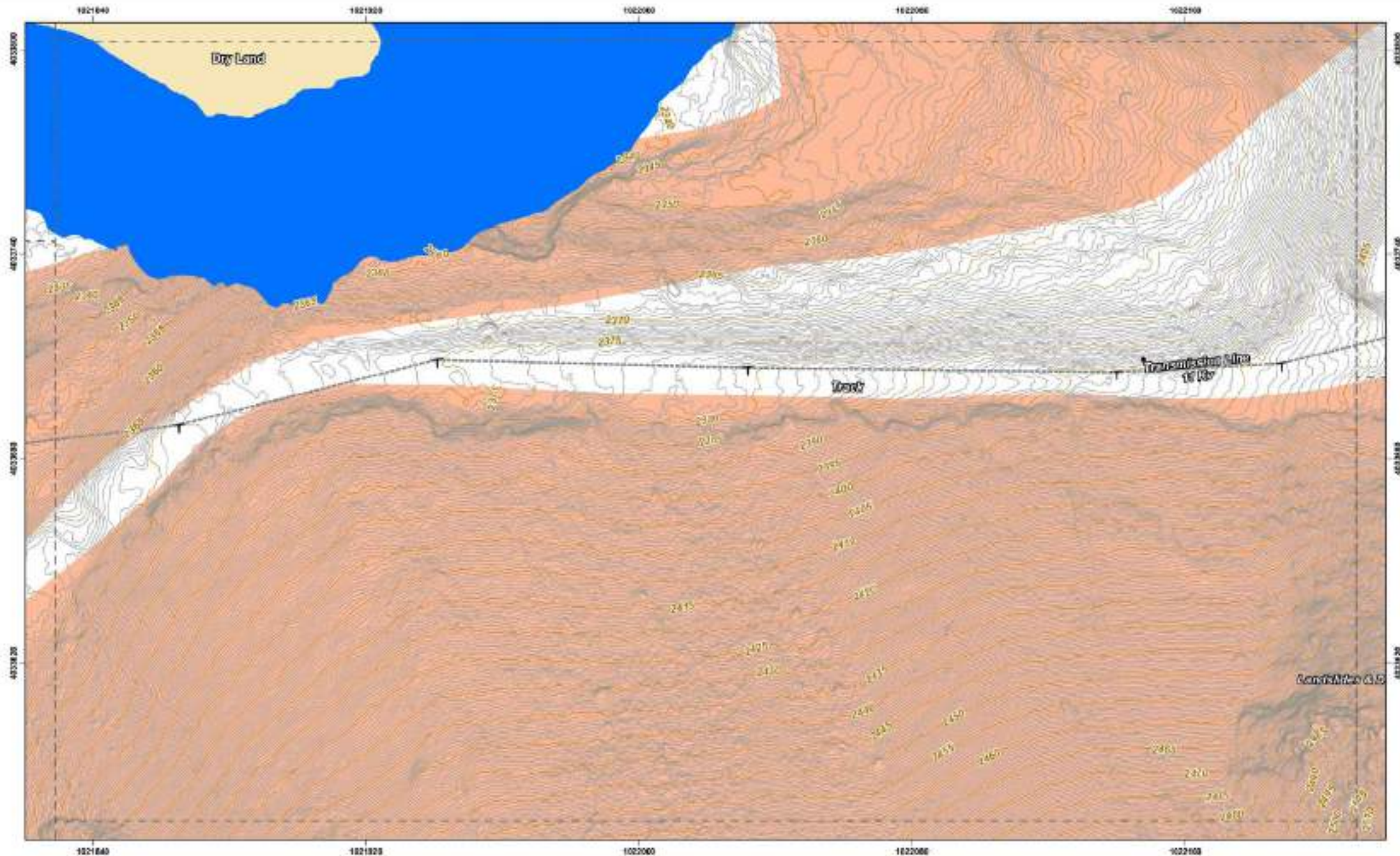
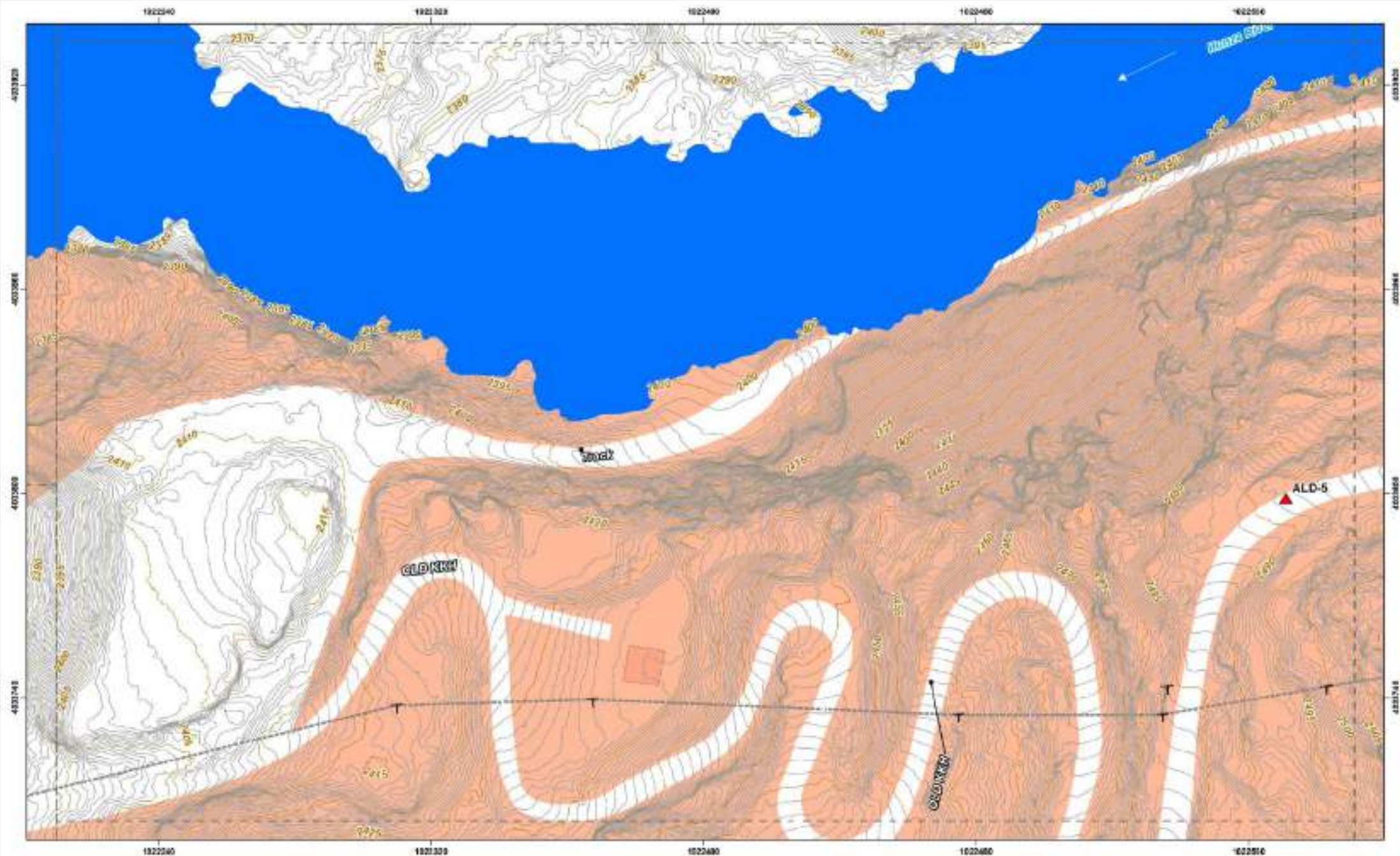




CLIENT  WATER AND POWER DEVELOPMENT AUTHORITY	CONSULTANT ATTABAD HYDROPOWER MANAGEMENT CONSULTANTS HEAD OFFICE: H-5 PAK HOUSE, 1-2, BLOCK B, MODEL TOWN EXTENSION, LAHORE, PAKISTAN	LEGEND Control Point Spot Topographic Line Tunnel D/L Topographic Line Interim Line Water Course Dry Land Agricultural Land Forest Road Landmark Line Proposed Line Interim Open Closed Bridge Road U.T. 1000 L/S	INDEX MAP 	DISCLAIMER 1. This Map has been prepared by National Engineering Services Pakistan PVT. LTD. exclusively for the purpose of the project and is not to be used for any other purpose. 2. The map is not to be used for any other purpose without the prior written consent of the National Engineering Services Pakistan PVT. LTD. 3. The map is not to be used for any other purpose without the prior written consent of the National Engineering Services Pakistan PVT. LTD. 4. The map is not to be used for any other purpose without the prior written consent of the National Engineering Services Pakistan PVT. LTD. 5. The map is not to be used for any other purpose without the prior written consent of the National Engineering Services Pakistan PVT. LTD.	PROJECT ATTABAD LAKE HYDROPOWER PROJECT (54 MW)	TITLE TOPOGRAPHIC SURVEY PLAN ATTABAD LAKE DAM SCALE 1:1000	GATE FEB 2025	SHEET NO. Page 29 of 73	SCALE BAR 
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CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: HESRAK HOUSE, 1-C, BLOCK-B
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

- Control Point
- Spot
- Topographic Point
- Survey
- DL Line
- Topographic Line
- Intermittent Control
- Water Control
- Spillway
- Highway
- Bridge
- Landmark
- Proposed Dam
- Interim
- Open
- Concrete
- Steel
- Other

INDEX MAP



DISCLAIMER

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PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

DATE

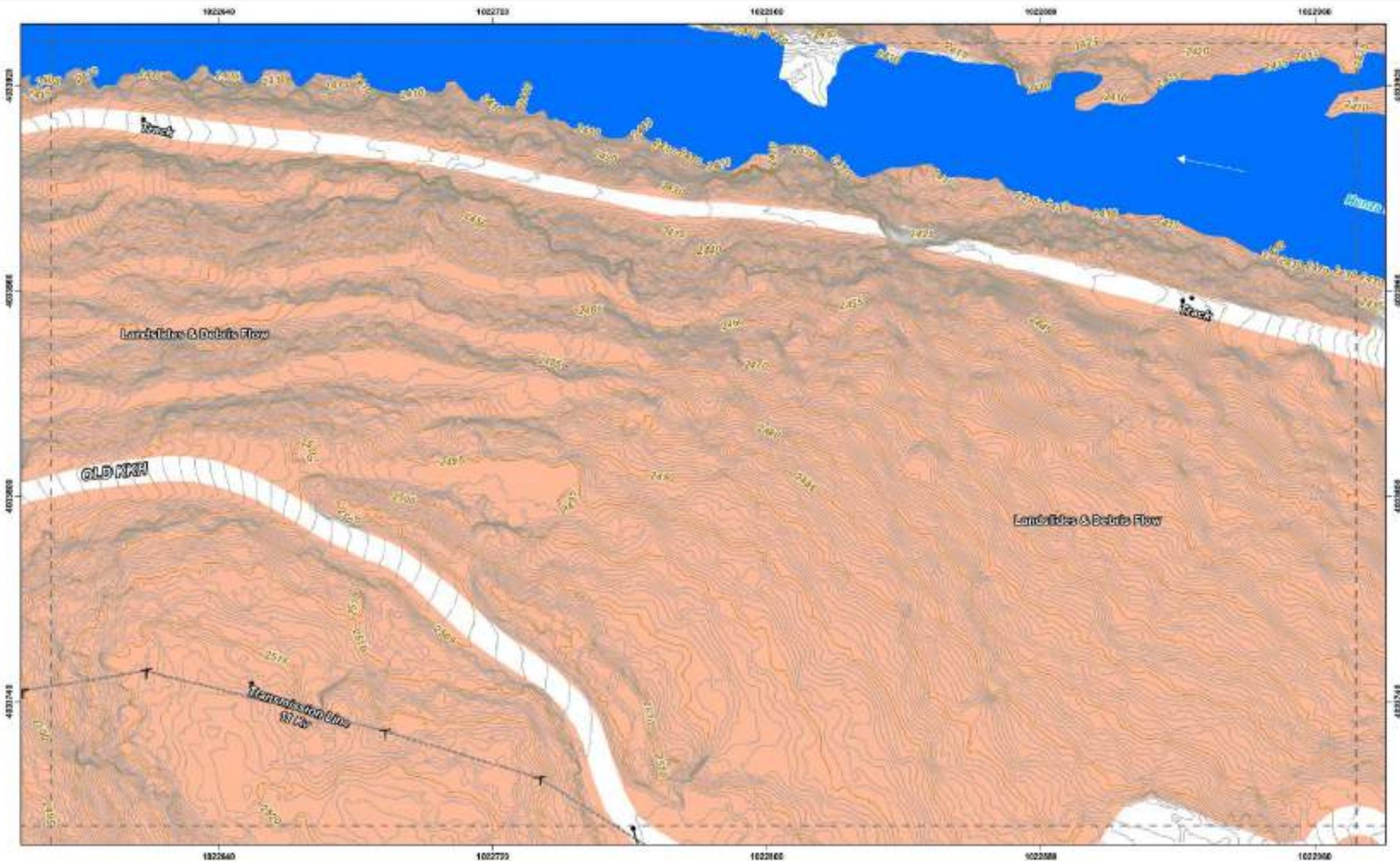
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SHEET NO.

Page 30 of 73

SCALE BAR

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CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: HESKRAH ROAD, T-2, BLOCK-B
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

Control Point	Water Control	Proposed Road
Spot	Stream	Intersect
Topographic Point	Site Limit	Open
Topographic Point	Highland Point	Canal
Spot	Hydro	Bridge
Spot	Spot	Shed
Topographic Point	Spot	U-Turn
Intersect	Spot	Spot
	Spot	Spot

INDEX MAP



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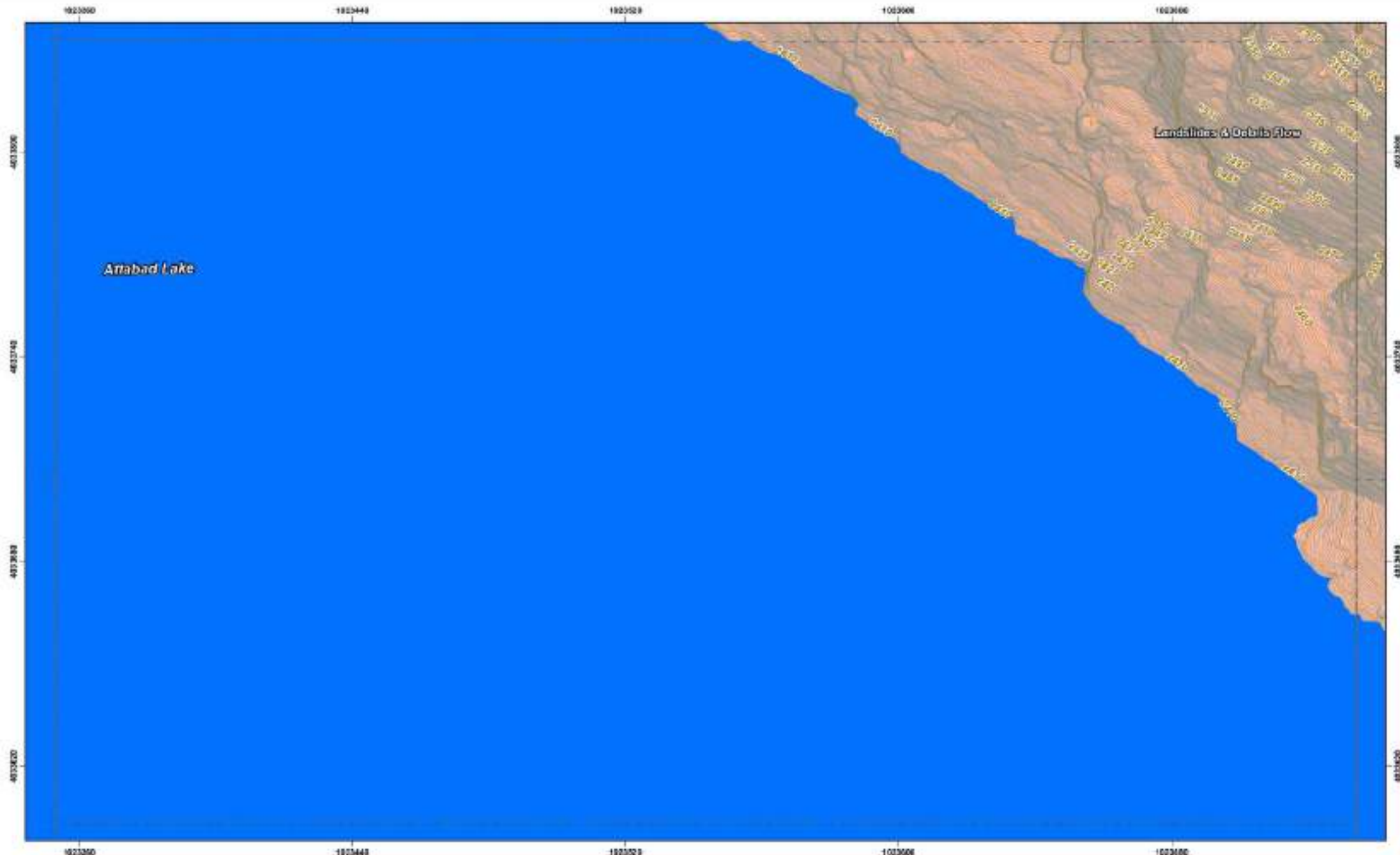
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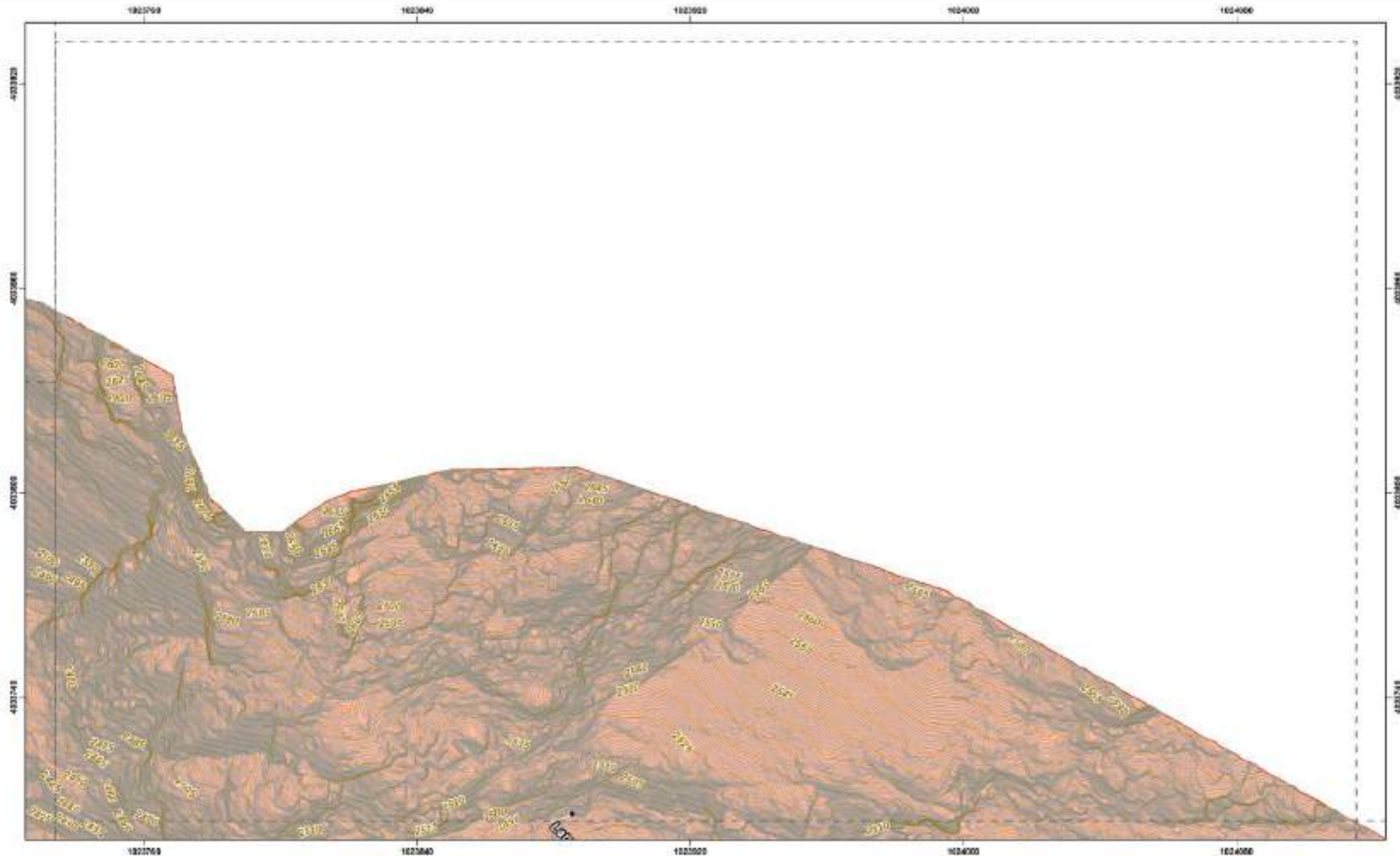
Page 31 of 73

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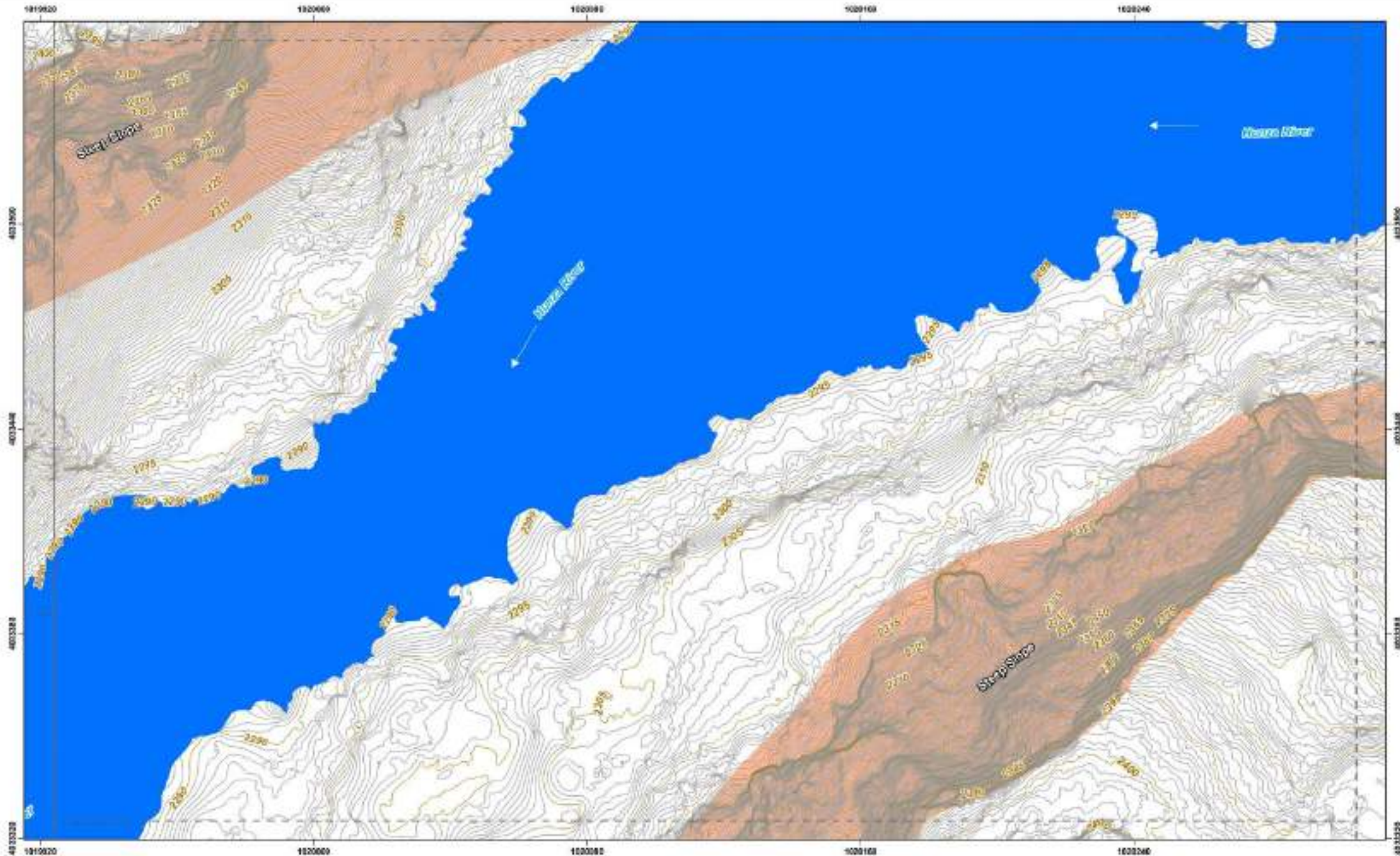
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CLIENT  WATER AND POWER DEVELOPMENT AUTHORITY	CONSULTANT  ATTABAD HYDROPOWER MANAGEMENT CONSULTANTS HEAD OFFICE: HESRAKHOLURE, T-2, BLOCK-B MODEL TOWN EXTENSION, LAHORE, PAKISTAN	LEGEND Control Point Not Topographic Photo Tunnel D/L Line Topographic Line Information Center Water Control Dam Dam Agricultural plot Irrigation Road Landslide Dam Damaged dam Dam Dam Dam Dam Dam Dam INDEX MAP  DISCLAIMER 1. This Map has been prepared by National Engineering Services Pakistan PVT. LTD. (NESPAK) for the purpose of providing information only and does not constitute a contract. The user of this map shall be responsible for its use and any liability arising therefrom shall be that of the user. 2. The map is provided for the purpose of providing information only and does not constitute a contract. The user of this map shall be responsible for its use and any liability arising therefrom shall be that of the user. 3. This information is provided for the use of the user only and does not constitute a contract. The user of this map shall be responsible for its use and any liability arising therefrom shall be that of the user. 4. Any use, copy or distribution of this map or any part thereof without the written permission of NESPAK shall be considered as an infringement of the copyright and NESPAK shall be liable for any damages or losses incurred by the user. PROJECT ATTABAD LAKE HYDROPOWER PROJECT (54 MW) TITLE TOPOGRAPHIC SURVEY PLAN ATTABAD LAKE DAM SCALE 1:1000 DATE FEB 2025 SHEET NO. Page 33 of 73 SCALE BAR 
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CLIENT  WATER AND POWER DEVELOPMENT AUTHORITY	CONSULTANT  ATTABAD HYDROPOWER MANAGEMENT CONSULTANTS HEAD OFFICE: F-18/PAK HOUSE, 1-C, BLOCK N, MODEL TOWN, EXTENSION, LAHORE, PAKISTAN	LEGEND <table border="0"> <tr> <td>Green Circle</td> <td>Water Conveyance</td> <td>Proposed dam</td> </tr> <tr> <td>Blue Square</td> <td>Right</td> <td>HEMAM</td> </tr> <tr> <td>Red Square</td> <td>Left</td> <td>225' Dam</td> </tr> <tr> <td>Yellow Square</td> <td>Aggregated Land</td> <td>225' Dam</td> </tr> <tr> <td>Green Square</td> <td>Hydro</td> <td>225' Dam</td> </tr> <tr> <td>Blue Square</td> <td>Water</td> <td>225' Dam</td> </tr> <tr> <td>Red Square</td> <td>Water</td> <td>225' Dam</td> </tr> <tr> <td>Yellow Square</td> <td>Water</td> <td>225' Dam</td> </tr> <tr> <td>Green Square</td> <td>Water</td> <td>225' Dam</td> </tr> <tr> <td>Blue Square</td> <td>Water</td> <td>225' Dam</td> </tr> <tr> <td>Red Square</td> <td>Water</td> <td>225' Dam</td> </tr> <tr> <td>Yellow Square</td> <td>Water</td> <td>225' 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CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABADD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: H-5, PAFK H-5, PAFK H-5
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

- | | | |
|----------------------|--------------|--------------|
| Contour Line | Water Course | Proposed Dam |
| Spot | Stream | Intake |
| Topographic Point | Highway | Open |
| Survey | Highway | Concrete |
| DL Line | Bridge | Steel |
| Topographic Line | Gravel | Gravel |
| Intermittent Contour | Gravel | Gravel |
| | Gravel | Gravel |

INDEX MAP



DISCLAIMER

- This Map has been prepared by National Engineering Services Pvt. Ltd. (NES) for the purpose of providing a visual representation of the project area and is not intended to be used for any other purpose.
- The map is not intended to be used for any other purpose.
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PROJECT

ATTABADD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABADD LAKE DAM

SCALE

1:1000

DATE

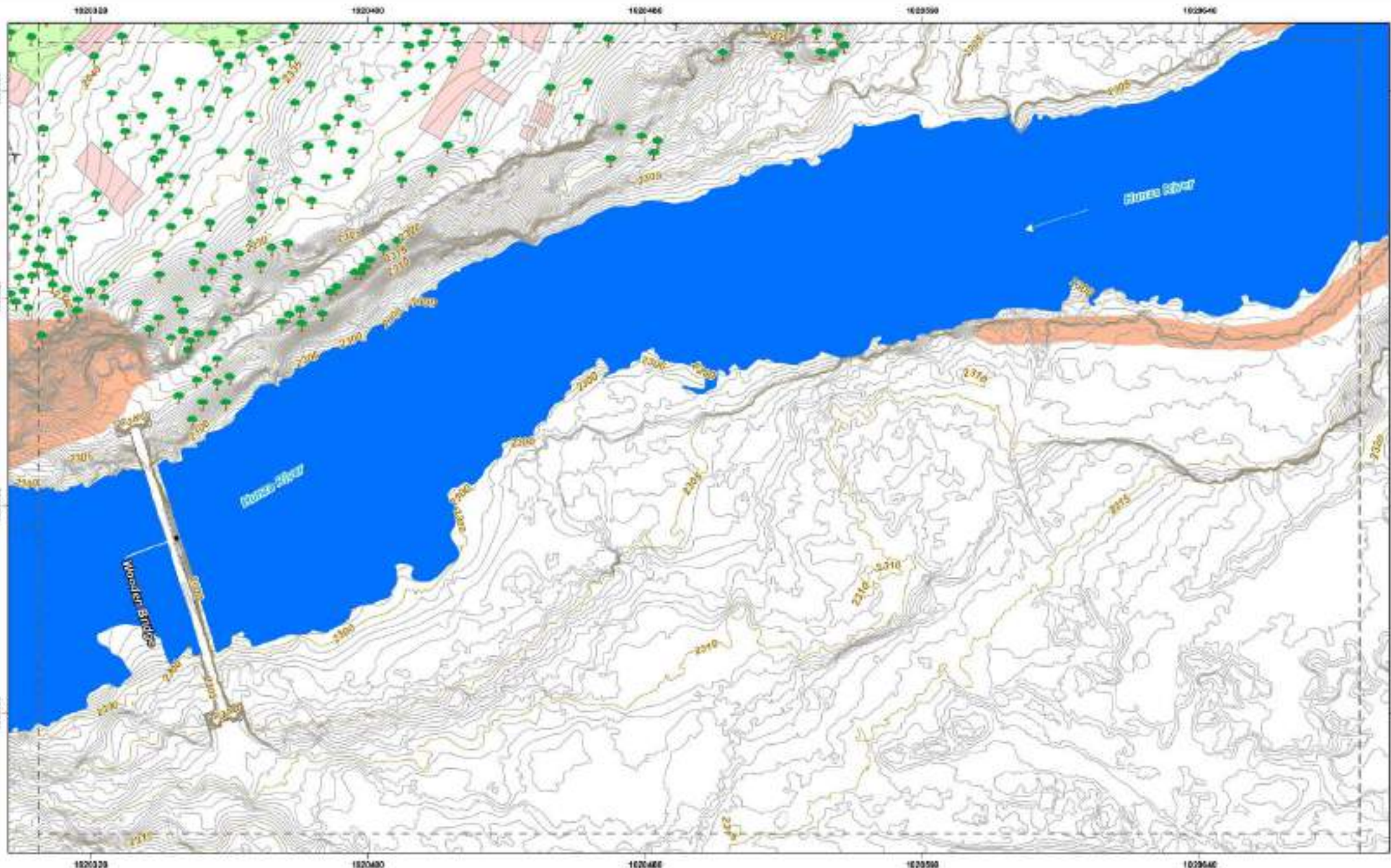
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SHEET NO.

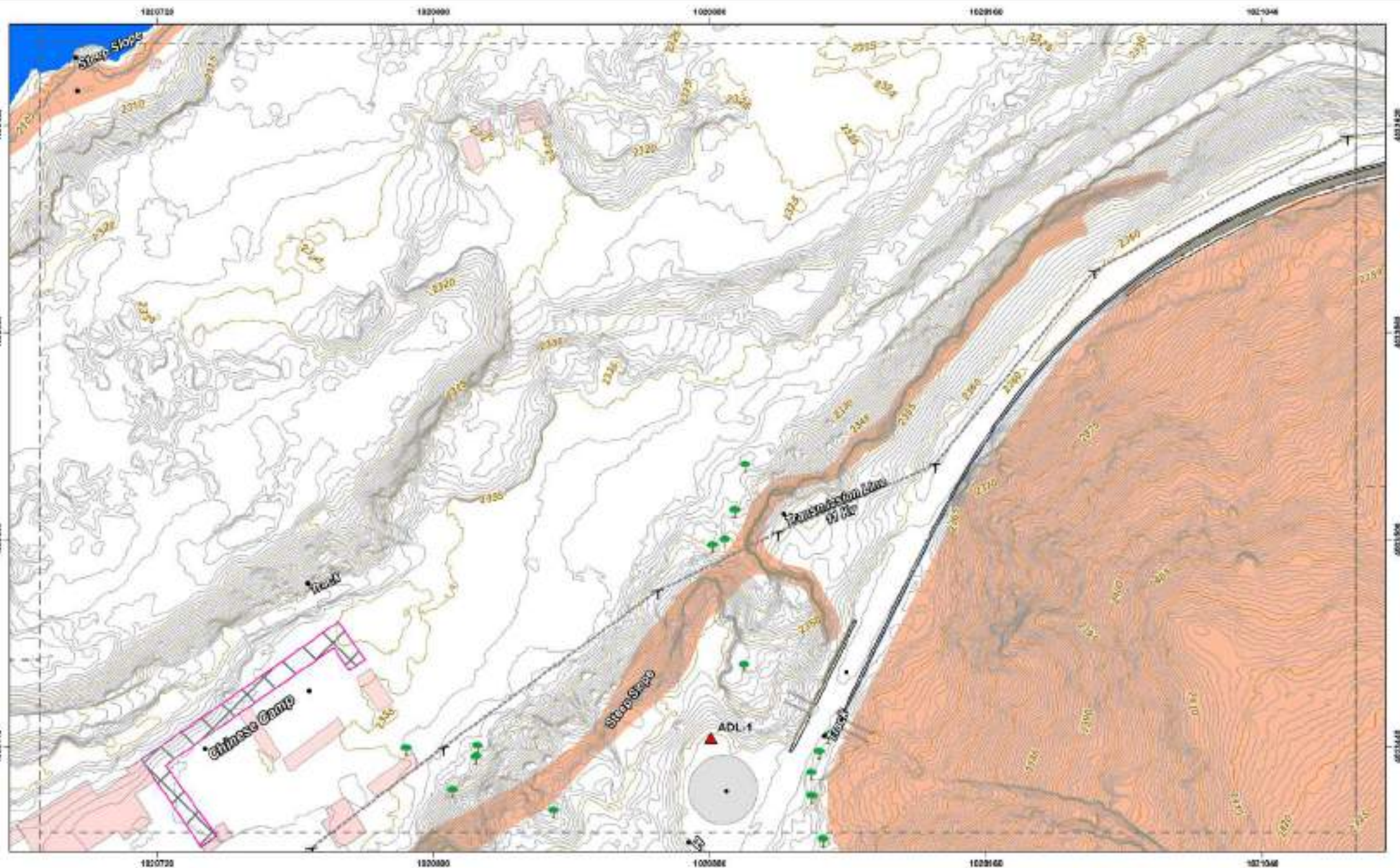
Page 35 of 73

SCALE BAR

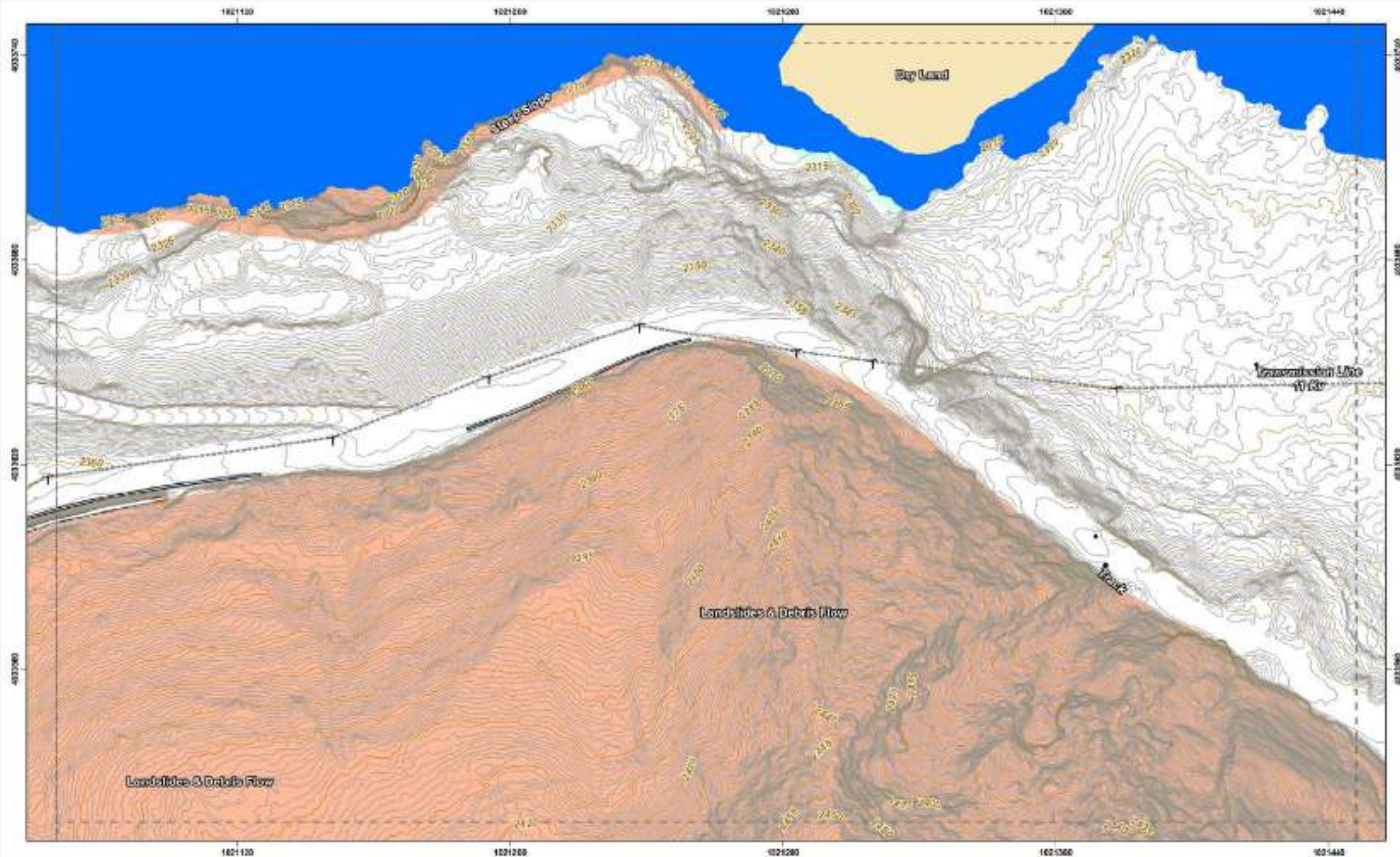




CLIENT  RATZ AND POWER DEVELOPMENT AUTHORITY	CONSULTANT  ATTABAD HYDROPOWER MANAGEMENT CONSULTANTS HEAD OFFICE: HESKHO HOUSE, 1-C, BLOCK-B, MODEL TOWN EXTENSION, LAHORE, PAKISTAN	LEGEND Contour Point Road Topographic Line Dam Line Topographic Line Interim Line Water Course River Agricultural Field Forest Topographic Line Interim Line Dam Structure Dam Foundation Dam Foundation Dam Foundation Dam Foundation Proposed Rd Pipeline Canal Bridge Road L-1 1: 1000 1:250 INDEX MAP  DISCLAIMER 1. This Map has been prepared by National Engineering Services Pakistan PVT. LTD. (NESPAK) for the purpose of providing information to the client and is not to be used for any other purpose without the written consent of NESPAK. 2. The topographic survey data used in this map was collected by NESPAK in the year 2020. 3. This information is provided for the use of the client and is not to be used for any other purpose without the written consent of NESPAK. 4. NESPAK, its staff, and its consultants are not responsible for any errors or omissions in this map and its use, and the responsibility of the user of this map and its use is solely on the user. PROJECT ATTABAD LAKE HYDROPOWER PROJECT (54 MW) TITLE TOPOGRAPHIC SURVEY PLAN ATTABAD LAKE DAM SCALE 1:1000 DATE FEB 2025 SHEET NO. Page 38 of 73 SCALE BAR 
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CLIENT  WATER AND POWER DEVELOPMENT AUTHORITY	CONSULTANT  ATTABADD HYDROPOWER MANAGEMENT CONSULTANTS HEAD OFFICE: H-18, PAFK HO USE, 1-C, REGIONAL MODEL TOWN EXTENSION, LAHORE, PAKISTAN	LEGEND Control Point Spot Topographic Line D/L Line Topographic Line Interference Control Water Control Dry Line Hydrological path Road 1:1000 Scale Landmark Point Proposed and Intersect Open Control Bridge Road 1:1000 Scale	INDEX MAP 	DISCLAIMER 1. This map has been prepared by National Engineering Services Pakistan PVT. LTD. (NESP) for the purpose of providing information only and does not constitute a contract or any other legal document. The client is responsible for the accuracy and reliability of the data used in the preparation of this map. 2. The topographic survey data used in the preparation of this map is based on the best available information and is not guaranteed to be 100% accurate. 3. This map is intended for use as a reference only and should not be used for any other purpose without the prior written consent of NESP. 4. The client is responsible for the accuracy and reliability of the data used in the preparation of this map and for any errors or omissions in the map.	PROJECT ATTABADD LAKE HYDROPOWER PROJECT (84 MW)	TITLE TOPOGRAPHIC SURVEY PLAN ATTABADD LAKE DAM SCALE 1:1000 DATE FEB 2026 SHEET NO. Page 32 of 73 SCALE BAR 
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CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: HESRAK HOUSE, 1-C, BLOCK B
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

Control Point	Water Control	Proposed Road
Spot	Bay Land	Intersect
Topographic Point	Highland point	Open
Survey	Hydro	Canal
DL Line	Shed	Bridge
Topographic Line	Shed	Shed
Intersecting Center	Landslide Slope	DL Line

INDEX MAP



DISCLAIMER

1. This map has been prepared by National Engineering Services Pvt. Ltd. (NES) for the purpose of providing a visual representation of the terrain and features of the project area. It is not intended to be used for any purpose other than that for which it was prepared.

2. The topographic survey data used in this map was obtained through aerial photography and ground survey conducted in October 2020.

3. This information is provided for the use of the client and is not intended to be used for any purpose other than that for which it was prepared.

4. The user of this map is responsible for the accuracy and reliability of the data and information contained herein and for any errors or omissions in the map.

PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

DATE

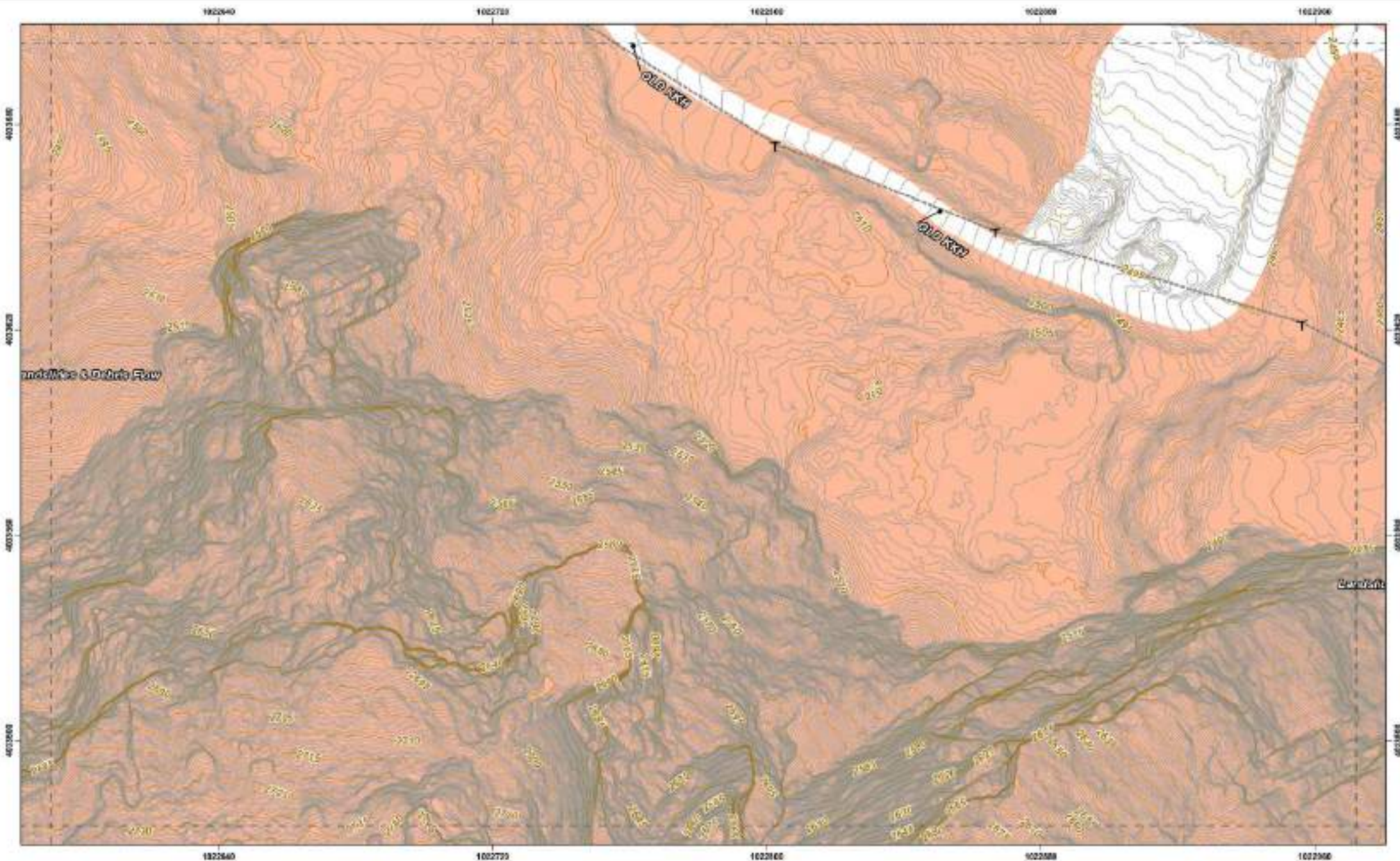
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Page 38 of 73

SCALE BAR

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CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: HESRAK HOUSE, 1-2, BLOCK B
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

Control Point	Water Control	Proposed Road
Spot	Stream	Intersect
Topographic Point	Old Lake	Over
Survey	Highland Point	Canal
DL Line	Hydro	Bridge
Topographic Line	Water	Shed
Intersecting Control	Water Dam	U.T. 1000 Line

INDEX MAP



DISCLAIMER

- This Map has been prepared by A.T.T. Engineering Services Pvt. Ltd. (hereinafter referred to as "A.T.T. Engineering Services Pvt. Ltd.") for the purpose of providing a visual representation of the terrain and features of the area shown on the map. The map is not to be used for any other purpose without the written consent of A.T.T. Engineering Services Pvt. Ltd.
- The map is not to be used for any other purpose without the written consent of A.T.T. Engineering Services Pvt. Ltd.
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PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

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DATE

FEB 2025

SHEET NO.

Page 42 of 73

SCALE BAR



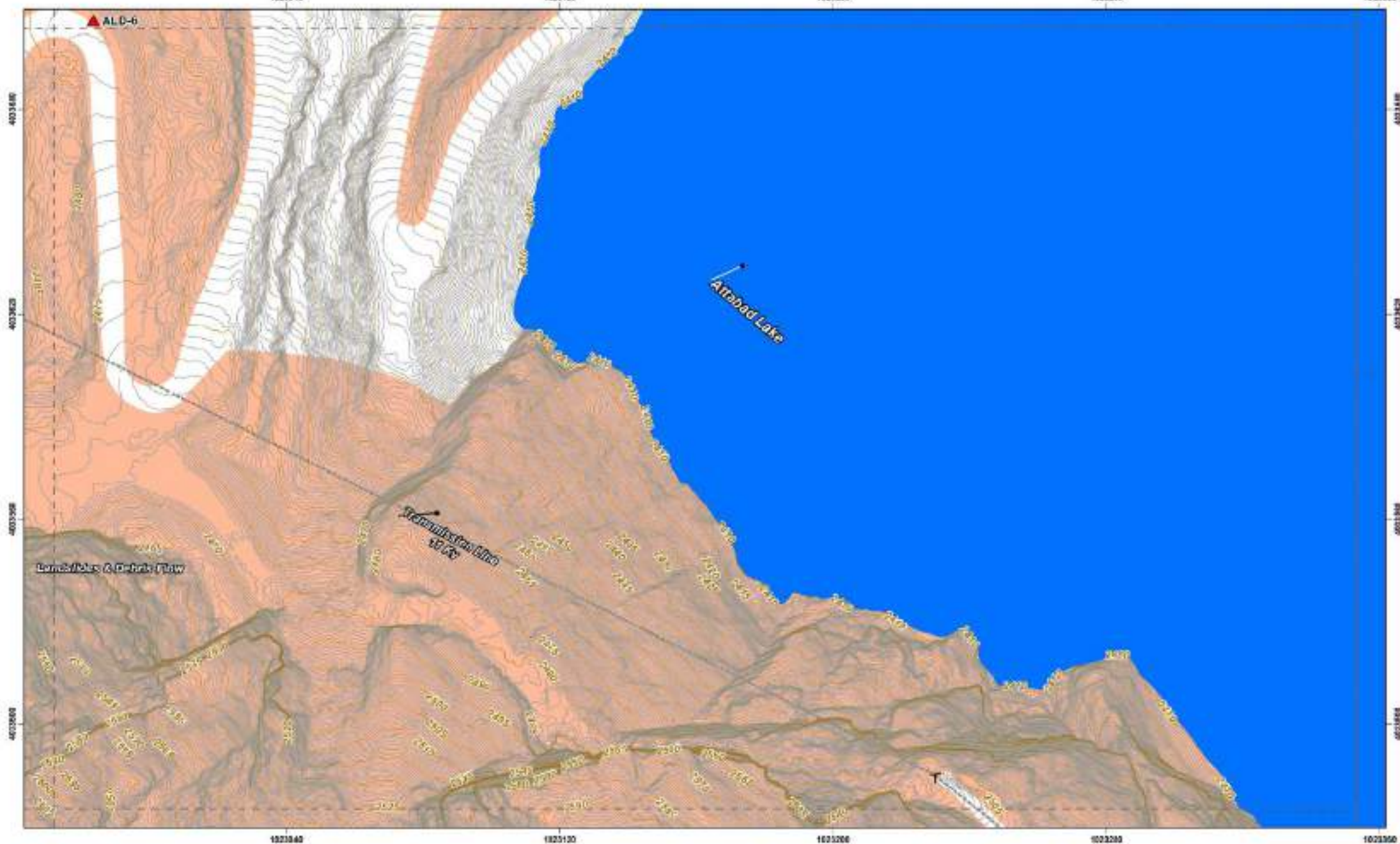
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WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: HESRAK HOUSE, 1-C, BLOCK-B
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

Control Point	Water Control	Proposed Dam
Spot	Bank	Intake
Topographic Point	Spillway	Over
Survey	Highway	Canal
DL Line	Bridge	Shed
Topographic Line	Shed	Shed
Interference Control	Shed	Shed
	Shed	Shed

INDEX MAP



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PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

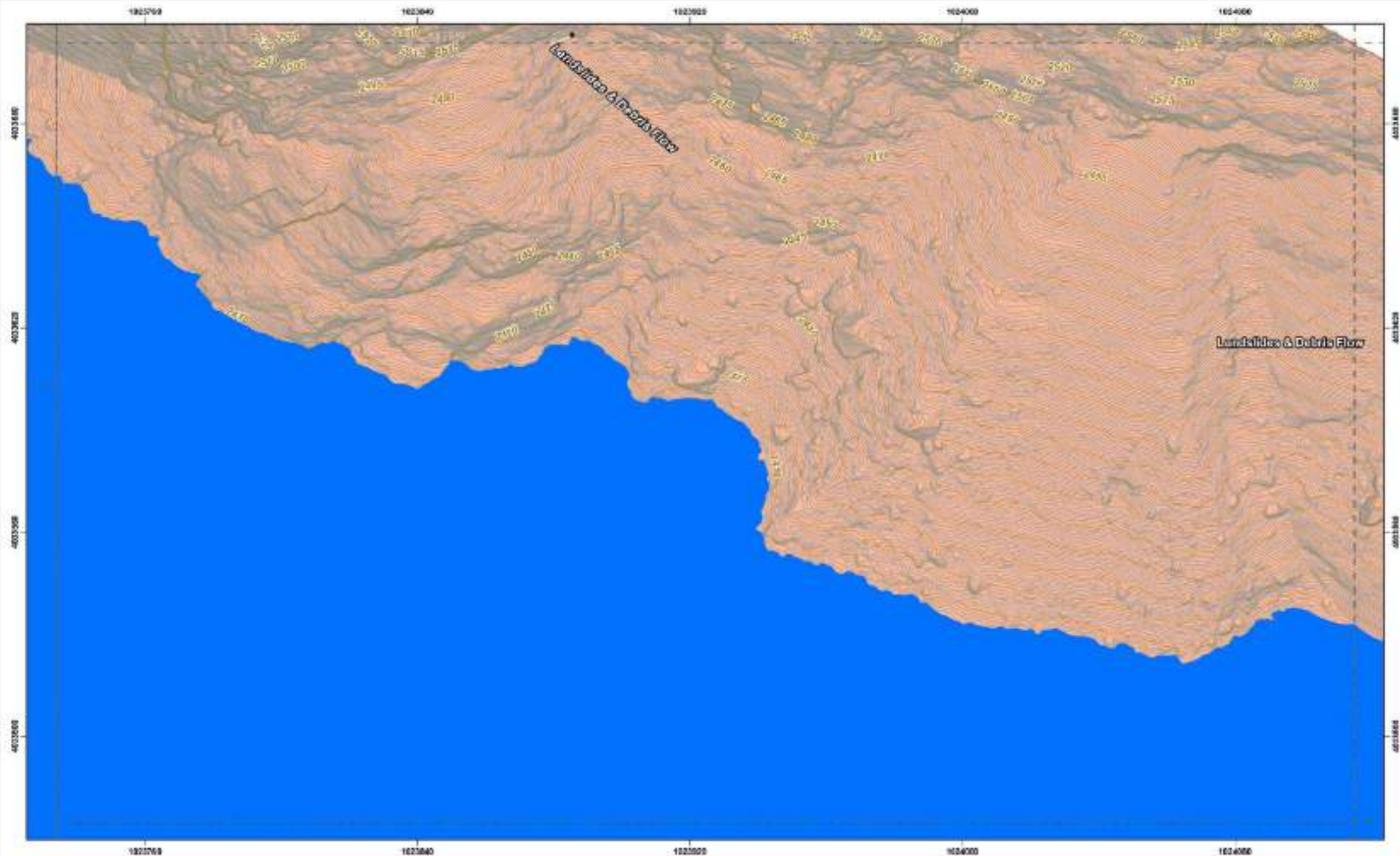
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FEB 2025

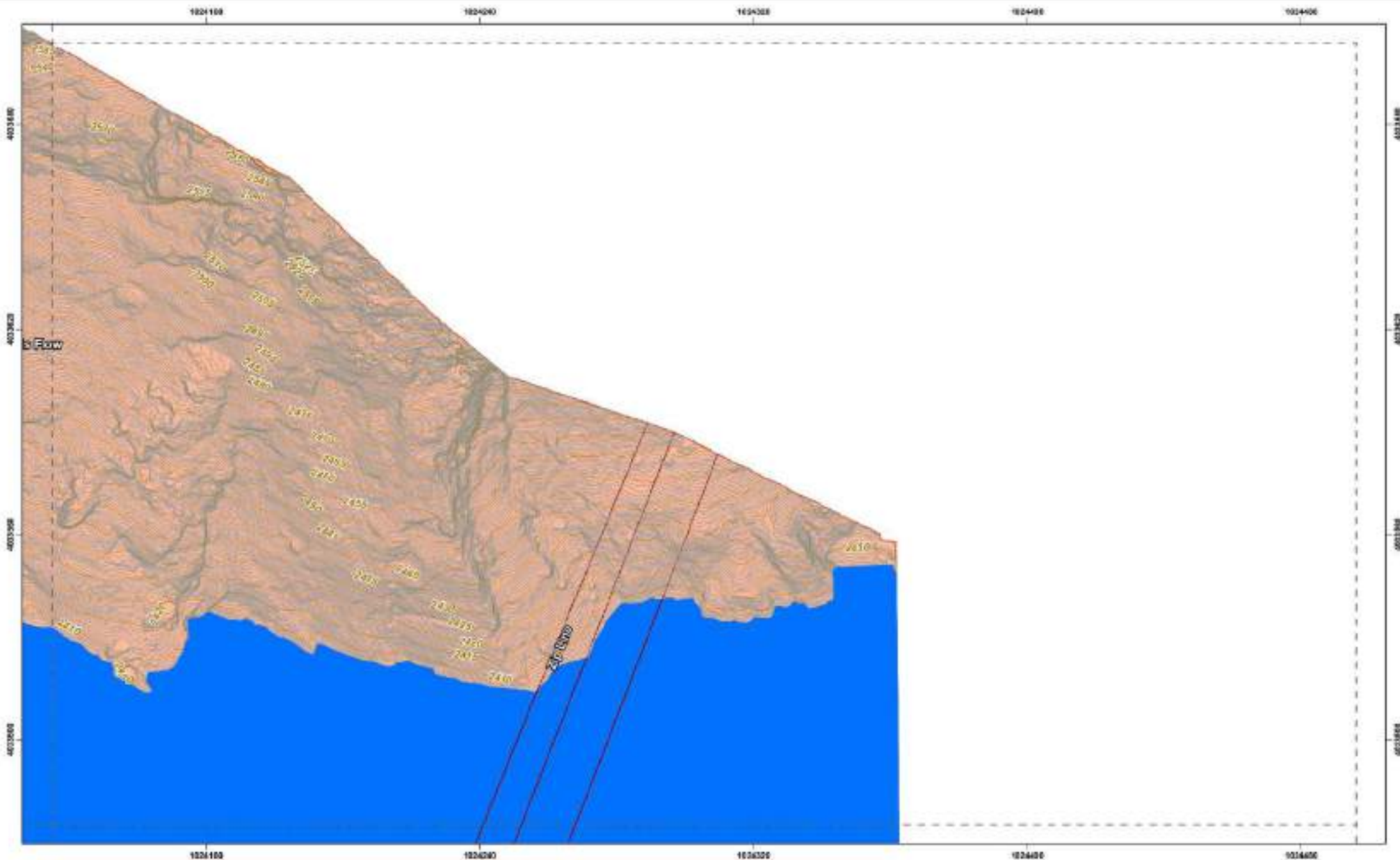
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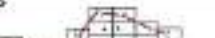
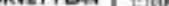
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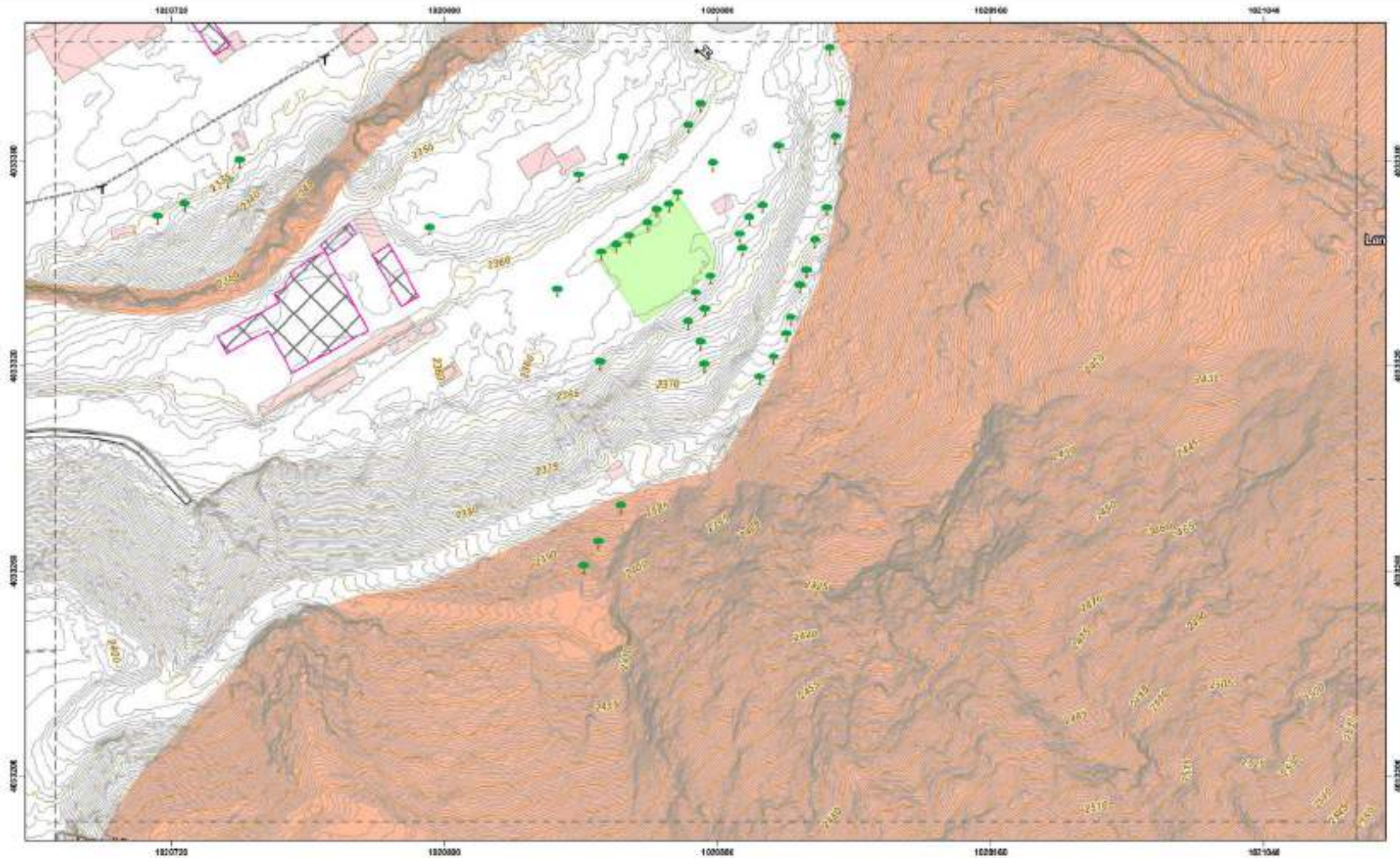
SCALE BAR



CLIENT  WATER AND POWER DEVELOPMENT AUTHORITY	CONSULTANT  ATTABAD HYDROPOWER MANAGEMENT CONSULTANTS HEAD OFFICE: H-5 PAK HOUSE, 1-C, BLOCK-B, MODEL TOWN EXTENSION, LAHORE, PAKISTAN	LEGEND Contour Line Spot Elevation Water Body Road Dam Settlement Power Line Boundary Landslide Dam Settlement Power Line Boundary Landslide Dam Settlement Power Line Boundary Landslide Dam Settlement Power Line Boundary Landslide	INDEX MAP 	DISCLAIMER 1. This Map has been prepared by National Engineering Services Pakistan PVT. LTD. (NESPAK) for the purpose of providing information only and does not constitute a contract or a warranty of any kind. The user of this map shall be responsible for its use and any liability arising therefrom shall be that of the user. 2. The map is not to be used for any purpose other than that for which it was prepared. 3. The map is not to be used for any purpose other than that for which it was prepared. 4. The map is not to be used for any purpose other than that for which it was prepared.	PROJECT ATTABAD LAKE HYDROPOWER PROJECT (54 MW)	TITLE TOPOGRAPHIC SURVEY PLAN ATTABAD LAKE DAM	SCALE 1:1000
		DATE FEB 2025	SHEET NO. Page 45 of 73	SCALE BAR 			



CLIENT  WATER AND POWER DEVELOPMENT AUTHORITY	CONSULTANT ATTABAD HYDROPOWER MANAGEMENT CONSULTANTS HEAD OFFICE: HESRAKHOLURE, T-2, REGIONAL MODEL TOWN EXTENSION, LAHORE, PAKISTAN	LEGEND Control Point Spot Topographic Profile Tunnel DL Line Topographic Line Interim/Construction Water Course Dry Lake Agricultural Land Irrigation Road Landmark Point Proposed Road Interim Open Canal Bridge Shed U.T. 1000 LPS INDEX MAP  DISCLAIMER 1. This Map has been prepared by National Engineering Services Pakistan PVT. LTD. (NESPAK) for the purpose of providing information only. It does not constitute a contract and shall not be used for any purpose other than that for which it was prepared. 2. The responsibility for the accuracy of the information and the results of the map made hereon rests with the project authority/contractor through whom the map was prepared. 3. This information is not to be used for any purpose other than that for which it was prepared. 4. Any use, copy or reproduction of this map or any part thereof without the written permission of NESPAK is prohibited. NESPAK shall not be held responsible for any damage, if any, suffered by any third party as a result of any use of this map. PROJECT ATTABAD LAKE HYDROPOWER PROJECT (54 MW) TITLE TOPOGRAPHIC SURVEY PLAN ATTABAD LAKE DAM SCALE 1:1000 DATE FEB 2025 SHEET NO. Page 48 of 73 SCALE BAR 
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CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: H-5/PAK HOUSE, 1-C, BLOCK M
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

- | | | |
|----------------------|----------------|---------------|
| Control Point | Water Control | Proposed Road |
| Spot | Stream | Intersect |
| Topographic Point | Site Limit | Open |
| Survey | Highland Point | Gravel |
| DL Line | Stream | Bridge |
| Topographic Line | Stream | Bed |
| Intersecting Contour | Stream | DL Line |
| | Stream | DL Line |

INDEX MAP



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PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

DATE

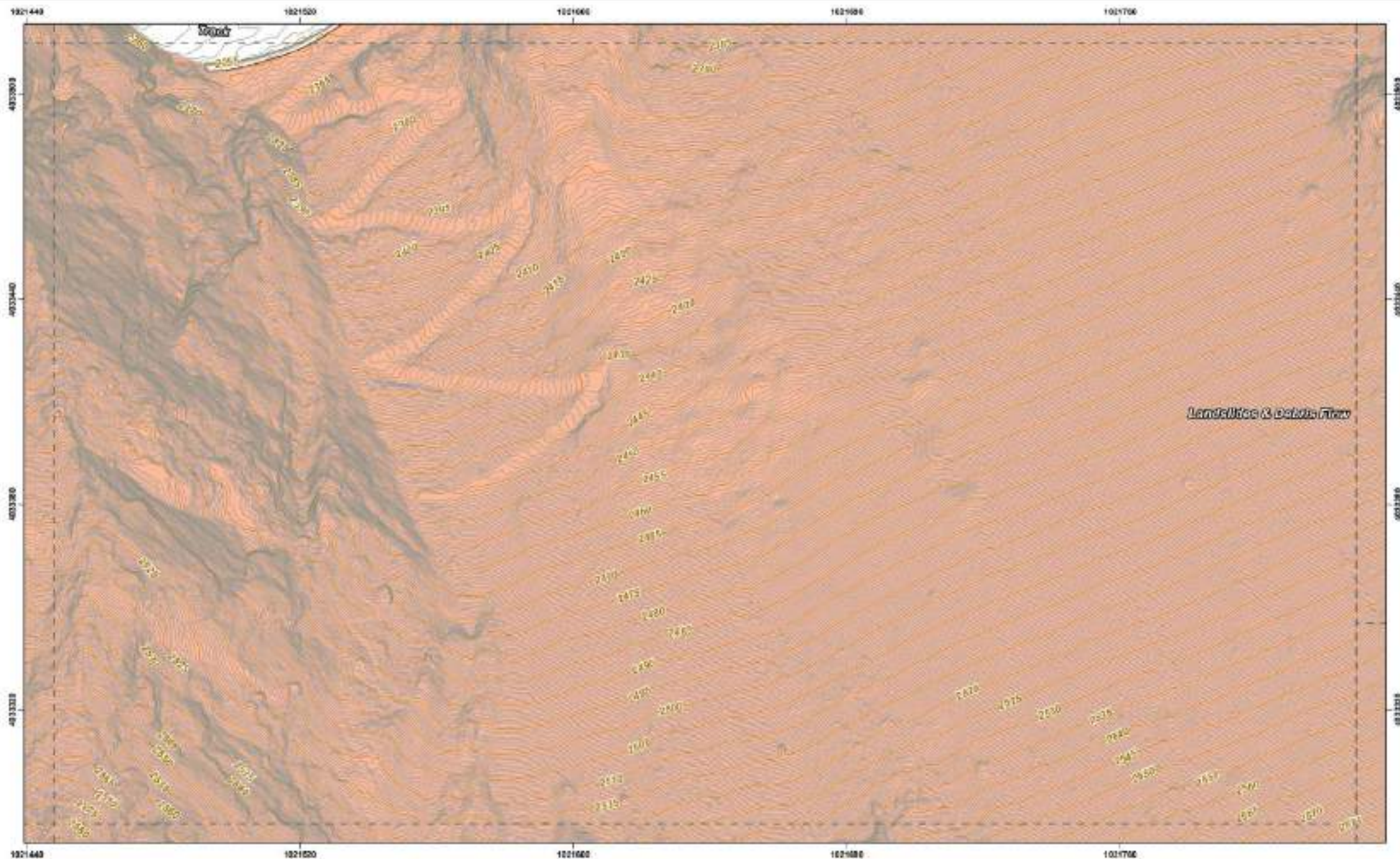
FEB 2025

SHEET NO.

Page 50 of 73

SCALE BAR





CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: H-5/PAK HOUSE, 1-2, BLOCK-B
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

- Contour Line
- Spot Height
- Water Course
- Drain
- Canal
- Bridge
- Structure
- Landslide Area

INDEX MAP



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PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

DATE

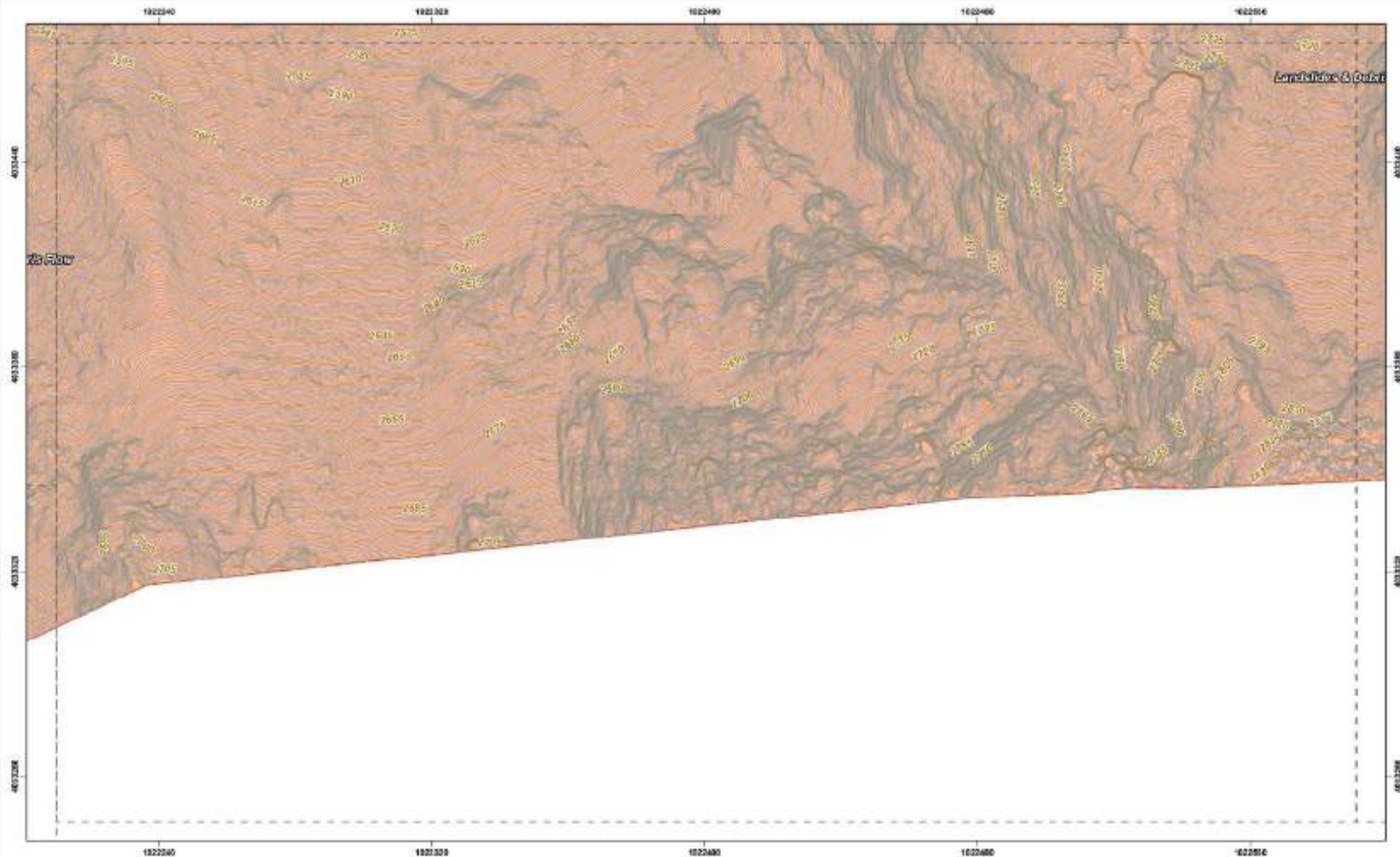
FEB 2025

SHEET NO.

Page 62 of 73

SCALE BAR

0 1 2 3 4



CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: HESRAK HOUSE, 1-C, BLOCK B
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

- Control Point
- Spot
- Topographic Point
- Survey
- DL Line
- Topographic Line
- Intermittent Contour
- Water Contour
- Spot
- DL Line
- Topographic Line
- Intermittent Contour
- Landslide Debris
- Threatened Area
- Intermittent
- Spot
- Contour
- Bridge
- Spot
- DL Line

INDEX MAP



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PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

DATE

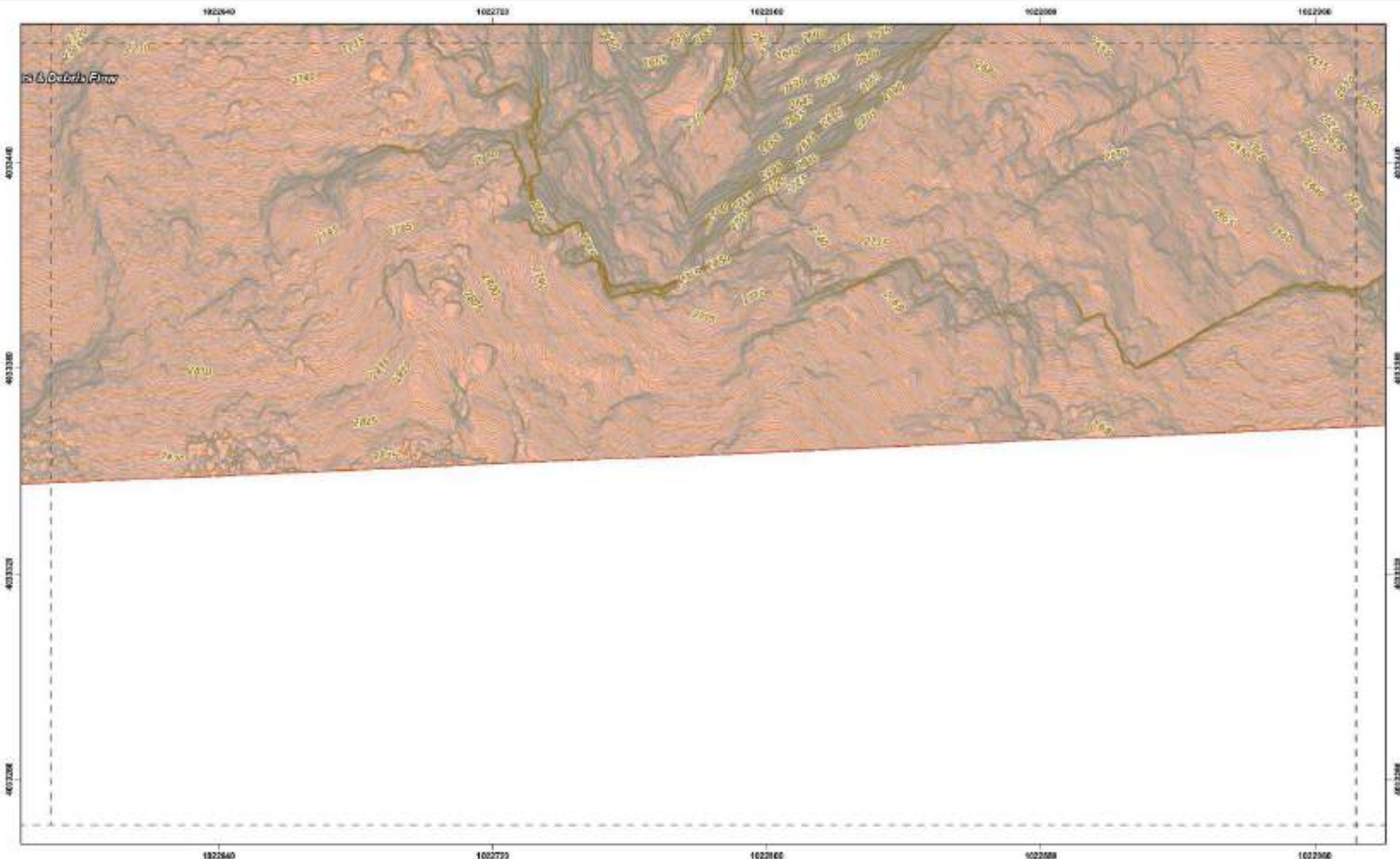
FEB 2020

SHEET NO.

Page 54 of 73

SCALE BAR





CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: HESRAK HOUSE, 1-C, REGIONAL
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

	Control Point		Water Contour		Proposed Dam
	Spot Height		5m Contour		Dam
	Topographic Contour		10m Contour		Dam
	Dam		15m Contour		Dam
	Dam		20m Contour		Dam
	Dam		25m Contour		Dam
	Dam		30m Contour		Dam
	Dam		35m Contour		Dam
	Dam		40m Contour		Dam
	Dam		45m Contour		Dam
	Dam		50m Contour		Dam

INDEX MAP



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PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

DATE

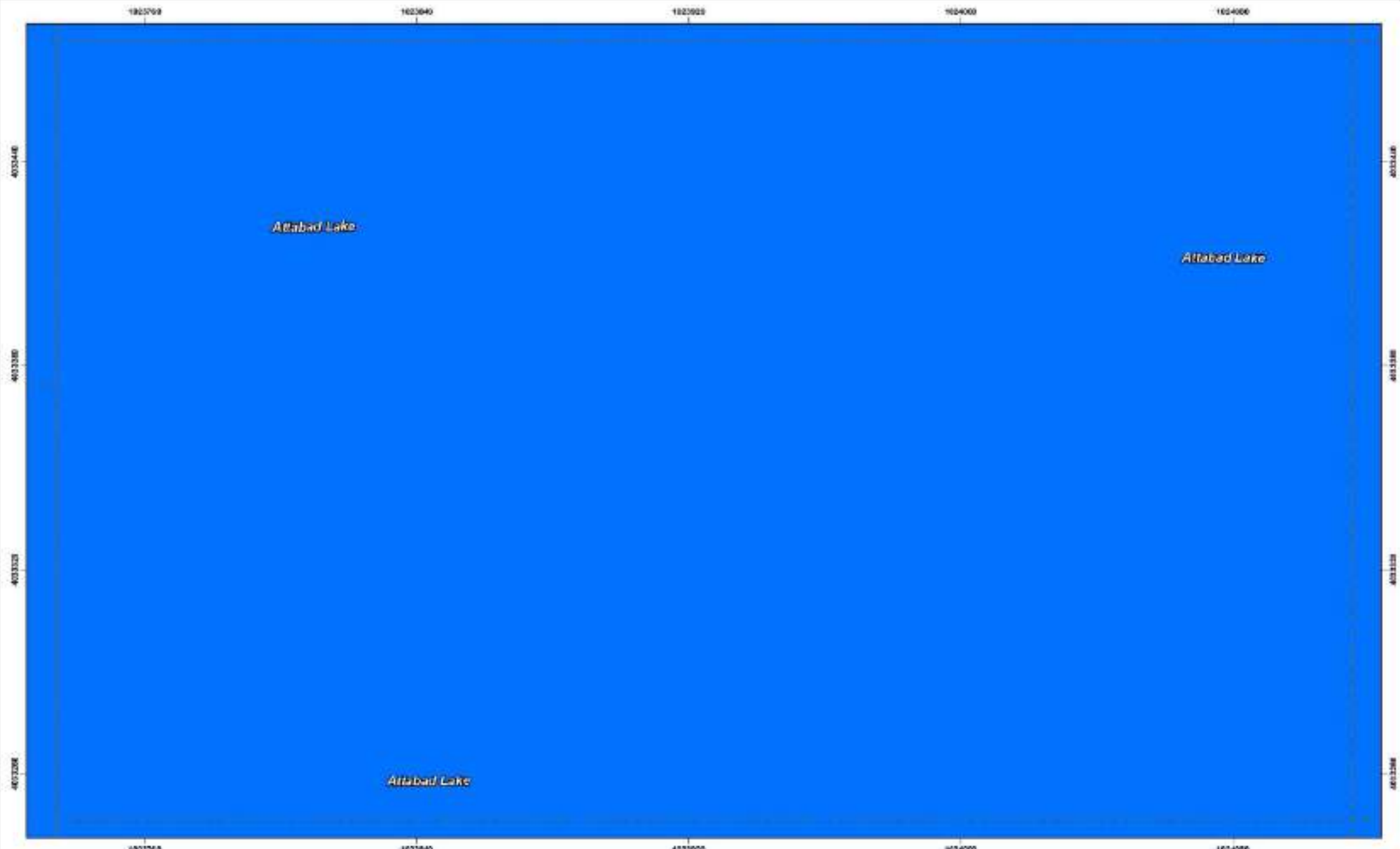
FEB 2025

SHEET NO.

Page 55 of 73

SCALE BAR





CLIENT



**WATER AND POWER
DEVELOPMENT AUTHORITY**

CONSULTANT



**ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS**

HEAD OFFICE: HESRAK HOUSE, 1-C, BLOCK-B
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

Control Point	Water Control	Thermal Plant
Set	Canal	Intake
Topographic Point	Sea Level	Over
Survey	Hydrological Point	Canal
DL Line	Hydro	Bridge
Topographic Line	Hydro	Bed
Intermittent Control	Hydro	1:1 Scale Line
	Landmark Point	



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PROJECT

**ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)**

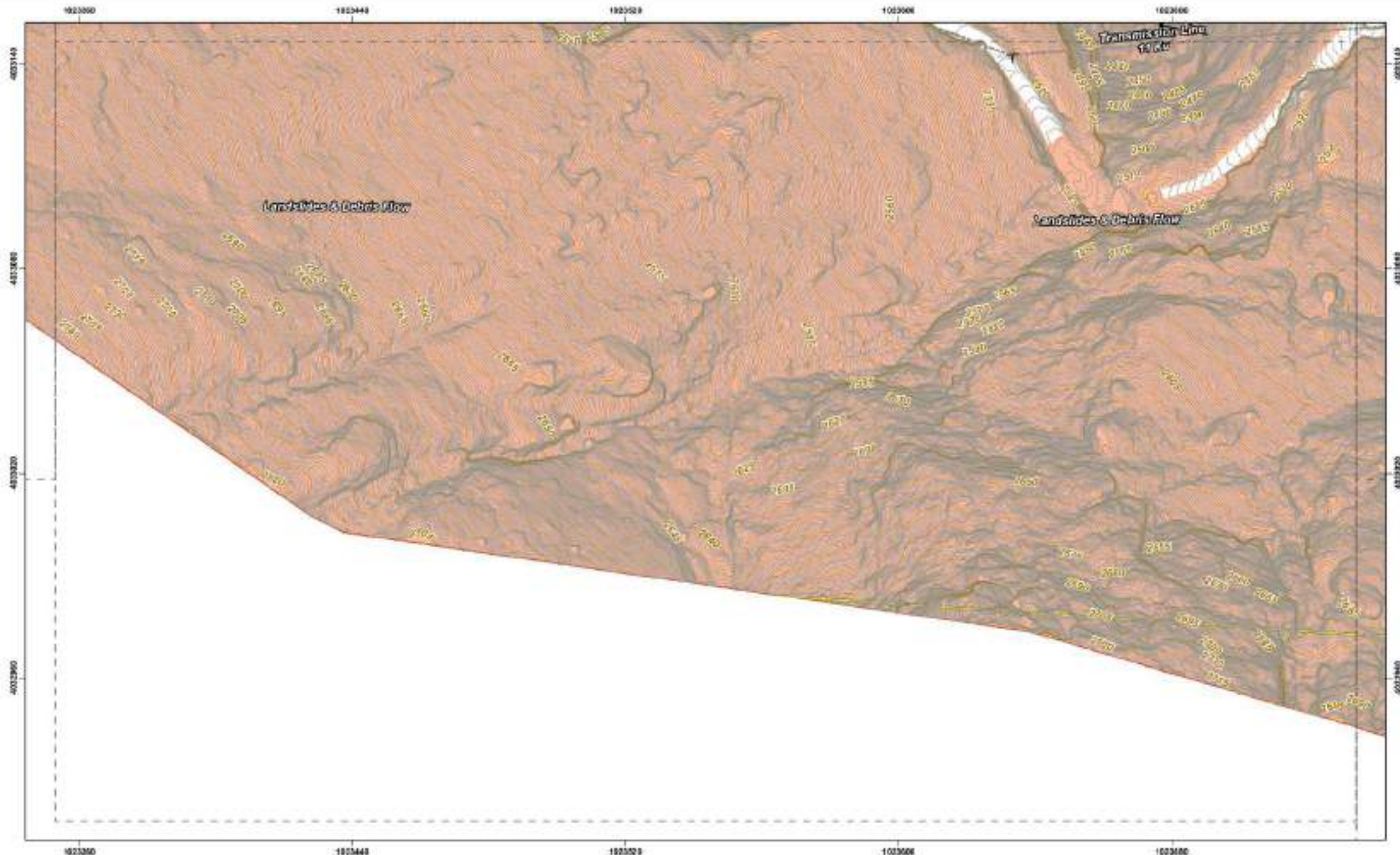
TITLE

**TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM**

DATE FEB 2025	SHEET NO. Page 58 of 73	SCALE BAR 1:1000
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SCALE

1:1000



CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: HESRAKHOLE, T-2, REGION B
MODEL TOWNSHIP EXTENSION, LAHORE, PAKISTAN

LEGEND

- | | | |
|----------------------|----------------|----------------|
| Control Point | Water Control | Proposed Dam |
| Spot | Flow | Intake |
| Topographic Point | Spillway | Over |
| Survey | Highway | Canal |
| DL Line | Bridge | Shed |
| Topographic Line | Landslide Area | U-1 (S-1) Line |
| Interference Control | | |

INDEX MAP



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PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

DATE

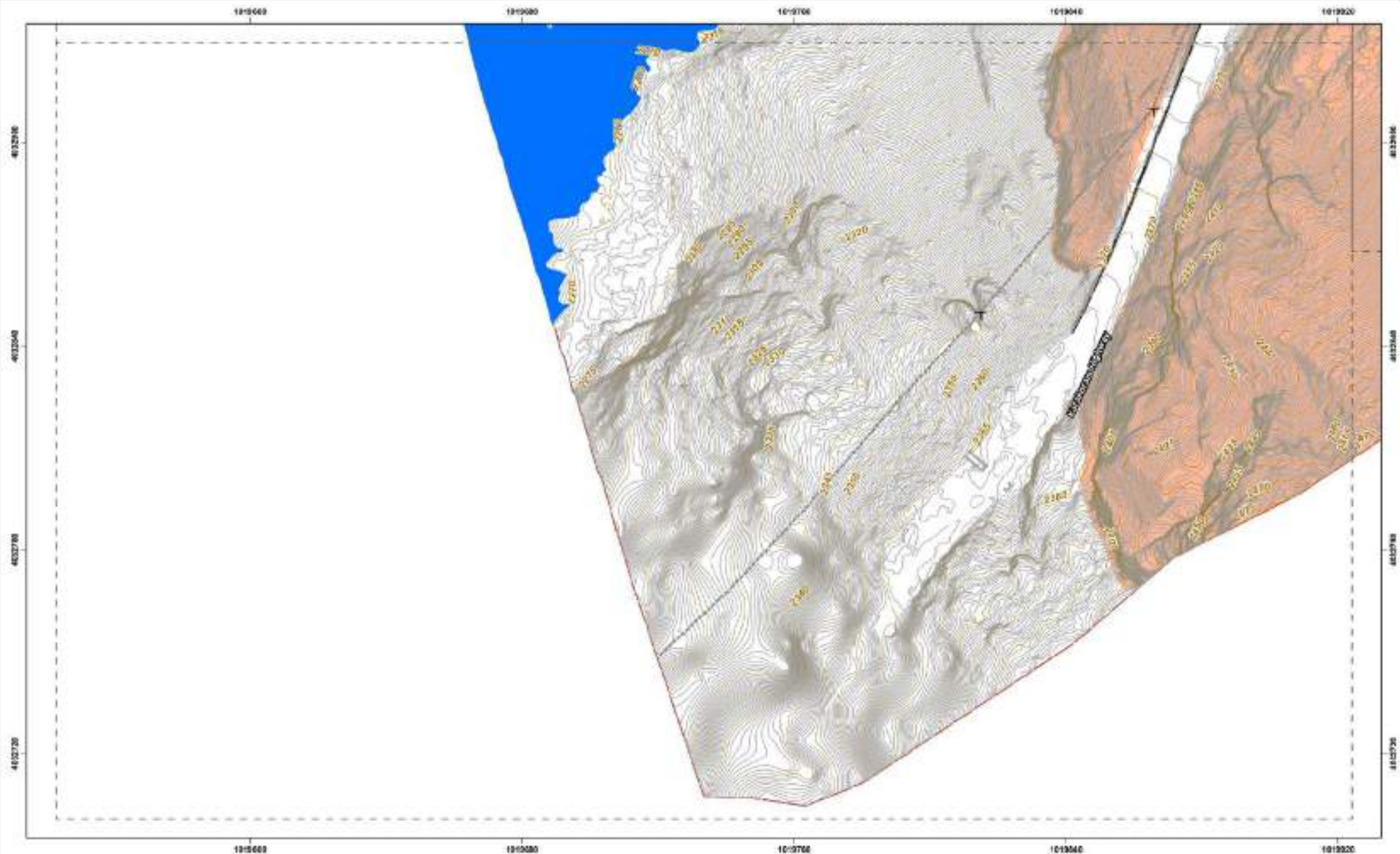
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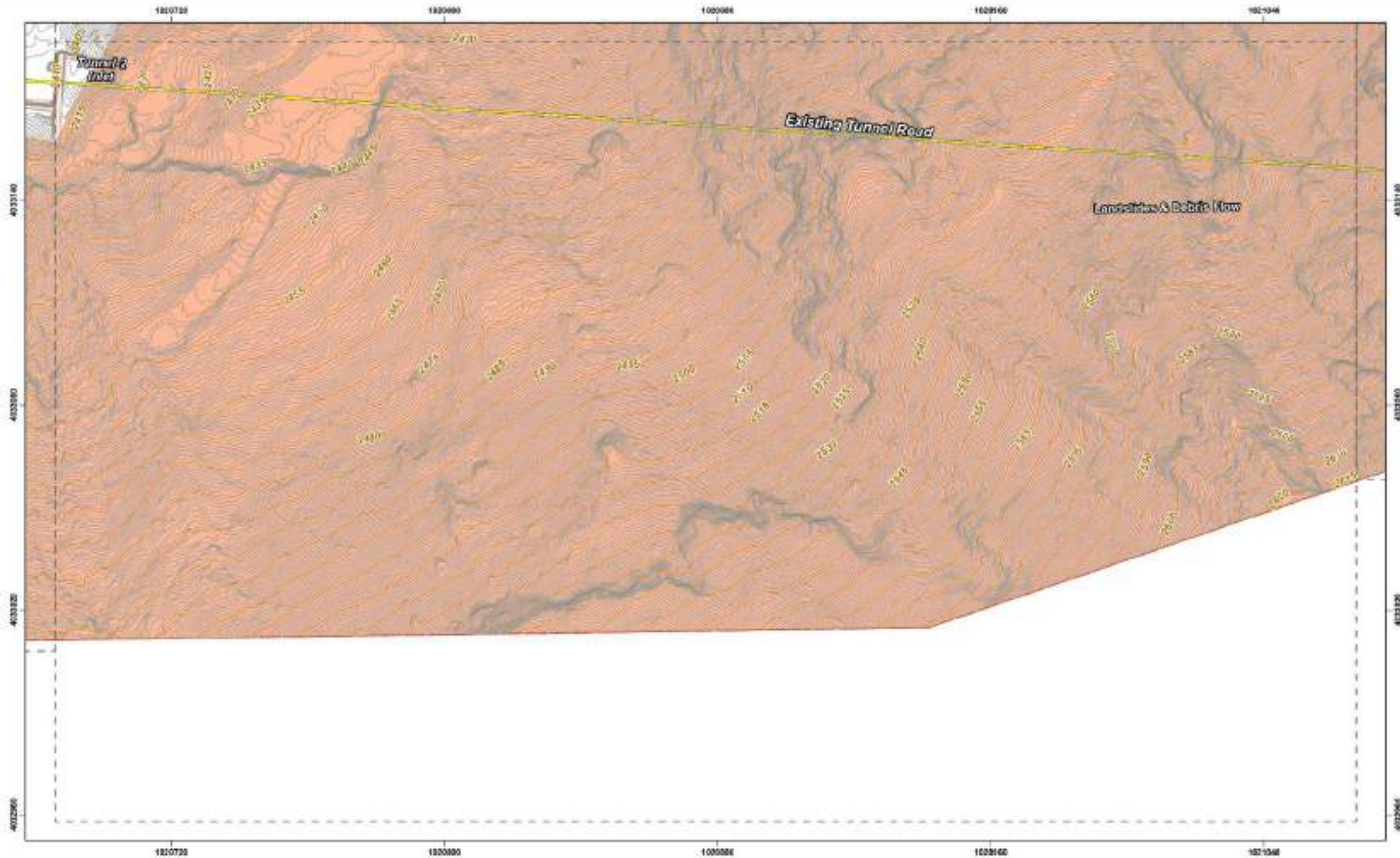
Page 47 of 73

SCALE BAR





CLIENT  WATER AND POWER DEVELOPMENT AUTHORITY	CONSULTANT  ATTABAD HYDROPOWER MANAGEMENT CONSULTANTS HEAD OFFICE: HESRAKHOLURE, T-2, REGIONAL MODEL TOWN EXTENSION, LAHORE, PAKISTAN	<div>LEGEND</div> <div><div><div><div> Contour Line</div><div> Spot Elevation</div><div> Water Body</div><div> Road</div><div> Settlement</div><div> Dam</div><div> Power Line</div><div> Communication Line</div></div><div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div></div><div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div></div></div><div><div><div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div></div><div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div></div><div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div> Dam</div><div>
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CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: HESRAK HOUSE, 1-C, REGIONAL
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

Control Point	Water Control	Proposed dam
Not	Not	Intake
For project file	For project file	Over
Tunnel	Highland path	Canal
DL Line	Hydro	Bridge
For project file	Hydro	Shed
Interconnection	Hydro	U. 1. 0.00 LPS
	Landmark	

INDEX MAP



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PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

DATE

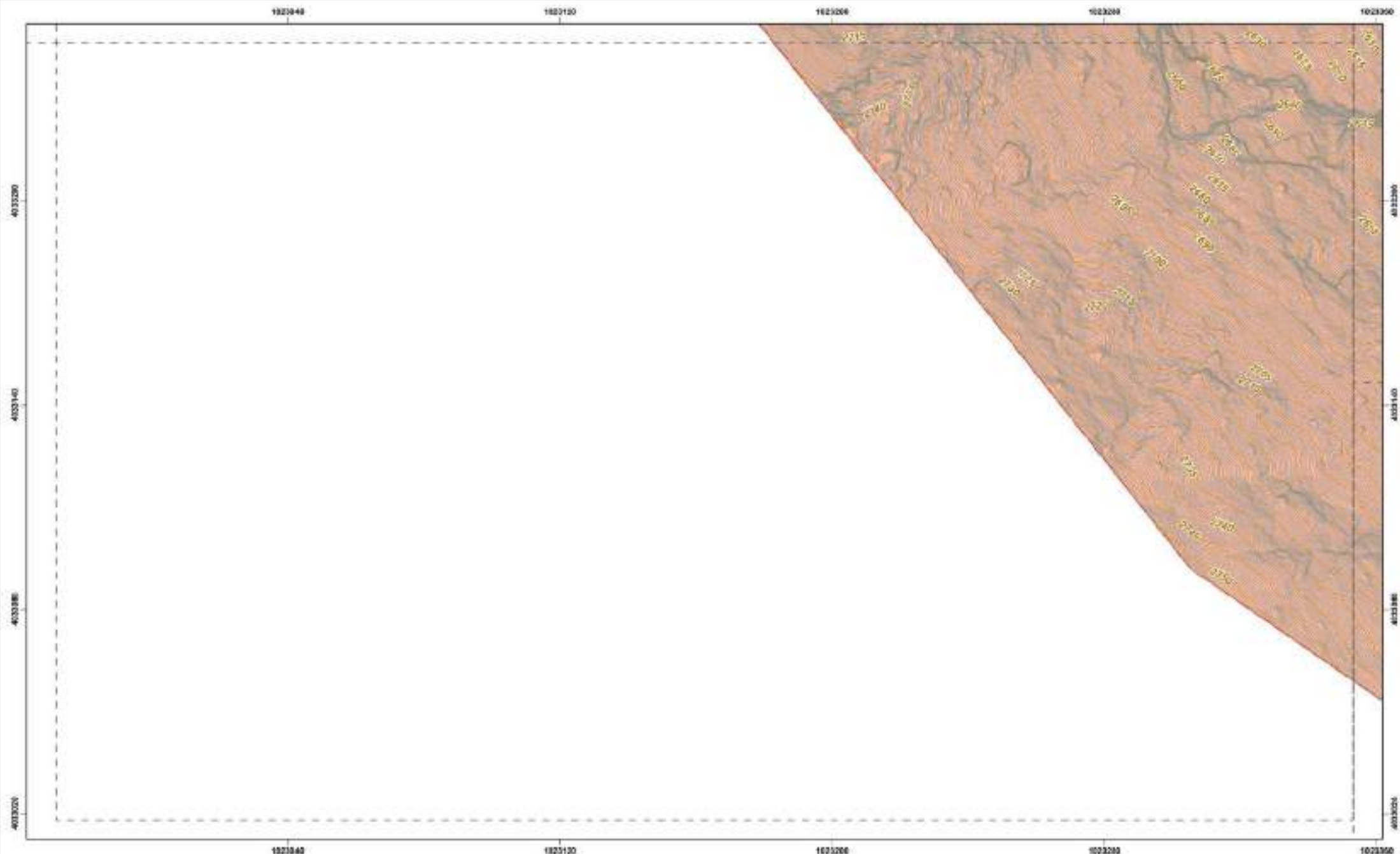
FEB 2026

SHEET NO.

Page 63 of 73

SCALE BAR





CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: HESRAH HOUSE, 1-C, BLOCK B
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

Control Point	Water Control	Transport Road
Set	Bank	Intersect
Topographic Point	Highland Point	Over
Survey	Hydro	Canal
DL Line	Stream	Bridge
Topographic Line	Stream	Shed
Intersecting Center	Stream	DL Line
	Stream	DL Line

INDEX MAP



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PROJECT

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HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

DATE

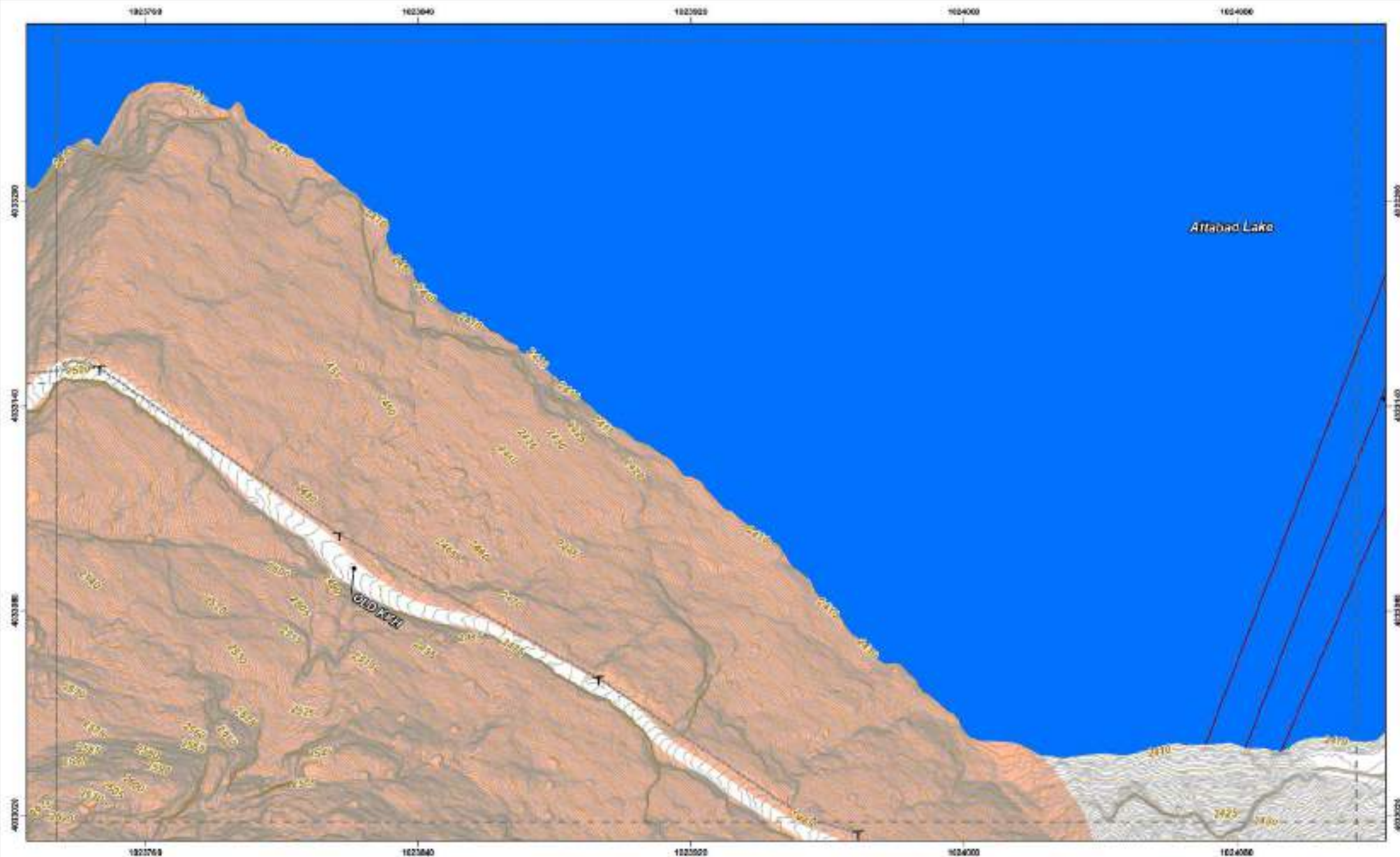
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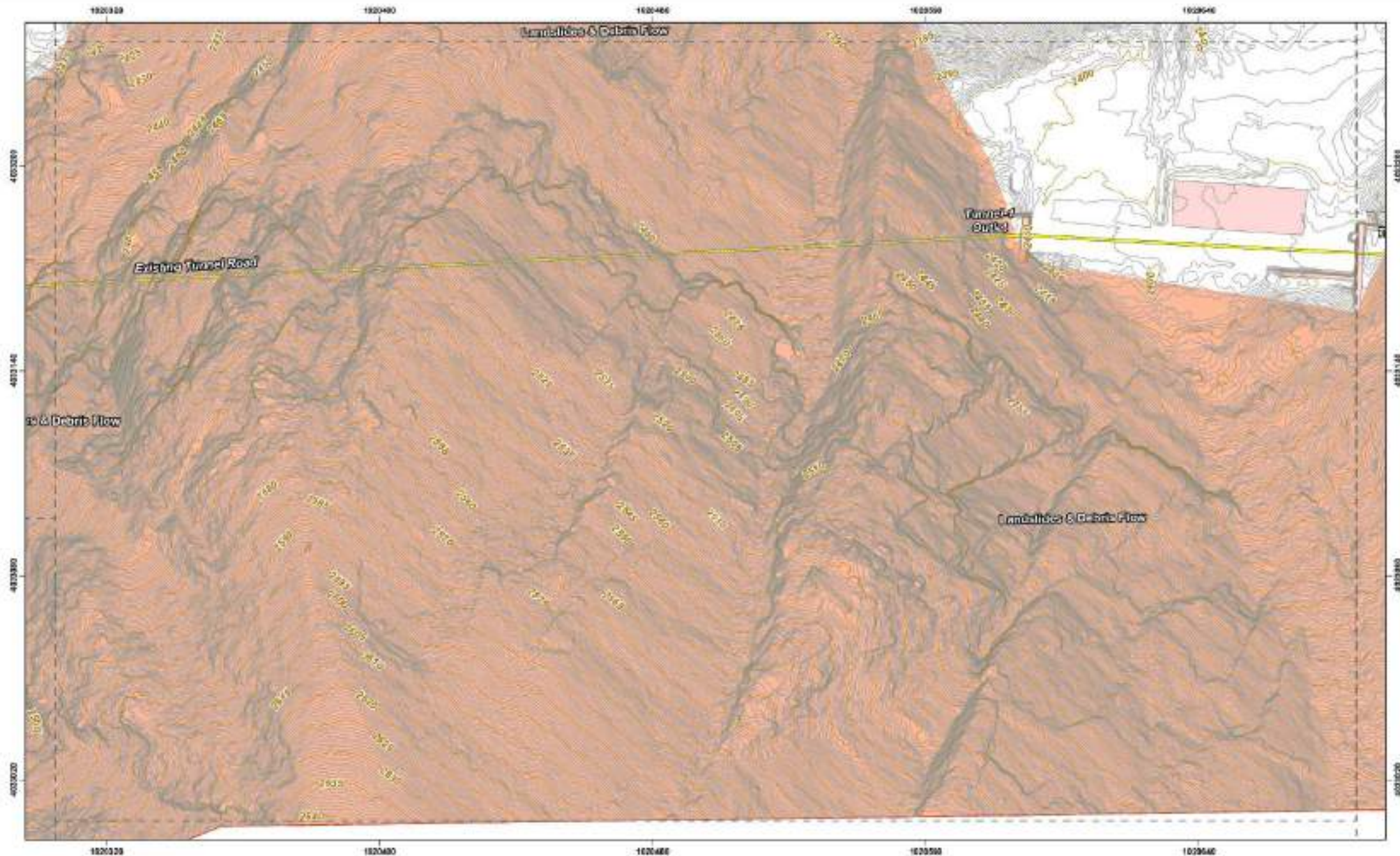
SHEET NO.

Page 66 of 73

SCALE BAR



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DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: HESRAK HOUSE, 1-2, BLOCK-B
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

Control Point	Water Control	Proposed wall
Spot	River	Intake
Topographic Profile	Dry Land	Dam
Tunnel	Agricultural plot	Canal
Oil Line	Irrigation	Bridge
Topographic Line	Road	Shed
Interlocking Concrete	Pipeline	U.T. (Under Tunnel)
Landslide Zone		

INDEX MAP



DISCLAIMER

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PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

DATE

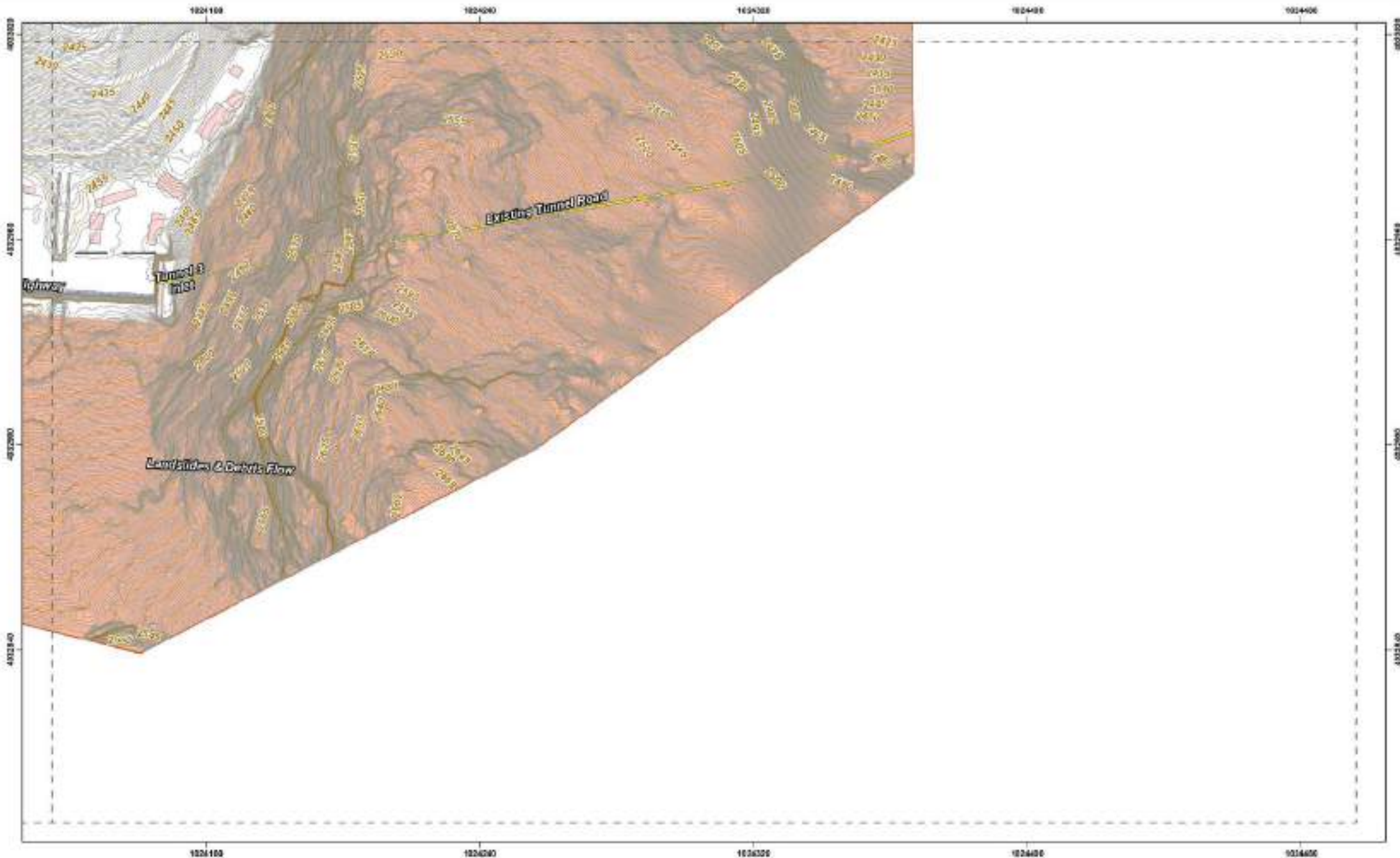
FEB 2025

SHEET NO.

Page 62 of 73

SCALE BAR

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CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: HESRAK HOUSE, 1-C, BLOCK-B
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

Control Point	Water Control	Proposed Road
Spot	Bank	Intersect
Topographic Point	Site Limit	Open
Tunnel	Highland point	Canal
DL Line	Bridge	Bridge
Topographic Line	Shed	Shed
Intersecting Center	Shed	Shed
	Landslide Area	Landslide Area

INDEX MAP



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PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

DATE

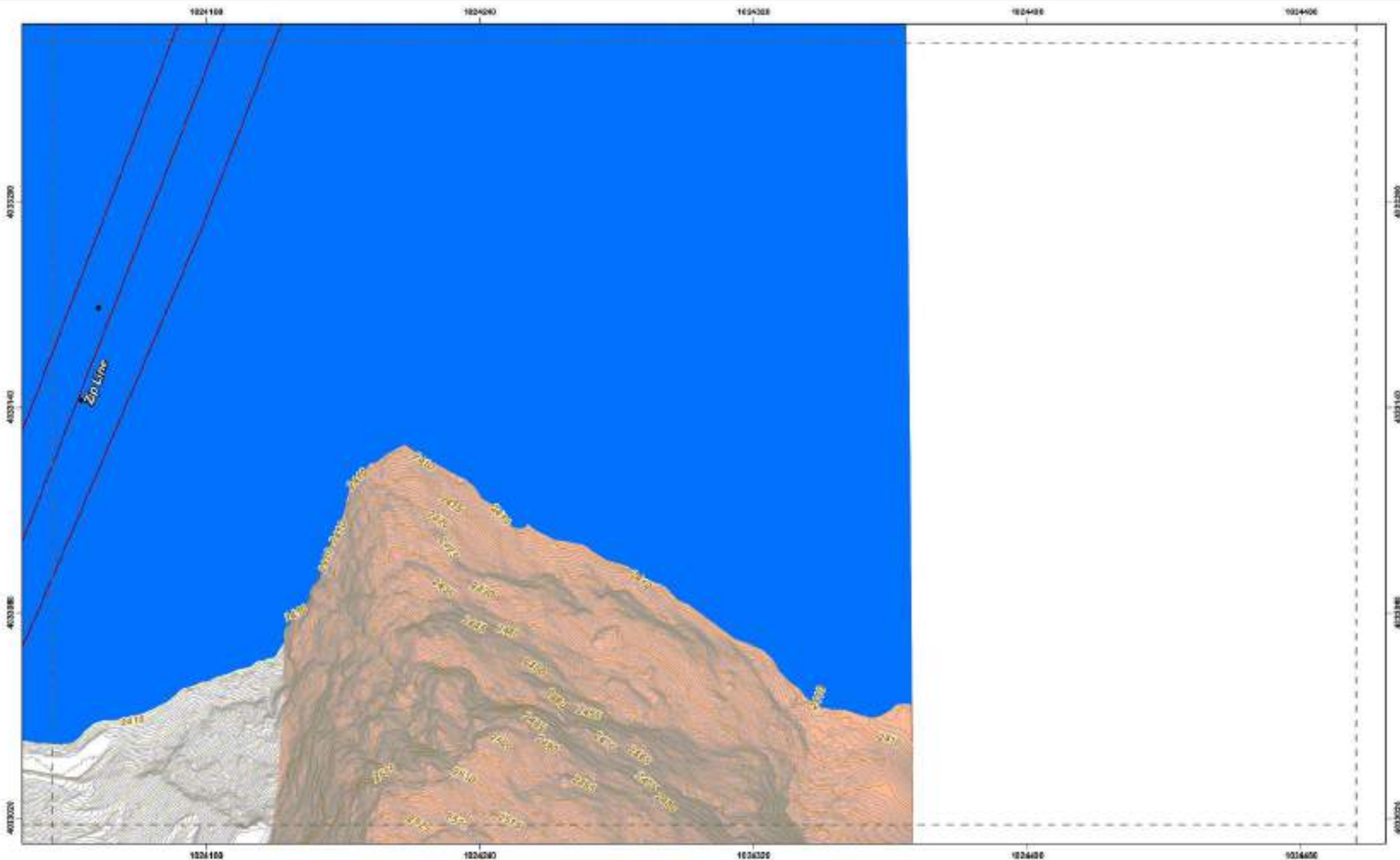
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SHEET NO.

Page 72 of 73

SCALE BAR





CLIENT



WATER AND POWER
DEVELOPMENT AUTHORITY

CONSULTANT



ATTABAD HYDROPOWER
MANAGEMENT CONSULTANTS

HEAD OFFICE: H-5/PAK HOUSE, 1-C, BLOCK-B
MODEL TOWN EXTENSION, LAHORE, PAKISTAN

LEGEND

Control Point	Water Control	Thermal Unit
Set	Bank	Intake
Topographic Point	Spill Gate	Over
Survey	Highwater Point	Canal
DL Line	Hydro	Bridge
Topographic Line	Spill	Shed
Interference Control	Landmark Point	U-1 (S-1) Line

INDEX MAP



DISCLAIMER

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PROJECT

ATTABAD LAKE
HYDROPOWER
PROJECT (54 MW)

TITLE

TOPOGRAPHIC SURVEY PLAN
ATTABAD LAKE DAM

SCALE

1:1000

DATE

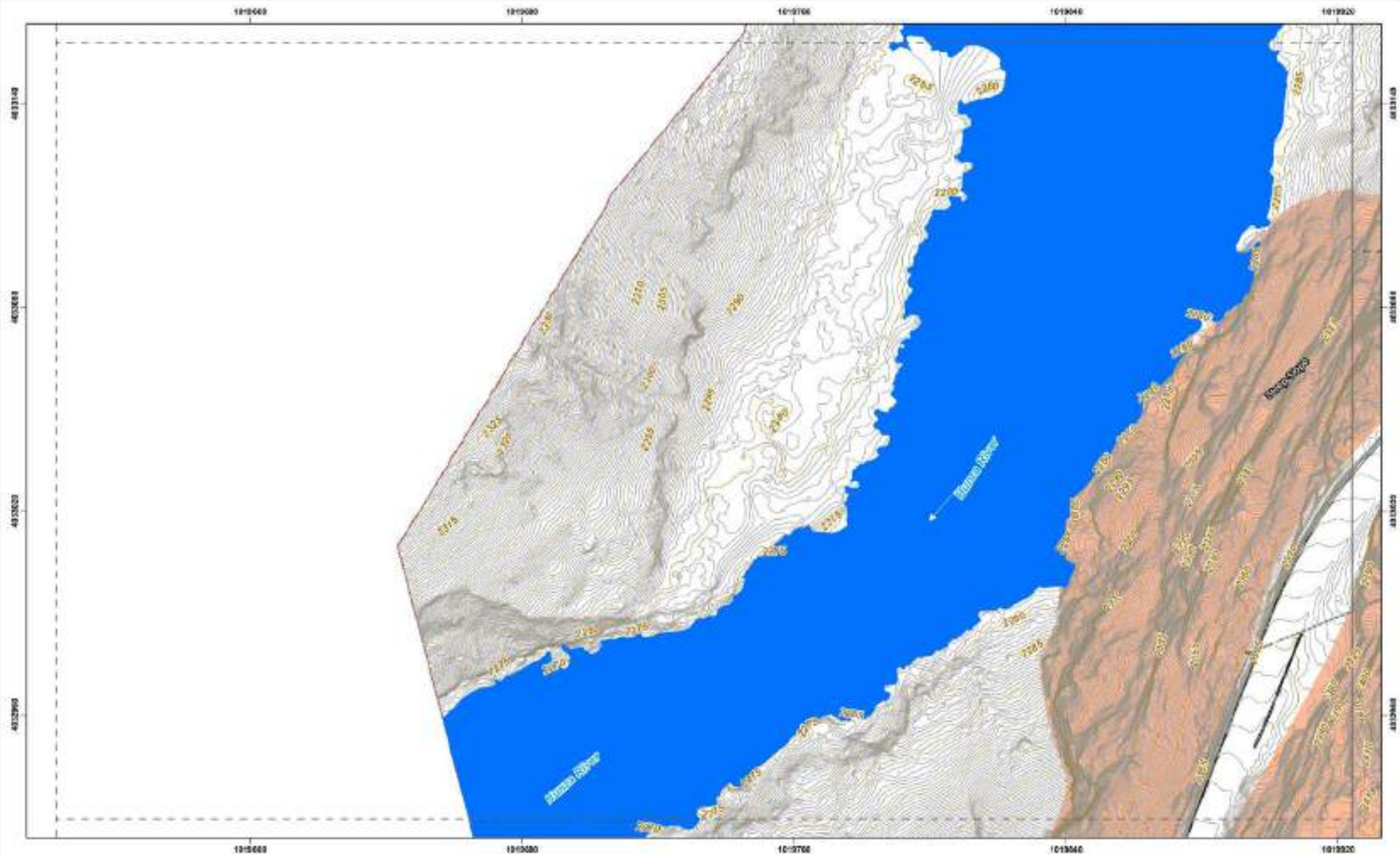
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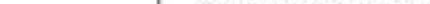
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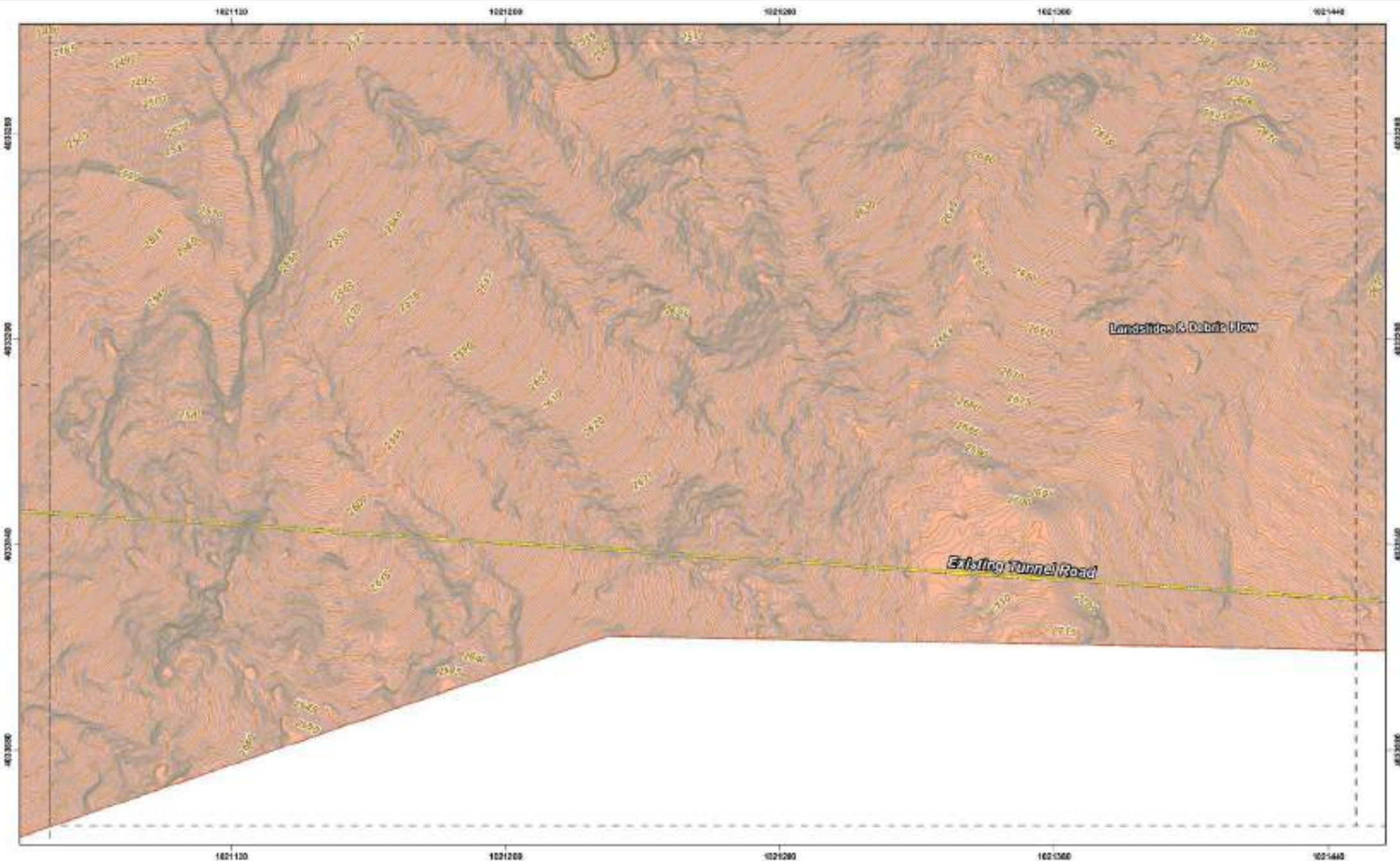
Page 69 of 73

SCALE BAR





CLIENT  RATZKE AND POWER DEVELOPMENT AUTHORITY	CONSULTANT  ATTABAD HYDROPOWER MANAGEMENT CONSULTANTS HEAD OFFICE: H-5/PAK HOUSE, 1-C, BLOCK-B, MODEL TOWN EXTENSION, LAHORE, PAKISTAN	LEGEND  Control Point  Spot  Topographic Point  Tunnel  Drill Line  Topographic Line  Interim Control  Water Control  Bank  Spillway  Highway  Bridge  Shed  Landmark  Proposed dam  Intake  Over  Concrete  Steel  U. T. 1000 LPS	INDEX MAP 	DISCLAIMER 1. This Map has been prepared by National Engineering Services Pakistan PVT. Ltd. exclusively for the purpose of the project and shall not be used for any other purpose without the written consent of the project authority. 2. The project authority shall be responsible for the accuracy of the data and information provided to the project authority. 3. The project authority shall be responsible for the accuracy of the data and information provided to the project authority. 4. The project authority shall be responsible for the accuracy of the data and information provided to the project authority.	PROJECT ATTABAD LAKE HYDROPOWER PROJECT (54 MW)	TITLE TOPOGRAPHIC SURVEY PLAN ATTABAD LAKE DAM	SCALE 1:1000
					DATE FEB 2025	SHEET NO. Page 70 of 73	SCALE BAR 



CLIENT  WATER AND POWER DEVELOPMENT AUTHORITY	CONSULTANT  ATTABAD HYDROPOWER MANAGEMENT CONSULTANTS HEAD OFFICE: HESRAK HOUSE, 1-C, REGIONAL MODEL TOWN EXTENSION, LAHORE, PAKISTAN	LEGEND Contour Line Spot Elevation Water Feature Road Settlement Dam Landslide Contour Line Spot Elevation Water Feature Road Settlement Dam Landslide Contour Line Spot Elevation Water Feature Road Settlement Dam Landslide	INDEX MAP 	DISCLAIMER 1. This Map has been prepared by National Engineering Services Pakistan PVT. Ltd. exclusively for the purpose of the project and shall not be used for any other purpose without the written consent of the project owner. 2. The project owner shall be responsible for the accuracy of the data and information provided to the project owner. 3. The project owner shall be responsible for the accuracy of the data and information provided to the project owner. 4. The project owner shall be responsible for the accuracy of the data and information provided to the project owner.	PROJECT ATTABAD LAKE HYDROPOWER PROJECT (54 MW)	TITLE TOPOGRAPHIC SURVEY PLAN ATTABAD LAKE DAM SCALE 1:1000 DATE FEB 2025 SHEET NO. Page 68 of 73 SCALE BAR 
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