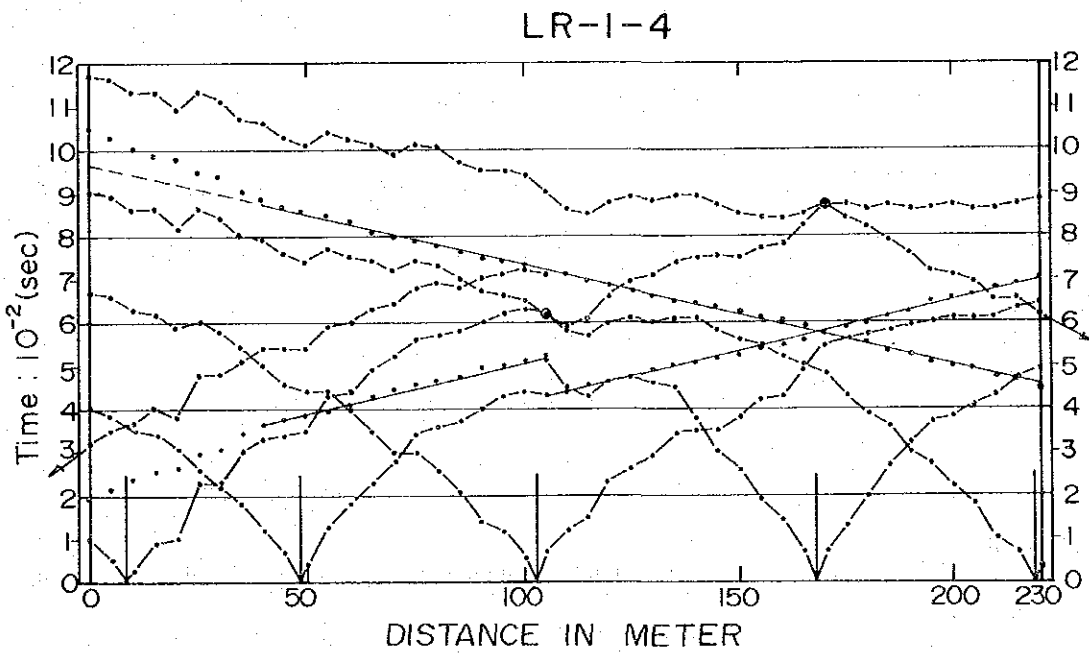
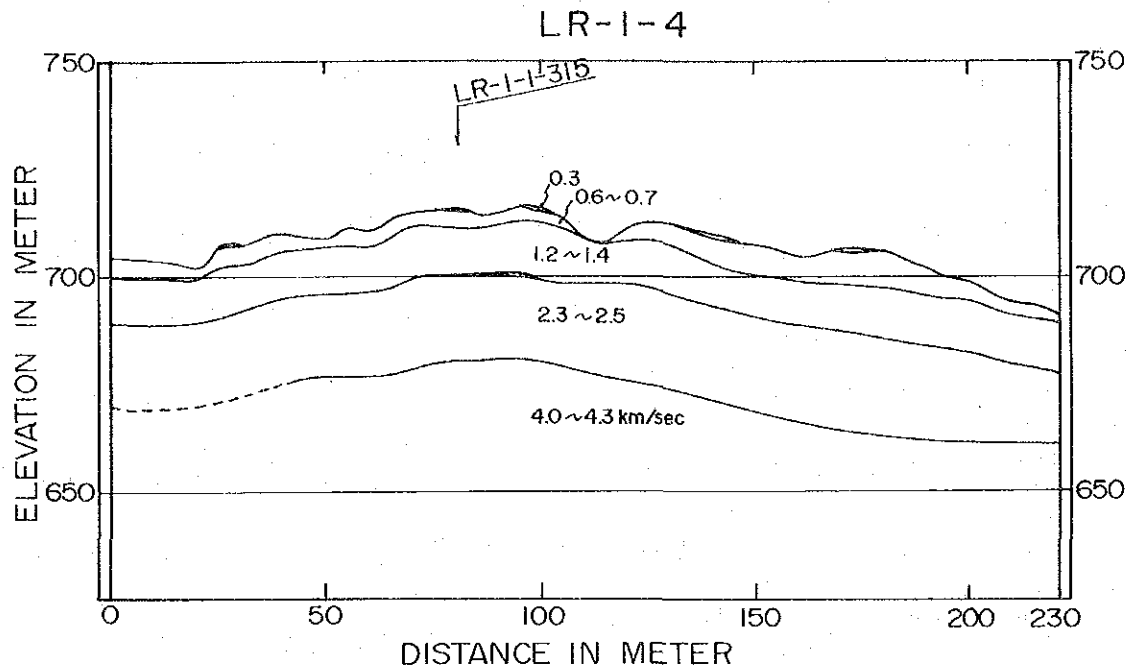


Figure 3.3.7 Seismic Velocity Profile and Time Distance Curve of Line 4 in LR-1

HIS MAJESTY'S GOVERNMENT OF NEPAL  
 WATER RESOURCES DEVELOPMENT OF  
 THE UPPER KARNALI RIVER AND MAHAKALI RIVER BASINS  
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