
Route Survey Report

Jogbani Nepal Border

To

Arun-3 Project Nepal

Synopsis

We take this opportunity by presenting a 'ROUTE FEASIBILITY STUDY REPORT' to our esteemed client M/s. BHEL Bhopal for providing better guide lines about the feasible routes for safe & speedy Road transportation of Over Dimension Consignments (O.D.C) from Jogbani India Nepal Border to Arun-3 Project Site Nepal.

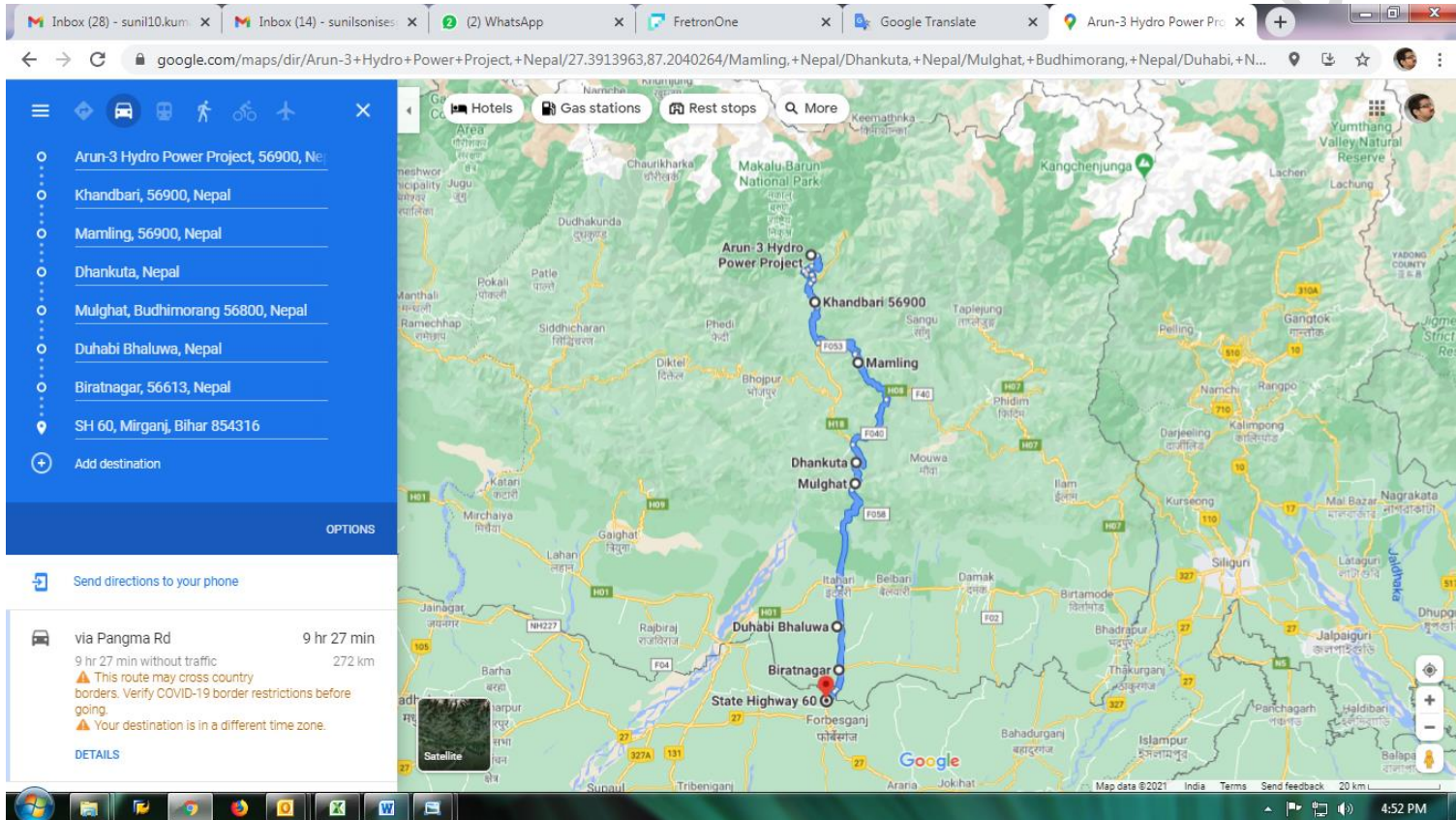
With the given details of dimensions and weight, we have not only explored but studied in details all the possible routes for the given origin & destination. We are giving detail of most feasible and safe route only.

Given route may be diverted at the time of movement due to any local condition in interest of safety of cargo.

- Loading Location: Jogbani Indo-Nepal Border
- Unloading Location: Arun-3 Project
- Distance: Approx. : 286 Km
- Material: Project Material

Route Map:-

Mirganj – Jogbani – Biratnagar – Duhabi – Itehari – Dharan – Mulghat – Dhankuta – Jorpati – Sindhuwa – Basantpur – Mamling – Chainpur – Tumlingtar – Khandbari – ARUN-3 Project Site.



<https://www.google.com/maps/dir/Arun-3+Hydro+Power+Project,+Nepal/27.3913963,87.2040264/Mamling,+Nepal/Dhankuta,+Nepal/Mulghat,+Budhimorang,+Nepal/Duhabi,+Nepal/Biratnagar,+Nepal/26.3738648,87.2362505/@27.0517285,86.9704666,9z/data=!4m55!4m54!1m20!1m1!1s0x39e8c025256613bd:0xbcb1522e01f6726d!2m2!1d87.1940982!2d27.5104505!3m4!1m2!1d87.1722355!2d27.4670731!3s0x39e8c105c0de2777:0x3c111fcf423bdf7!3m4!1m2!1d87.1949646!2d27.4564426!3s0x39e8c0e98ad4a991:0x791f899b867a7f53!3m4!1m2!1d87.1864939!2d27.4185967!3s0x39e8c72f30b9beb1:0x7442082dba67694e!1m0!1m5!1m1!1s0x39e8b3d98c762f1f:0x5dddf0e3ad9086d9!2m2!1d87.3264588!2d27.2363334!1m5!1m1!1s0x39ef4fa5c47fd33:0xed8581b5239bc70e!2m2!1d87.3214908!2d26.9834552!1m5!1m1!1s0x39ef45c6e437c22f:0xf866d0a2d11e4aac!2m2!1d87.3177644!2d26.9289669!1m5!1m1!1s0x39ef72612c26b923:0xd2f0e2766be60408!2m2!1d87.2668072!2d26.5643793!1m5!1m1!1s0x39ef744704331cc5:0x6d9a85e45c54b3fc!2m2!1d87.271781!2d26.4524746!1m0!3e0>

DIST. (KM) FROM
Loading Site
0.00 KM

LANDMARK

Mirganj River Bridge

DESCRIPTION

Weak Bridge
328 feet long, 5 Span 72-68-68-68-52

**REMARKS/
RECOMMENDATION**

40 MT Capacity Sign Board



DIST. (KM) FROM Loading Site	LANDMARK	DESCRIPTION	REMARKS/ RECOMMENDATION
01.00 Km	Railway Line	Diesel Line 29 Feet Width	Normal Pass



1.5 km	Sine Board	18 Feet Height	Normal Pass
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DIST. (KM) FROM
Loading Site

LANDMARK

DESCRIPTION

**REMARKS/
RECOMMENDATION**

2 Km

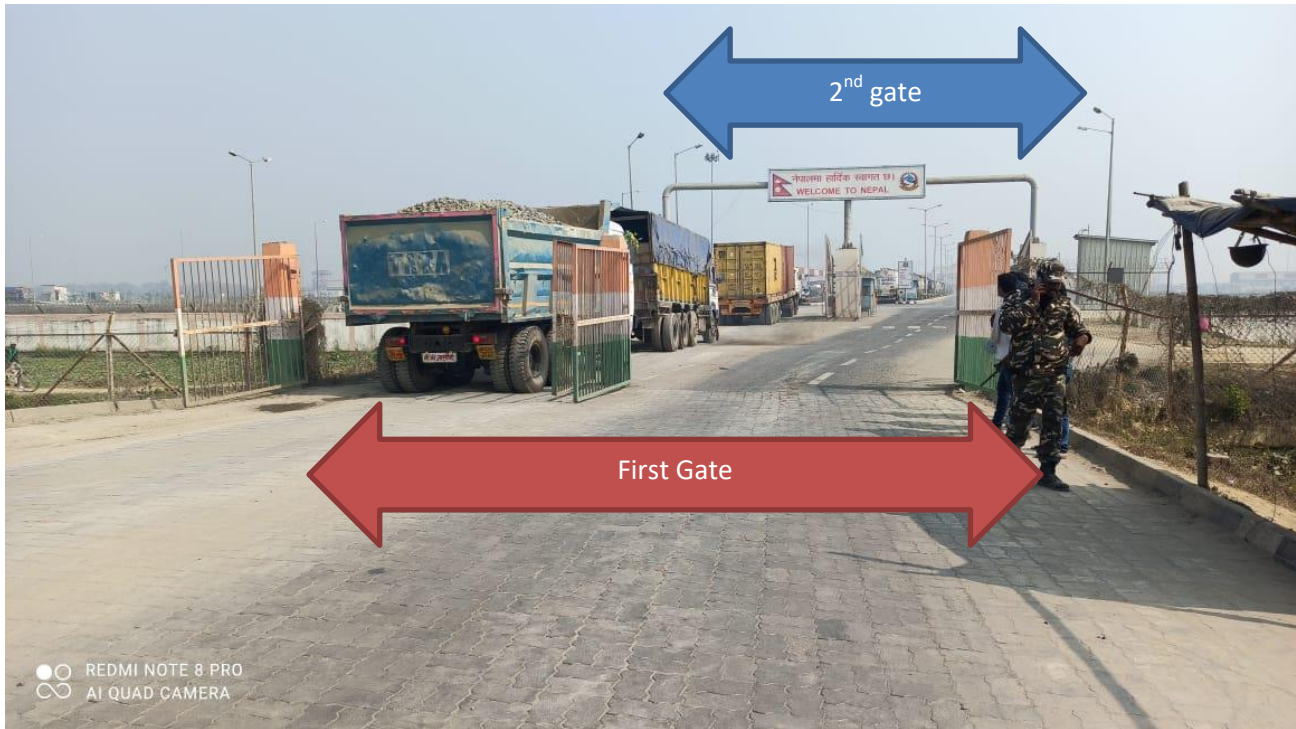
India out Gate

Height 19 Ft 18.7 width

Width Limitation



DIST. (KM) FROM Loading Site	LANDMARK	DESCRIPTION	REMARKS/RECOMMENDATION
5.0 Km	India Out 2 nd Gate	15.8 width feet	Width Limitation
5.1 KM	Nepal in 1st Gate	Width 25 feet height 20 feet	Normal Pass



5.8 Km Nepal in gate 2	Width 32 feet Height 22 Feet	Normal Pass
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DIST. (KM) FROM Loading Site	LANDMARK	DESCRIPTION	REMARKS/ RECOMMENDATION
6.3 km	Welcome Gate	Height 20 feet	Normal Pass



7.5 Km	Welcome Gate	Height 20 Feet	Normal Pass
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DIST. (KM) FROM
Loading Site
8.0 Km

LANDMARK
Virat Nagar City

DESCRIPTION

**REMARKS/
RECOMMENDATION**
Normal Pass



15.0 Km

Virat Nagar out Gate

Width 34 Height 23 Ft

Normal Pass



DIST. (KM) FROM
Loading Site
21.0 KM

LANDMARK
River Bridge

DESCRIPTION
Capacity Up to 100 Ton

**REMARKS/
RECOMMENDATION**
Normal Pass



22.0 Km

Duhabi City

Shut Down Required, Cross in Night Only

Normal Pass



DIST. (KM) FROM
Loading Site
28.0 KM

LANDMARK
Khannar River bridge

DESCRIPTION
Capacity 100 MT
30 feet 3 span

**REMARKS/
RECOMMENDATION**
Normal Pass



32.0 Km

Itahari City

shut down required, Cross in Night

Normal Pass



DIST. (KM) FROM Loading Site	LANDMARK	DESCRIPTION	REMARKS/ RECOMMENDATION
44.0 KM	Seuti River Bridge	Capacity 100 Ton 2 Span 60*2=120 feet	Normal Pass



48 KM	Welcome Gate	Height 20 feet Width 30 feet	Normal Pass
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DIST. (KM) FROM
Loading Site
50.0 Km

LANDMARK
Dharan City

DESCRIPTION
shut down required, cross in Night

**REMARKS/
RECOMMENDATION**
Normal Pass



52.0 KM

Dharan Out

Right Side Turn

Normal Pass



DIST. (KM) FROM Loading Site	LANDMARK	DESCRIPTION	REMARKS/ RECOMMENDATION
59.0 KM	River Bridge	Capacity up to 100 Ton	Normal Pass



DIST. (KM) FROM
Loading Site

LANDMARK

DESCRIPTION

**REMARKS/
RECOMMENDATION**

84.0 KM

Makhwa Khola River Bridge

2 span 40 Meter

Capacity 100 Ton



DIST. (KM) FROM
Loading Site
85.0 Km

LANDMARK
Leuti River Bridge

DESCRIPTION
32 Meter single span

**REMARKS/
RECOMMENDATION**
capacity 100 ton



DIST. (KM) FROM Loading Site	LANDMARK	DESCRIPTION	REMARKS/ RECOMMENDATION
89.0 KM	Mulghat Tamor River Bridge	3 span 164+326+164=654 feet	Capacity 100 Ton





DIST. (KM) FROM
Loading Site

LANDMARK

DESCRIPTION

**REMARKS/
RECOMMENDATION**

92.0 KM -98 km

Poor Road Condition

Civil work required





DIST. (KM) FROM Loading Site	LANDMARK	DESCRIPTION	REMARKS/ RECOMMENDATION
99.0 KM	Rudhwa Khola River Bridge	Single Span	Capacity 100 Ton



101.0 KM	River Bridge	57 feet single span	width 21 feet	Capacity 100 Ton
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DIST. (KM) FROM Loading Site	LANDMARK	DESCRIPTION	REMARKS/RECOMMENDATION
103.0 km	Dhankuta City	width 18 feet Height 20 feet	Cross in Night



DIST. (KM) FROM
Loading Site

LANDMARK

DESCRIPTION

REMARKS/
RECOMMENDATION

107.0 Km to 114.0 Km

Up Down Road

Need to level the Road



DIST. (KM) FROM Loading Site	LANDMARK	DESCRIPTION	REMARKS/ RECOMMENDATION Height Limitation
114.0 Km	Sing Board	Width 29 feet Height 18 feet	



116 KM cross	Hile City	Shut down & Tochan Required	Up to 16 feet width & Height jobs will
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DIST. (KM) FROM
Loading Site
124 KM

LANDMARK
Jorpati city

DESCRIPTION
Cross in Night

**REMARKS/
RECOMMENDATION**
Shut down required



DIST. (KM) FROM
Loading Site
128 km

LANDMARK
Sindhuwa City

DESCRIPTION
Cross in Night & Shut down required

**REMARKS/
RECOMMENDATION**
16 feet Height & Width





DIST. (KM) FROM
Loading Site

LANDMARK

DESCRIPTION

**REMARKS/
RECOMMENDATION**

129.0 KM to 131.0 KM

Bad Road Condition at U-Turns

Civil Work Required



DIST. (KM) FROM
Loading Site
134.0 Km

LANDMARK

Welcome Gate

DESCRIPTION

width 24 feet height 21 Feet

**REMARKS/
RECOMMENDATION**
Normal Pass



137.0 KM

Welcome Gate

width 24 feet height 19 Feet



DIST. (KM) FROM
Loading Site
138.0 KM

LANDMARK

Basant Pur City
Required

DESCRIPTION

Up to 14 feet width,

**REMARKS/
RECOMMENDATION**

cross in night Shutdown



DIST. (KM) FROM
Loading Site
152.0 KM

LANDMARK
Sign Board

DESCRIPTION

**REMARKS/
RECOMMENDATION**

Width 19 Feet height 19 Feet



153.0 KM

Mude City

Cross in Night



DIST. (KM) FROM
Loading Site
154.0 KM

LANDMARK
Mude City Out gate

DESCRIPTION

**REMARKS/
RECOMMENDATION**
Width 20 feet height 19 Feet



DIST. (KM) FROM Loading Site	LANDMARK	DESCRIPTION	REMARKS/ RECOMMENDATION
166.0 Km -178.0 KM	Mamling City required	Bad Road Condition	Road Construction





DIST. (KM) FROM
Loading Site
179 KM

LANDMARK

Piluwa Khola Bridge

DESCRIPTION

**REMARKS/
RECOMMENDATION**
Need Diversion







DIST. (KM) FROM
Loading Site

LANDMARK

DESCRIPTION

**REMARKS/
RECOMMENDATION**

193.0 KM to 220 KM Up Down Road

Need to Level the Road





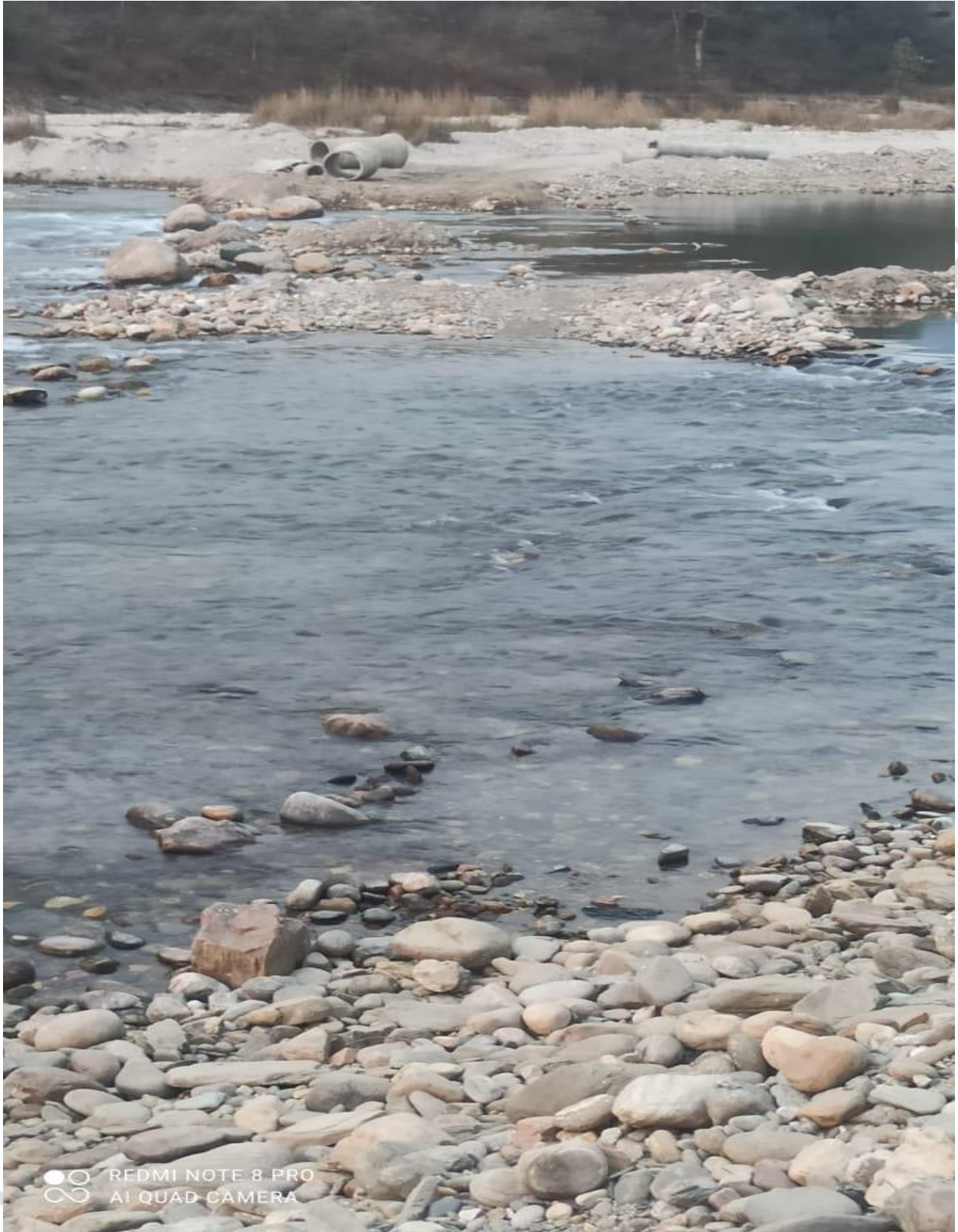
DIST. (KM) FROM
Loading Site
221.0 KM

LANDMARK
Shoba Khola Bridge

DESCRIPTION

**REMARKS/
RECOMMENDATION**
Need Diversion









REDMI NOTE 8 PRO
AI QUAD CAMERA



REDMI NOTE 8 PRO
AI QUAD CAMERA

DIST. (KM) FROM
Loading Site
231.0 KM

LANDMARK
Road side Damaged

DESCRIPTION

**REMARKS/
RECOMMENDATION**
Need Civil Work



DIST. (KM) FROM
Loading Site
238 KM

LANDMARK
Khandbari City
Required

DESCRIPTION
Bad Road Condition

**REMARKS/
RECOMMENDATION**
Cross in Night, Shutdown





DIST. (KM) FROM
Loading Site

LANDMARK

DESCRIPTION

**REMARKS/
RECOMMENDATION**
Civil Work

240.0 KM to 256.0 KM

Bad Road Condition

Required









256.0 KM

T-Point Straight 27 KM towards Dam And

U-Turn towards ARUN-3 Project 30 KM



DIST. (KM) FROM
Loading Site
276.0 Km

LANDMARK
Kaguwa Khola Bridge

DESCRIPTION
35 Meter Long 19 feet Height 18 feet

**REMARKS/
RECOMMENDATION**
Capacity 100 Ton



277.0 Km to 286.0 KM

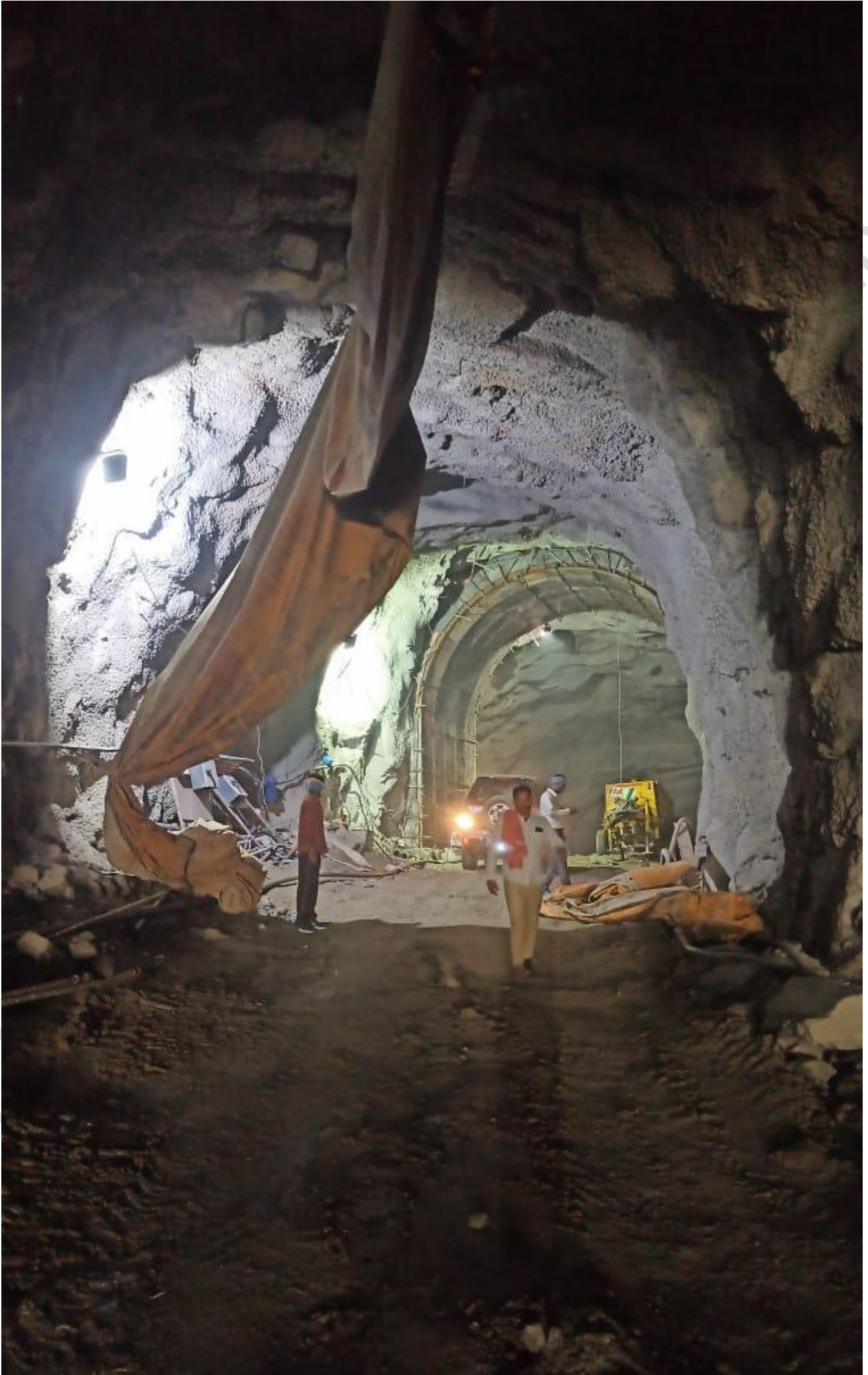
Bad Road Condition up to Site

Road Construction Required









DIST. (KM) FROM
Loading Site

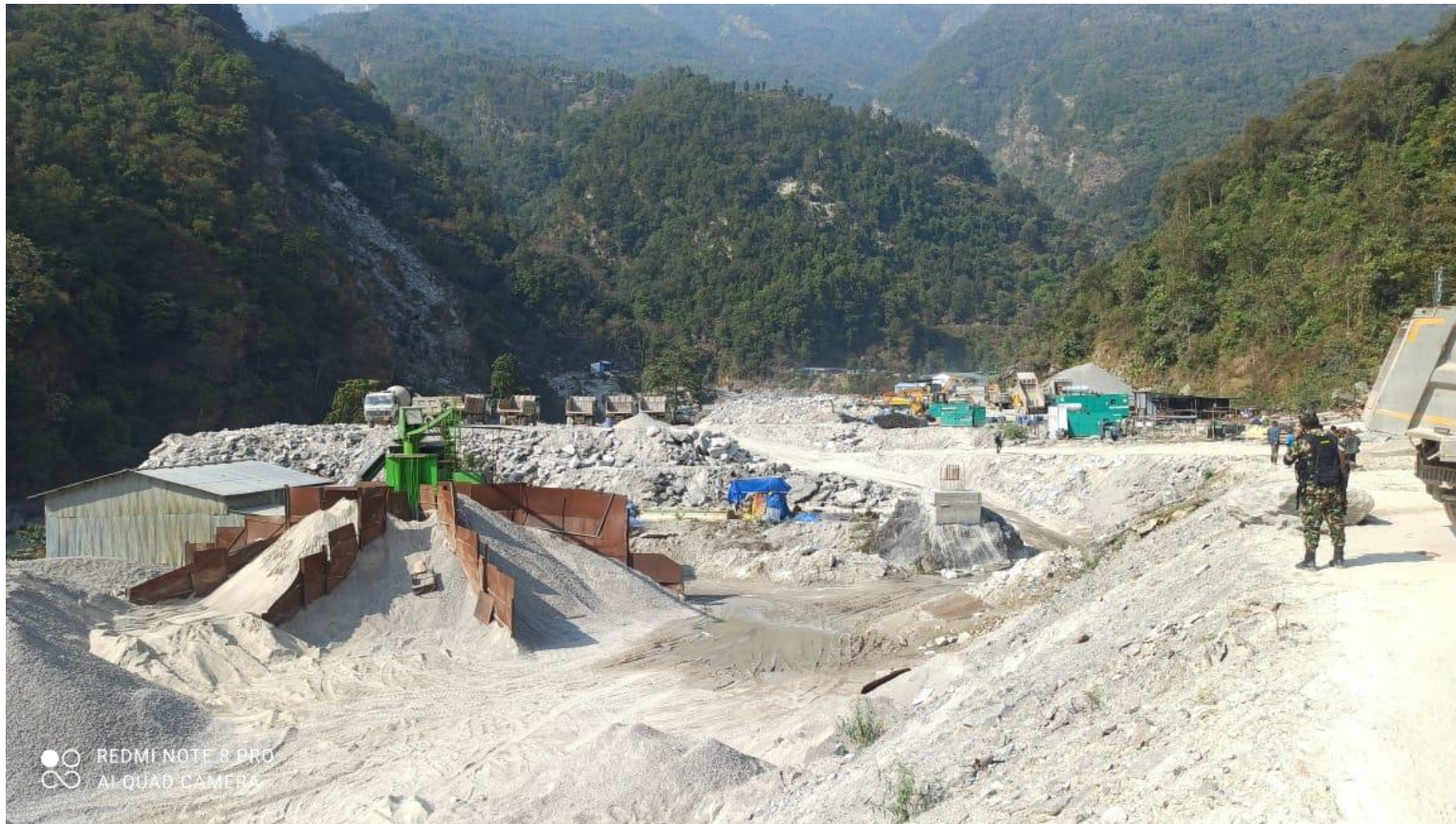
LANDMARK

DESCRIPTION

**REMARKS/
RECOMMENDATION**

286.0 KM

Arun-3 Project Site



Notes:-

1. There is Width Limitation en-route, Up to 13 feet cargo movement possible.
2. After 50.0 km to site there is around 150-160 Hairpin bands which need to clear.
3. From 166.0 KM to 178.0 KM need to construct the Road.
4. At 179.0 km & 221.0 km Piluwa Khola and Shobha Khola Bridge need to make Diversion.
5. There is no road after 238.0 KM Khandbari to Site for movement after. Heavy civil works require.
6. Electric Shut Down require for Height cargo in cities.

Thanks & Regards

CJ DARCL LOGISTICS LTD. HISAR