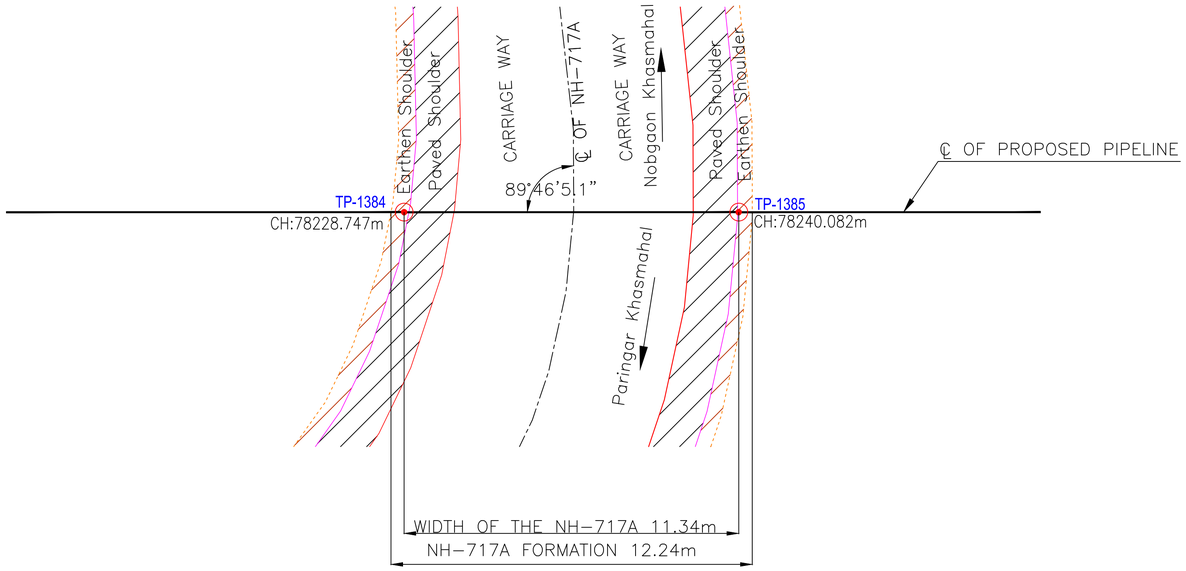
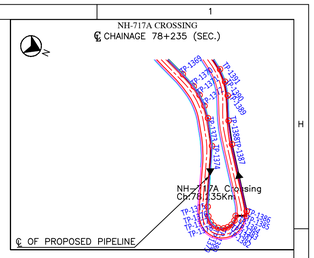
## NH-717A CROSSING
℄ CHAINAGE :78+235(SEC.)

SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

N

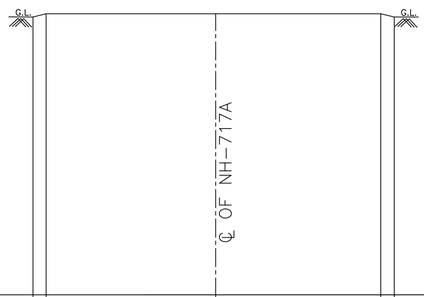
### PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100

### GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1098.0m




| | | | | | |
|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.45 | 5.67 | 5.67 | 0.45 | |
| REDUCED LEVEL IN m ABOVE MSL | 1107.40 1107.52 | 1107.52 | | 1107.52 1107.40 | |
| ℄ CHAINAGE | | SEC. CH: 78+235Km | | | |
| SOIL STRATIFICATION | | | | | |

### TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TURNING POINT
- INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

### APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1107.40m
4. Crossing Length-12.24m

| DRAWING TITLE | DRG.NO. |
|---|---|
| ALIGNMENT DRAWING | SILIGURI-ALN-43 |
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |

REFERENCE DRAWINGS

ISSUE RECORD

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: INDRADHANUSH GAS GRID LIMITED

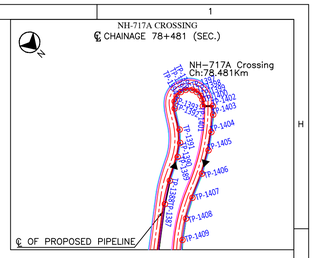
SURVEY CONSULTANT: INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

NH-717A CROSSING AT (PARINGAR KHASMAHAL ) CHAINAGE 78.235Km

SCALE: 1:100 | DRAWING NUMBER: SGPL-CRS-NH-23 | R 3

NH-717A CROSSING
℄ CHAINAGE :78+481(SEC.)

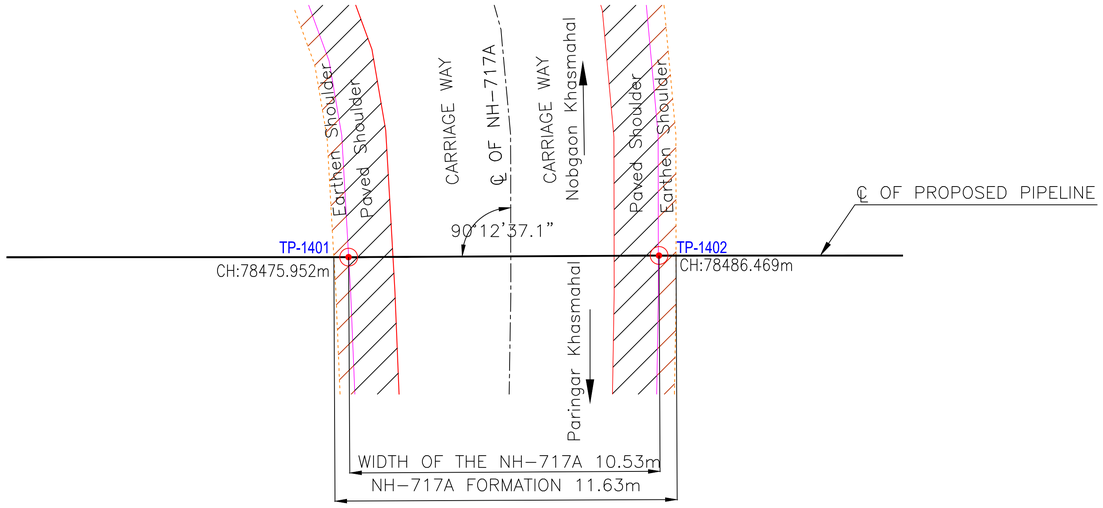
SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

## PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100




## GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1114.0m

| | | | | | |
|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.50 | 5.265 | 5.265 | 0.60 | |
| REDUCED LEVEL IN m ABOVE MSL | 1123.12 1123.45 | 1123.45 | | 1123.45 | 1123.12 |
| ℄ CHAINAGE | | | SEC. CH: 78+481Km | | |
| SOIL STRATIFICATION | | | | | |

### TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TURNING POINT
- INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

### APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1123.12m
4. Crossing Length-11.63m

| ALIGNMENT DRAWING | SILIGURI-ALN-43 |
|---|---|
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

ISSUE RECORD

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

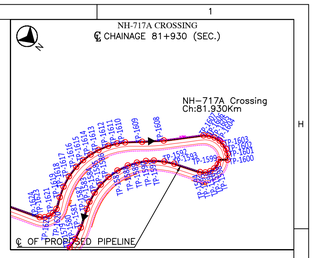
CLIENT: IGGL — INDRADHANUSH GAS GRID LIMITED

SURVEY CONSULTANT: IN-RIMT — INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

NH-717A CROSSING AT (PARINGAR KHASMAHAL ) CHAINAGE 78.481Km

| SCALE: 1:100 | DRAWING NUMBER | SGPL-CRS-NH-24 | R | 3 |
|---|---|---|---|---|

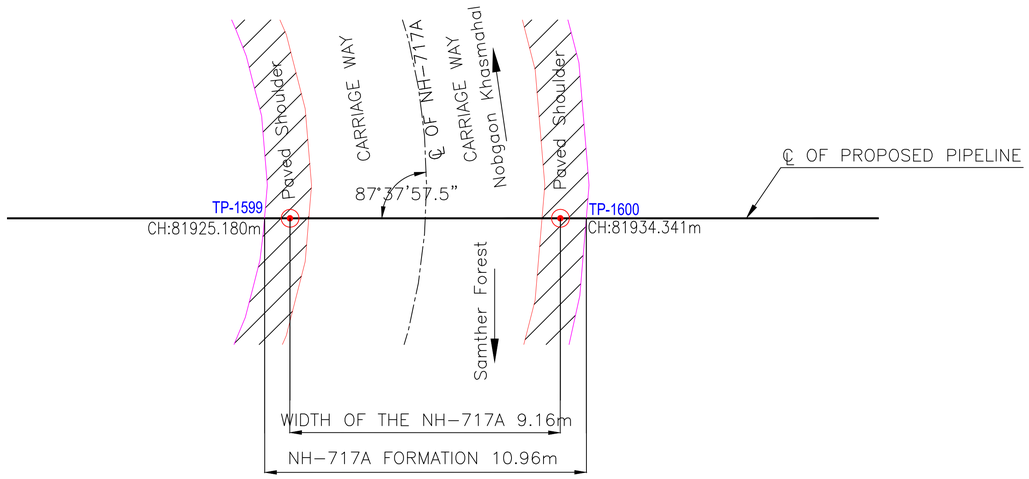
SILIGURI ← | NH-717A CROSSING ℄ CHAINAGE :81+930(SEC.) | → GANGTOK




KEY PLAN
NOT TO SCALE

## PLANIMETRY

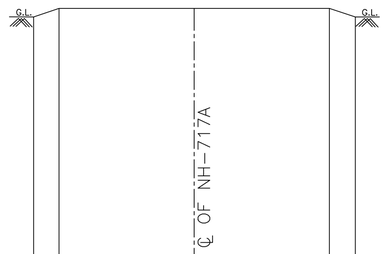
SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100




## GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1291.0m




| | | | | | |
|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.90 | 4.58 | 4.58 | 0.90 | |
| REDUCED LEVEL IN m ABOVE MSL | 1300.58 | 1300.87 | 1300.87 | 1300.87 | 1300.58 |
| ℄ CHAINAGE | | | SEC. CH: 81+930Km | | |
| SOIL STRATIFICATION | | | | | |

## TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TURNING POINT
- INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1300.58m
4. Crossing Length-10.96m

| ALIGNMENT DRAWING | SILIGURI-ALN-45 |
|---|---|
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

ISSUE RECORD

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: INDRADHANUSH GAS GRID LIMITED

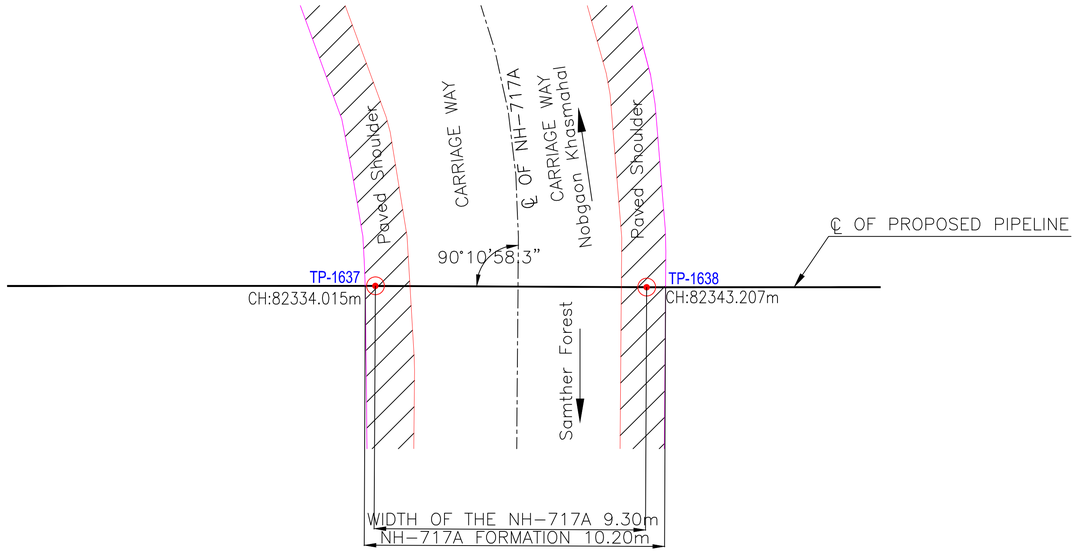
SURVEY CONSULTANT: INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

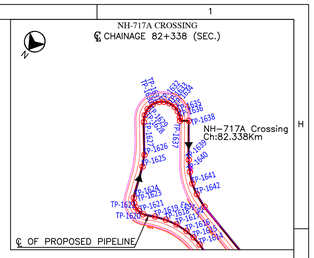
NH-717A CROSSING AT (NIMBONG KHASMAHAL) CHAINAGE 81.930Km

SCALE: 1:100 | DRAWING NUMBER: SGPL-CRS-NH-25 | R 3

## NH-717A CROSSING
℄ CHAINAGE :82+338(SEC.)

SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

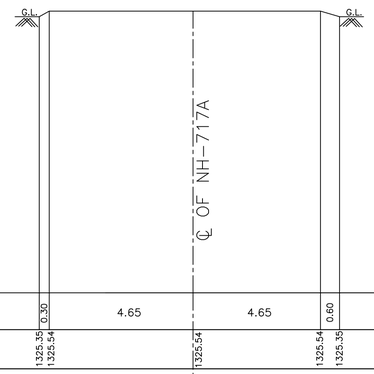
### PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100

### GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1316.0m




| | |
|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.30, 4.65, 4.65, 0.60 |
| REDUCED LEVEL IN m ABOVE MSL | 1325.35, 1325.54, 1325.54, 1325.54, 1325.35 |
| ℄ CHAINAGE | SEC. CH: 82+338Km |
| SOIL STRATIFICATION | |

### TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TURNING POINT
- INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

### APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1325.35m
4. Crossing Length-10.20m

| ALIGNMENT DRAWING | SILIGURI-ALN-45 |
|---|---|
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

ISSUE RECORD

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGGL — INDRADHANUSH GAS GRID LIMITED

SURVEY CONSULTANT: IN-RIMT — INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

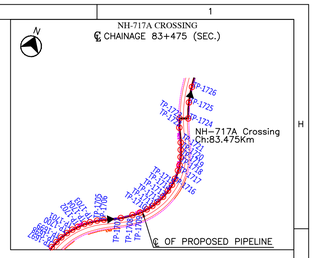
NH-717A CROSSING AT (NIMBONG KHASMAHAL) CHAINAGE 82.338Km

| SCALE: 1:100 | DRAWING NUMBER | SGPL-CRS-NH-26 | R | 3 |
|---|---|---|---|---|

SILIGURI

NH-717A CROSSING
℄ CHAINAGE :83+475(SEC.)

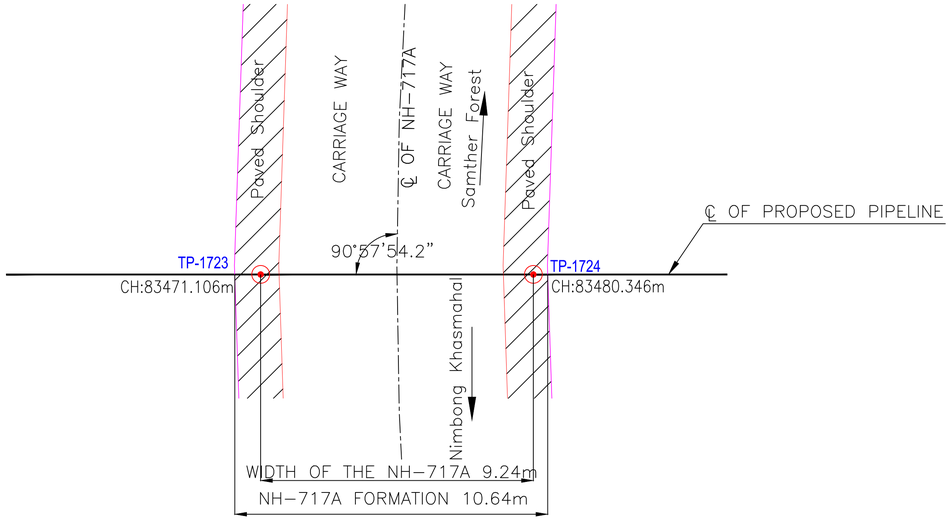
GANGTOK




KEY PLAN
NOT TO SCALE

## PLANIMETRY

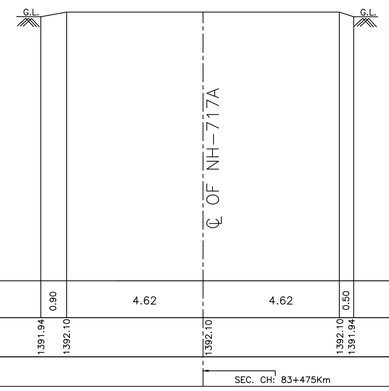
SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100




## GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1383.0m




| | | | | | | |
|---|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.90 | 4.62 | 4.62 | 0.50 | | |
| REDUCED LEVEL IN m ABOVE MSL | 1391.94 | 1392.10 | 1392.10 | 1392.10 | 1391.94 | |
| ℄ CHAINAGE | | | | | | |
| SOIL STRATIFICATION | | | | | | |

## TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TURNING POINT
- INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1391.94m
4. Crossing Length-10.64m

| ALIGNMENT DRAWING | SILIGURI-ALN-46 |
|---|---|
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

ISSUE RECORD

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGOL — INDRADHANUSH GAS GRID LIMITED

SURVEY CONSULTANT: INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT)
HYDERABAD - 81
Email:mail@inrimt.com

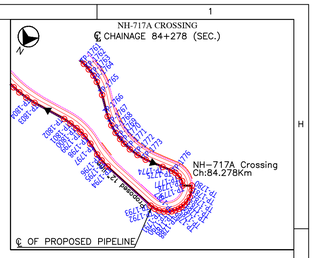
NH-717A CROSSING AT (SAMTHER FOREST) CHAINAGE 83.475Km

SCALE: 1:100 | DRAWING NUMBER: SGPL-CRS-NH-27 | R 3

SILIGURI

# NH-717A CROSSING
℄ CHAINAGE :84+278(SEC.)

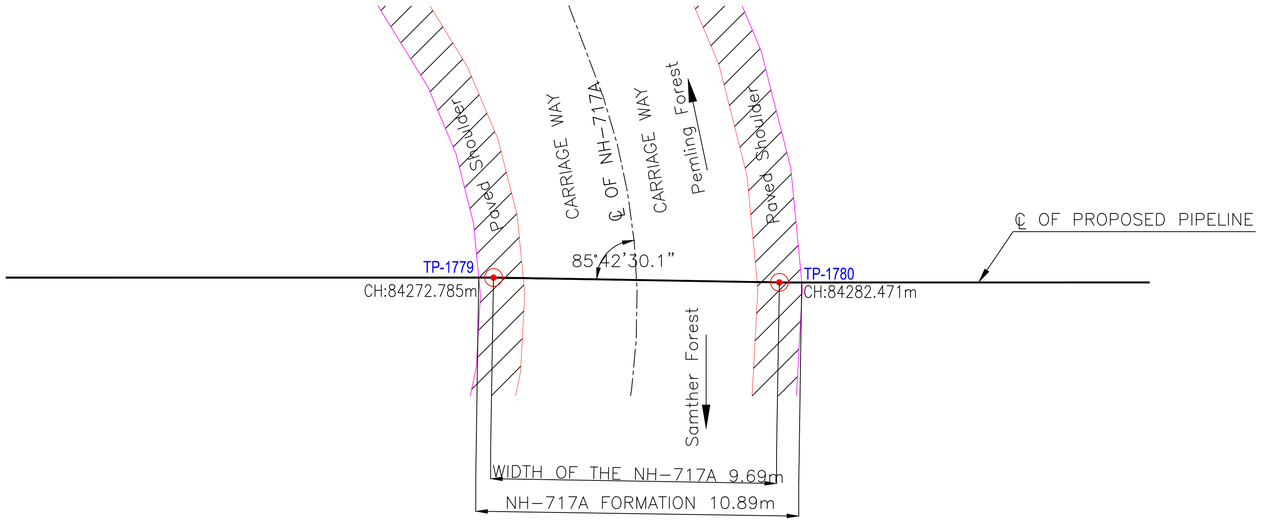
GANGTOK




KEY PLAN
NOT TO SCALE

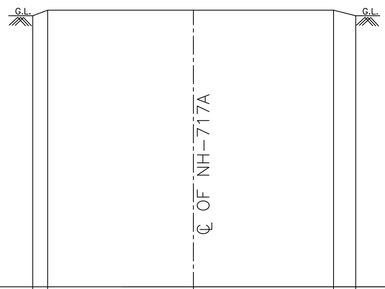
## PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100




## GROUND PROFILE
SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1411.0m




| | | | | | | |
|---|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.50 | 4.845 | 4.845 | 0.70 | | |
| REDUCED LEVEL IN m ABOVE MSL | 1420.17 1420.37 | | 1420.37 | 1420.37 | 1420.17 | |
| ℄ CHAINAGE | | | SEC. CH: 84+278Km | | | |
| SOIL STRATIFICATION | | | | | | |

## TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TP TURNING POINT
- IP INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1420.17m
4. Crossing Length-10.89m

| ALIGNMENT DRAWING | SILIGURI-ALN-47 |
|---|---|
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

ISSUE RECORD

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGGL — INDRADHANUSH GAS GRID LIMITED

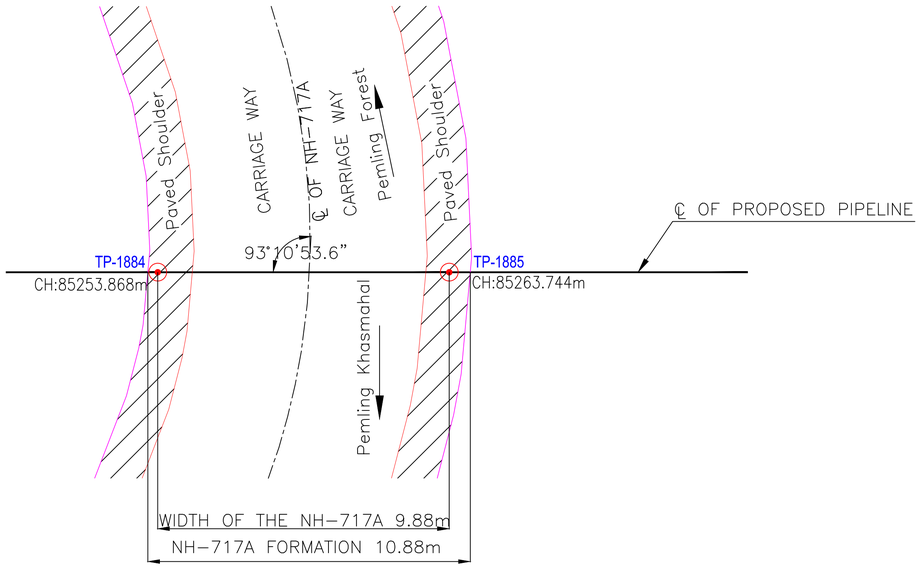
SURVEY CONSULTANT: IN-RIMT — INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

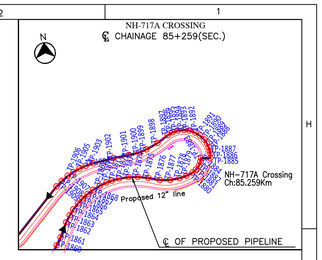
NH-717A CROSSING AT (SAMTHER FOREST) CHAINAGE 84.278Km

| SCALE: 1:100 | DRAWING NUMBER | SGPL-CRS-NH-28 | R | 3 |
|---|---|---|---|---|

NH-717A CROSSING
℄ CHAINAGE :85+259 (SEC.)

SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

N

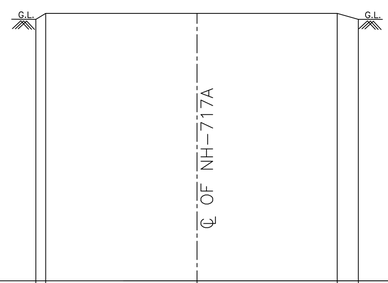
## PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100

## GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1471.0m




| | | | | | |
|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.30 | 4.94 | 4.94 | 0.70 | |
| REDUCED LEVEL IN m ABOVE MSL | 1479.85<br>1480.06 | | 1480.06 | 1480.06<br>1479.85 | |
| ℄ CHAINAGE | | | SEC. CH: 85+259Km | | |
| SOIL STRATIFICATION | | | | | |

## TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TP TURNING POINT
- IP INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1479.85m
4. Crossing Length-10.88m

| ALIGNMENT DRAWING | SILIGURI-ALN-47 |
|---|---|
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

ISSUE RECORD

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGGL — INDRADHANUSH GAS GRID LIMITED

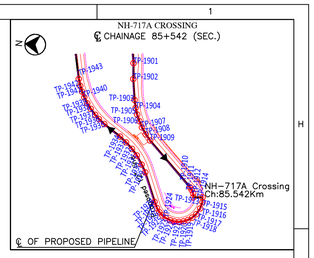
SURVEY CONSULTANT: IN-RIMT — INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

NH-717A CROSSING AT (PEMLING FOREST) CHAINAGE 85.259Km

SCALE: 1:100 | DRAWING NUMBER: SGPL-CRS-NH-29 | R 3

NH-717A CROSSING
℄ CHAINAGE :85+542(SEC.)

SILIGURI ← → GANGTOK

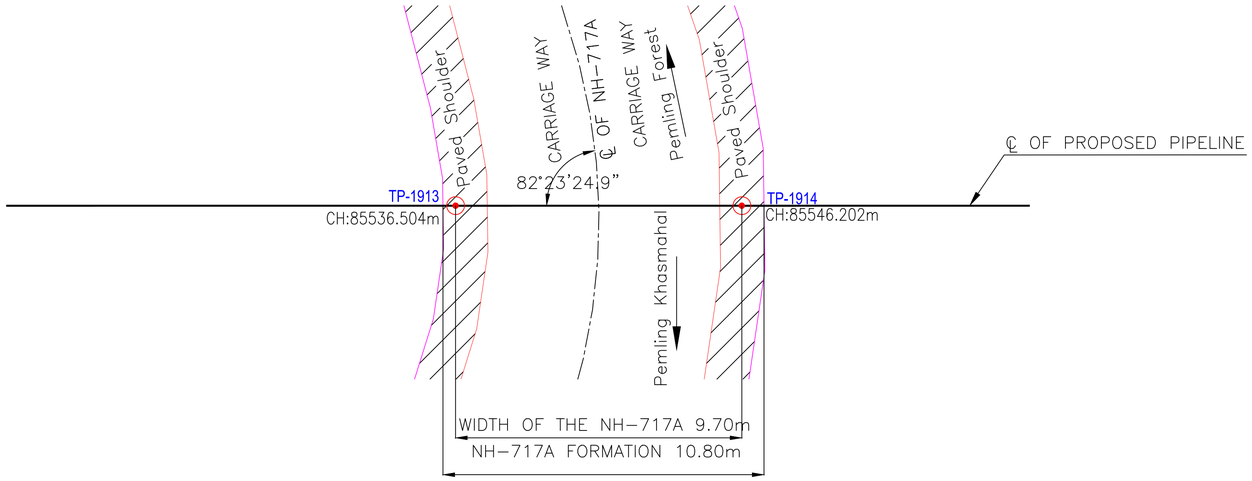



KEY PLAN
NOT TO SCALE

N

## PLANIMETRY

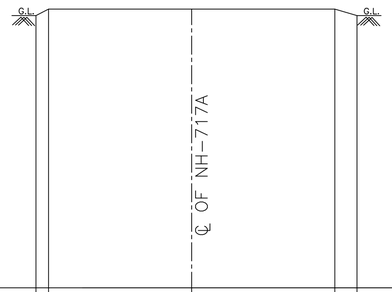
SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100




## GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1489.0m




| | | | | | | |
|---|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.40 | 4.85 | 4.85 | 0.70 | | |
| REDUCED LEVEL IN m ABOVE MSL | 1498.21 1498.44 | 1498.44 | | 1498.44 | 1498.21 | |
| ℄ CHAINAGE | | SEC. CH: 85+542Km | | | | |
| SOIL STRATIFICATION | | | | | | |

## TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TP TURNING POINT
- IP INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1498.21m
4. Crossing Length-10.80m

| ALIGNMENT DRAWING | SILIGURI-ALN-47 |
|---|---|
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

ISSUE RECORD

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGGL — INDRADHANUSH GAS GRID LIMITED

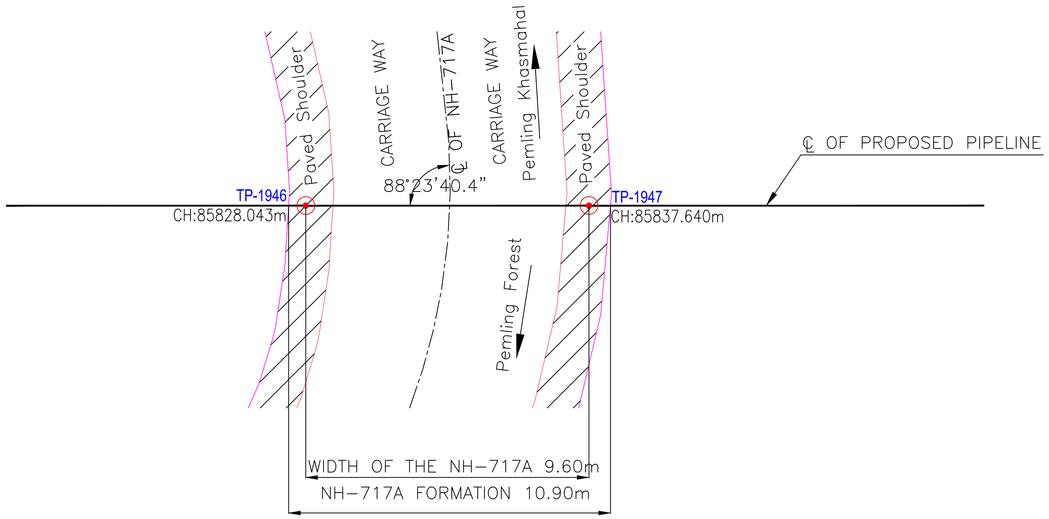
SURVEY CONSULTANT: IN-RIMT — INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

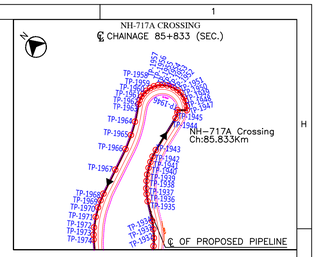
NH-717A CROSSING AT (PEMLING FOREST) CHAINAGE 85.542Km

SCALE: 1:100 | DRAWING NUMBER: SGPL-CRS-NH-30 | R 3

## NH-717A CROSSING
℄ CHAINAGE :85+833(SEC.)

SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

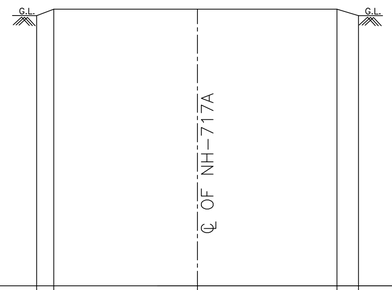
### PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100

### GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1509.0m




| | | | | | |
|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.60 | 4.80 | 4.80 | 0.70 | |
| REDUCED LEVEL IN m ABOVE MSL | 1518.15 1518.37 | | 1518.37 | 1518.37 1518.15 | |
| ℄ CHAINAGE | | | SEC. CH: 85+833Km | | |
| SOIL STRATIFICATION | | | | | |

### TOPOGRAPHIC SYMBOLS

PROPOSED PIPELINE
EXISTING PIPELINE
TP TURNING POINT
IP INTERMEDIATE POINT
METALLED ROAD
CART TRACK
FOOTPATH
RAILWAY
DRAIN/CANAL/RIVER
WATER TANK, LAKE OR RESERVOIR
BRIDGE, CULVERT
HOUSE
TEMPLE
COMPOUND WALL WITH GATE
FENCING
FOREST
TREE
HIGHTEHSION POLE
ELECTRIC POLE
TELEPHONE POLE
STREET LIGHT
TRANSFORMER
PYLON
MANHOLE
OFC
TRAFFIC SIGNAL
DGPS STATION
OIL STONE
NFS STONE
GROUND PROFILE

### APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1518.15m
4. Crossing Length-10.90m

| | |
|---|---|
| ALIGNMENT DRAWING | SILIGURI-ALN-47 |
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

ISSUE RECORD

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGOL — INDRADHANUSH GAS GRID LIMITED

SURVEY CONSULTANT: IN-RIMT — INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

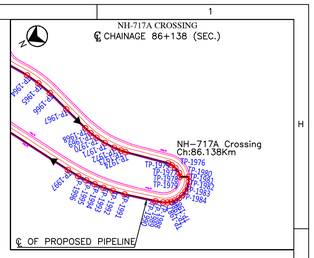
NH-717A CROSSING AT (PEMLING FOREST ) CHAINAGE 85.833Km

| SCALE: 1:100 | DRAWING NUMBER | SGPL-CRS-NH-31 | R | 3 |
|---|---|---|---|---|

SILIGURI

# NH-717A CROSSING
℄ CHAINAGE :86+138(SEC.)

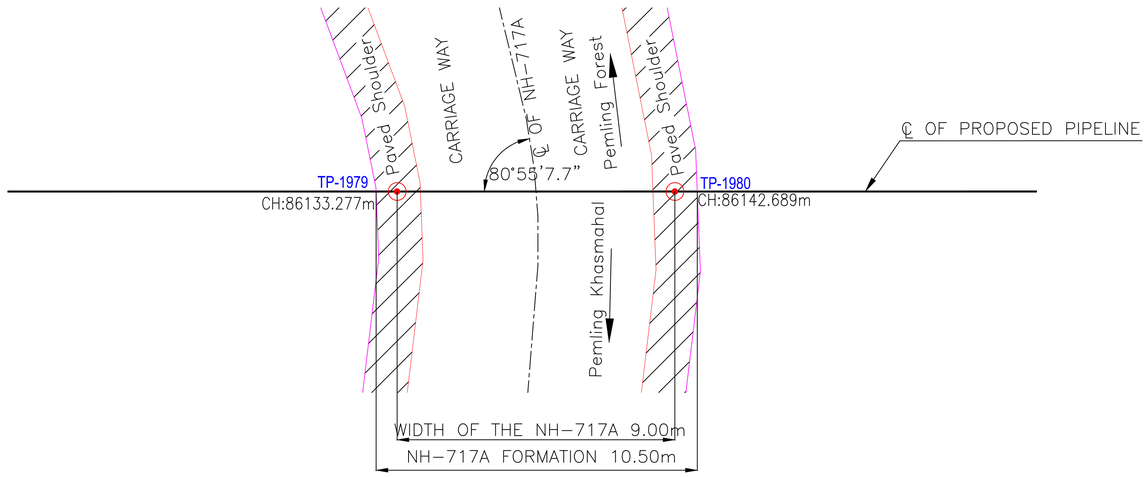
GANGTOK




KEY PLAN
NOT TO SCALE

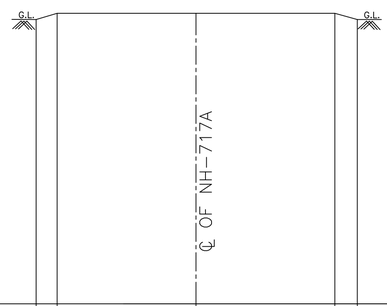
## PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100




## GROUND PROFILE
SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1529.0m




| | | | | | |
|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.70 | 4.50 | 4.50 | 0.80 | |
| REDUCED LEVEL IN m ABOVE MSL | 1538.63 1538.84 | | 1538.84 | 1538.84 1538.63 | |
| ℄ CHAINAGE | | | SEC. CH: 86+138Km | | |
| SOIL STRATIFICATION | | | | | |

## TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TP TURNING POINT
- IP INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1538.63m
4. Crossing Length-10.50m

| ALIGNMENT DRAWING | SILIGURI-ALN-48 |
|---|---|
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

ISSUE RECORD

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGGL — INDRADHANUSH GAS GRID LIMITED

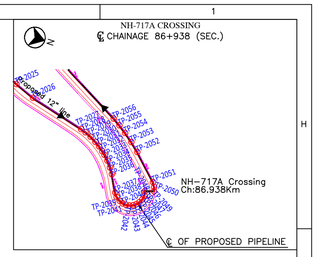
SURVEY CONSULTANT: IN-RIMT — INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

NH-717A CROSSING AT ( PEMLING FOREST ) CHAINAGE 86.138Km

| SCALE: 1:100 | DRAWING NUMBER | SGPL-CRS-NH-32 | R | 3 |
|---|---|---|---|---|

NH-717A CROSSING
℄ CHAINAGE :86+938(SEC.)

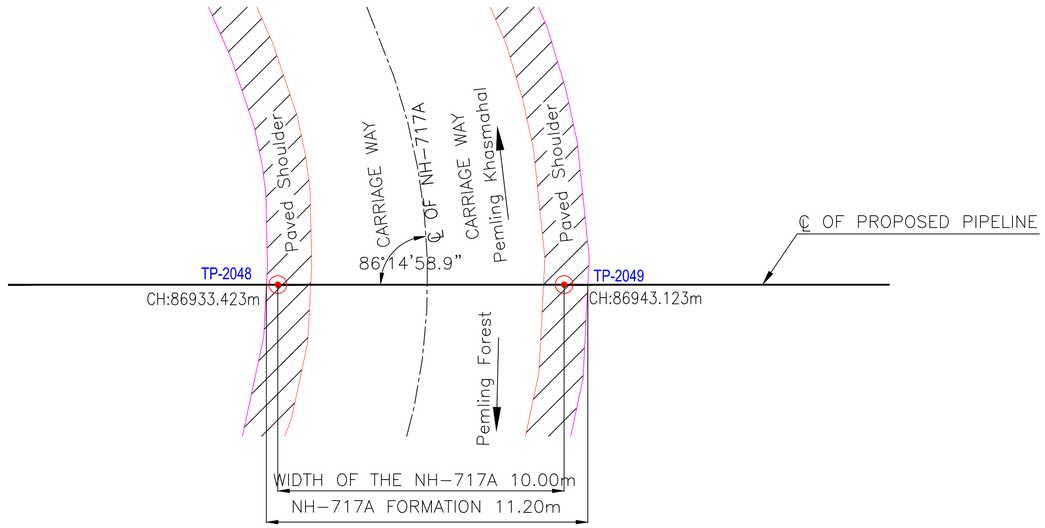
SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

## PLANIMETRY

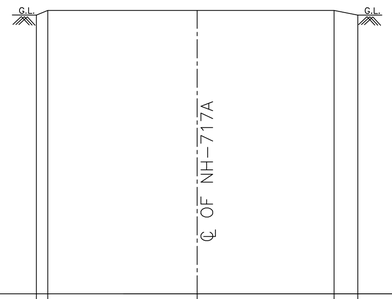
SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100




## GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1583.0m




| | | | | | |
|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.40 | 5.00 | 5.00 | 0.80 | |
| REDUCED LEVEL IN m ABOVE MSL | 1592.43 1592.60 | | 1592.60 | 1592.60 | 1592.43 |
| ℄ CHAINAGE | | | SEC. CH: 86+938Km | | |
| SOIL STRATIFICATION | | | | | |

## TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TP TURNING POINT
- IP INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NF'S STONE
- GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1592.43m
4. Crossing Length-11.20m

| DRAWING TITLE | DRG.NO. |
|---|---|
| ALIGNMENT DRAWING | SILIGURI-ALN-48 |
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |

REFERENCE DRAWINGS

ISSUE RECORD

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: INDRADHANUSH GAS GRID LIMITED

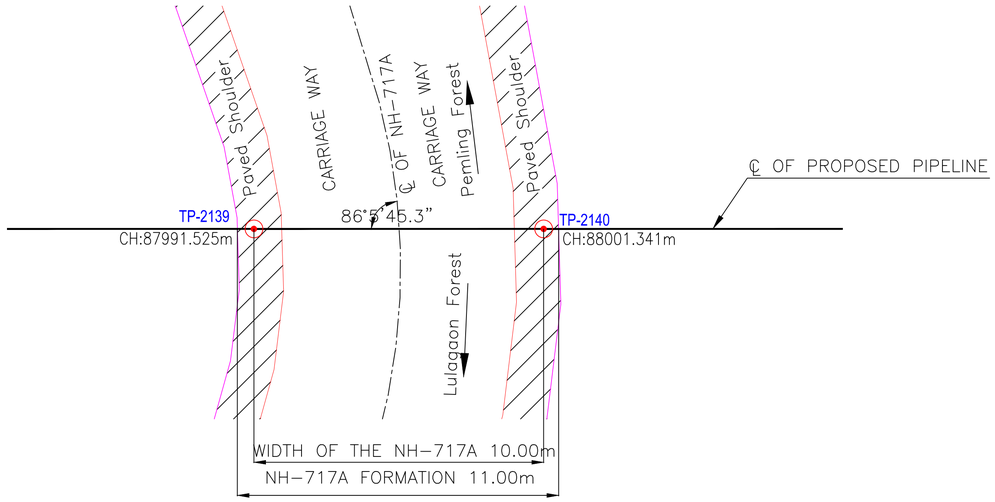
SURVEY CONSULTANT: INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT)
HYDERABAD - 81
Email:mail@inrimt.com

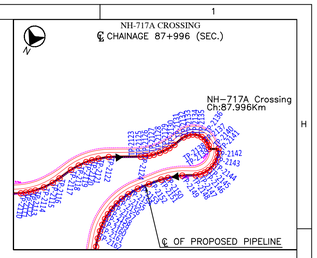
NH-717A CROSSING AT (PEMLING KHASMAHAL)CHAINAGE 86.938Km

SCALE: 1:100 | DRAWING NUMBER: SGPL-CRS-NH-33 | R 3

# NH-717A CROSSING
℄ CHAINAGE :87+996(SEC.)

SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

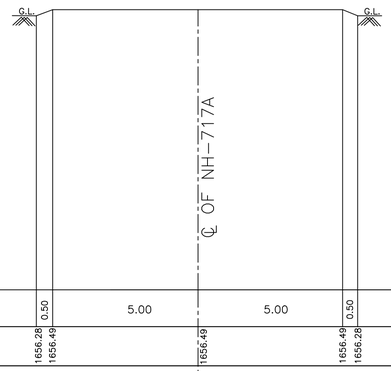
## PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100

## GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1647.0m




| | | | | | | |
|---|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.50 | 5.00 | 5.00 | 0.50 | | |
| REDUCED LEVEL IN m ABOVE MSL | 1656.28 | 1656.48 | 1656.49 | 1656.49 | 1656.28 | |
| ℄ CHAINAGE | | | SEC. CH: 87+996Km | | | |
| SOIL STRATIFICATION | | | | | | |

## TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TP TURNING POINT
- IP INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1656.28m
4. Crossing Length-11.00m

| ALIGNMENT DRAWING | SILIGURI-ALN-49 |
|---|---|
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

ISSUE RECORD

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGGL — INDRADHANUSH GAS GRID LIMITED

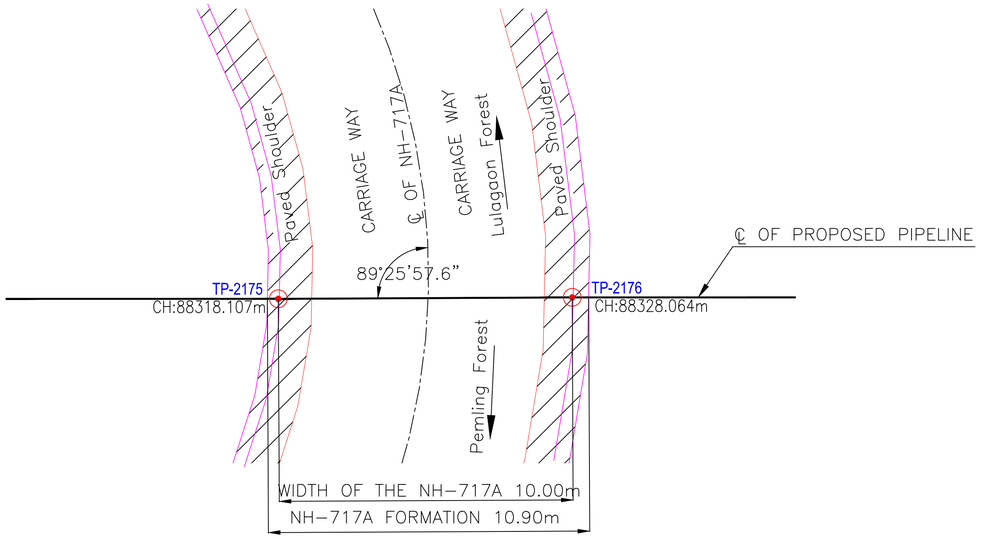
SURVEY CONSULTANT: IN-RIMT — INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

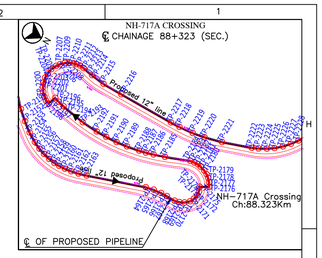
NH-717A CROSSING AT (PEMLING FOREST) CHAINAGE 87.996Km

| SCALE: 1:100 | DRAWING NUMBER | SGPL-CRS-NH-34 | R | 3 |
|---|---|---|---|---|

## NH-717A CROSSING
℄ CHAINAGE :88+323(SEC.)

SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

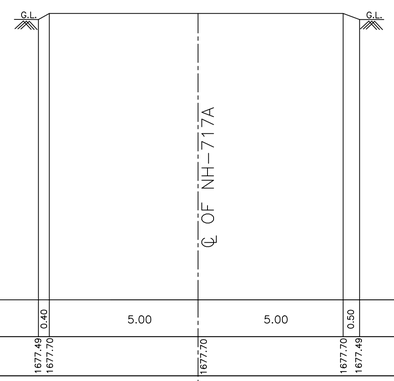
### PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100

### GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1668.0m




| | |
|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.40 / 5.00 / 5.00 / 0.50 |
| REDUCED LEVEL IN m ABOVE MSL | 1677.49, 1677.70, 1677.70, 1677.70, 1677.70, 1677.49 |
| ℄ CHAINAGE | SEC. CH: 88+323Km |
| SOIL STRATIFICATION | |

### TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TURNING POINT
- INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

### APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1677.49m
4. Crossing Length-10.90m

| ALIGNMENT DRAWING | SILIGURI-ALN-49 |
|---|---|
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |

| DRAWING TITLE | DRG.NO. |
|---|---|
| REFERENCE DRAWINGS | |

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

ISSUE RECORD

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGOL — INDRADHANUSH GAS GRID LIMITED

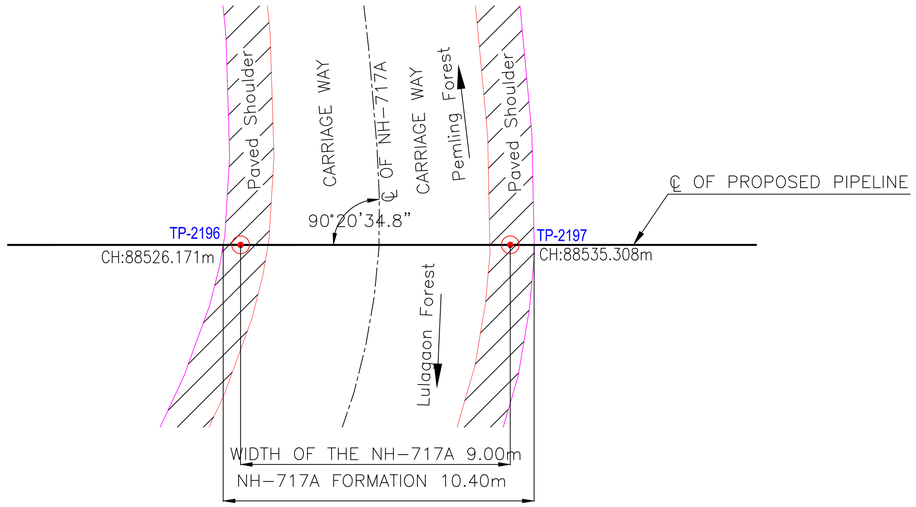
SURVEY CONSULTANT: INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT)
HYDERABAD - 81
Email:mail@inrimt.com

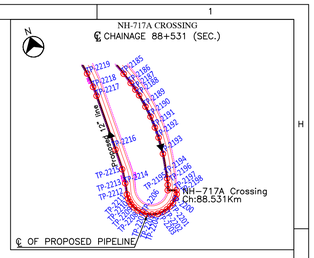
NH-717A CROSSING AT (PEMLING FOREST) CHAINAGE 88.323Km

SCALE: 1:100 | DRAWING NUMBER: SGPL-CRS-NH-35 | R 3

## NH-717A CROSSING
℄ CHAINAGE :88+531(SEC.)

SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

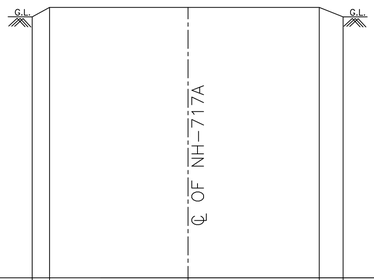
### PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100

### GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1682.0m




| | | | | | | |
|---|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.60 | 4.50 | 4.50 | 0.80 | | |
| REDUCED LEVEL IN m ABOVE MSL | 1690.83 | 1691.16 | 1691.16 | 1691.16 | 1690.83 | |
| ℄ CHAINAGE | | | SEC. CH: 88+531Km | | | |
| SOIL STRATIFICATION | | | | | | |

### TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TP TURNING POINT
- IP INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

### APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1690.83m
4. Crossing Length-10.40m

| ALIGNMENT DRAWING | SILIGURI-ALN-49 |
|---|---|
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

ISSUE RECORD

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGOL — INDRADHANUSH GAS GRID LIMITED

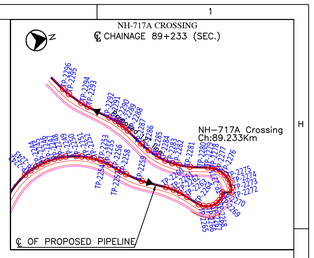
SURVEY CONSULTANT: INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT)
HYDERABAD - 81
Email:mail@inrimt.com

NH-717A CROSSING AT (PEMLING FOREST) CHAINAGE 88.531Km

SCALE: 1:100 | DRAWING NUMBER: SGPL-CRS-NH-36 | R 3

SILIGURI ← | → GANGTOK

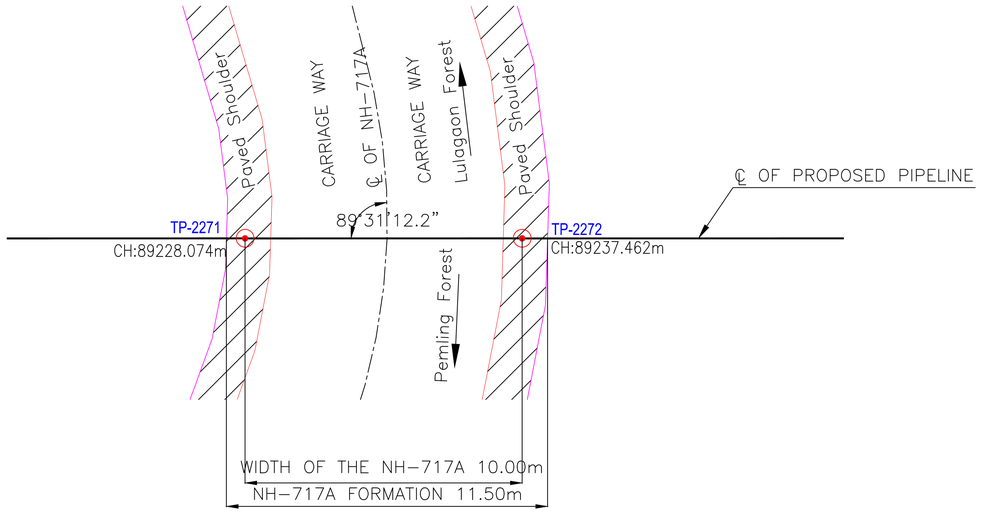
NH-717A CROSSING
℄ CHAINAGE :89+233(SEC.)




KEY PLAN
NOT TO SCALE

## PLANIMETRY

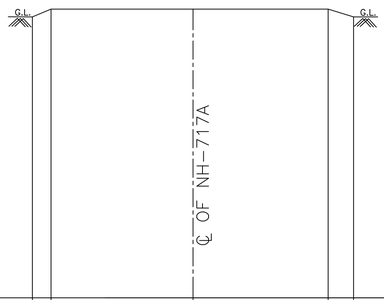
SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100




## GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1725.0m




| | | | | | | |
|---|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.60 | 5.00 | 5.00 | 0.90 | | |
| REDUCED LEVEL IN m ABOVE MSL | 1734.51 1734.78 | 1734.78 | 1734.78 | 1734.78 | 1734.51 | |
| ℄ CHAINAGE | | | SEC. CH: 89+233Km | | | |
| SOIL STRATIFICATION | | | | | | |

## TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TP TURNING POINT
- IP INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1734.51m
4. Crossing Length-11.50m

| ALIGNMENT DRAWING | SILIGURI-ALN-49 |
|---|---|
| ROUTE MAP | SILIGURI-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-11-22 | Submission - Reroute | R.V.Lakshmi | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

ISSUE RECORD

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGOL — INDRADHANUSH GAS GRID LIMITED

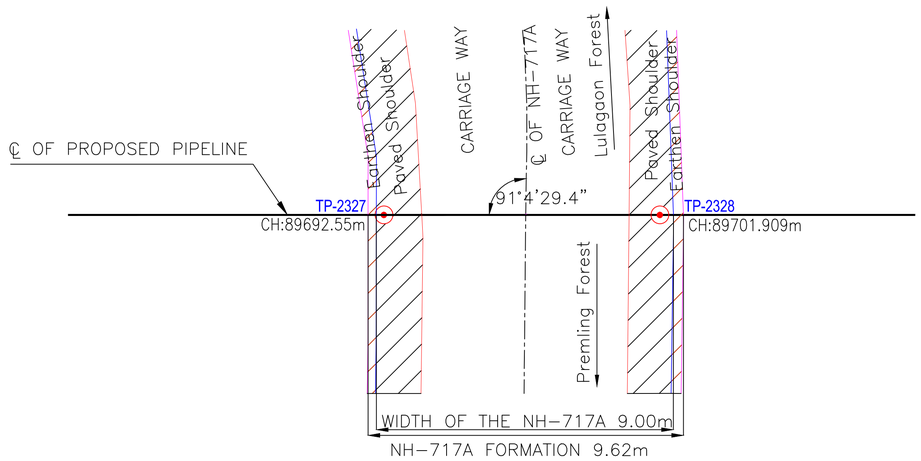
SURVEY CONSULTANT: INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT)
HYDERABAD - 81
Email:mail@inrimt.com

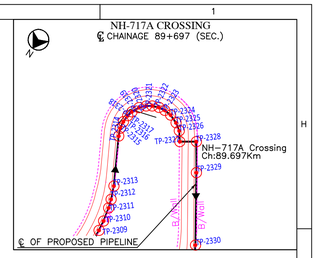
NH-717A CROSSING AT (PEMLING FOREST) CHAINAGE 89.233Km

SCALE: 1:100 | DRAWING NUMBER: SGPL-CRS-NH-37 | R 3

# NH-717A CROSSING
℄ CHAINAGE :89+697(SEC.)

SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

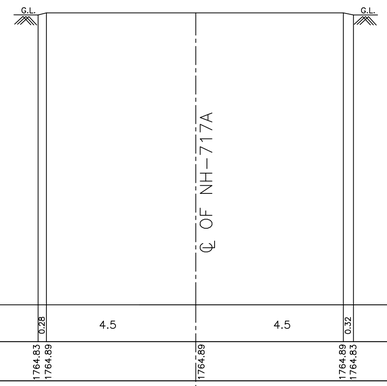
## PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100

## GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM - 1755.0m




| | |
|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.28 / 4.5 / 4.5 / 0.32 |
| REDUCED LEVEL IN m ABOVE MSL | 1764.83, 1764.89, 1764.89, 1764.89, 1764.83 |
| ℄ CHAINAGE | SEC. CH: 89+697Km |
| SOIL STRATIFICATION | |

## TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TP TURNING POINT
- IP INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1764.83m
4. Crossing Length-9.62m

| ALIGNMENT DRAWING | SILUGURU-ALN-50 |
|---|---|
| ROUTE MAP | SILUGURU-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

ISSUE RECORD

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-12-22 | Submission-Reroute | M.Kavya | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGGL — INDRADHANUSH GAS GRID LIMITED

SURVEY CONSULTANT: INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

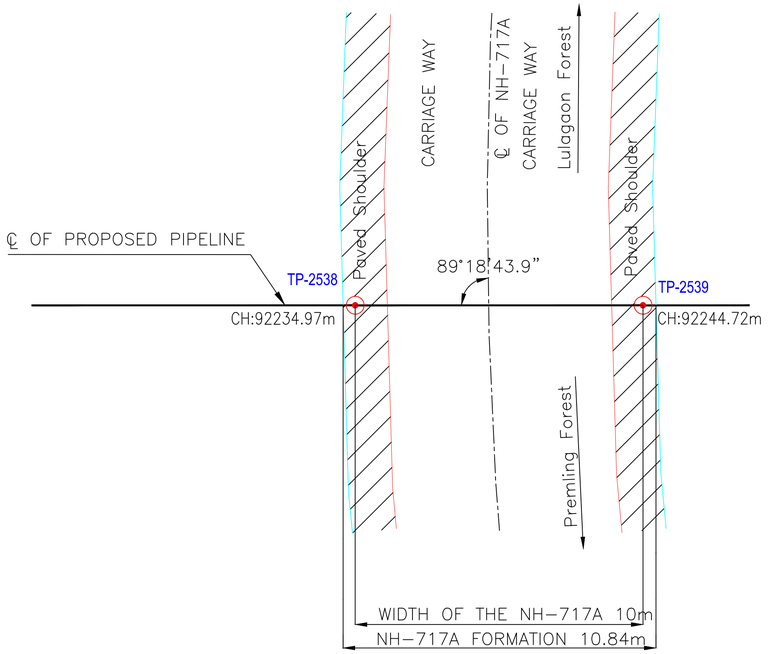
NH-717A CROSSING AT (PEMLING FOREST) CHAINAGE 89.697Km

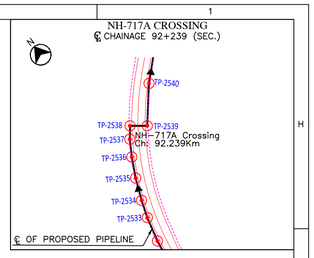
SCALE: 1:100 | DRAWING NUMBER: SGPL-CRS-NH-38 | R 3

# NH-717A CROSSING

℄ CHAINAGE :92+239(SEC.)

SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

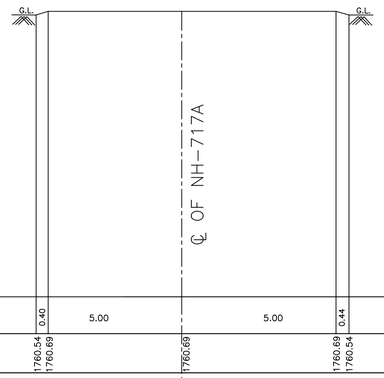
## PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100

## GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM -1751 .0m




| | |
|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.40 / 5.00 / 5.00 / 0.44 |
| REDUCED LEVEL IN m ABOVE MSL | 1760.54 / 1760.69 / 1760.69 / 1760.69 / 1760.54 |
| ℄ CHAINAGE | SEC. CH: 92+239Km |
| SOIL STRATIFICATION | |

## TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TURNING POINT
- INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1760.54m
4. Crossing Length-10.84m

| ALIGNMENT DRAWING | SILUGURU-ALN-50 |
|---|---|
| ROUTE MAP | SILUGURU-ROUTEMAP-03 |

| DRAWING TITLE | DRG.NO. |
|---|---|
| REFERENCE DRAWINGS | |

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-12-22 | Submission-Reroute | M.Kavya | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

ISSUE RECORD

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: INDRADHANUSH GAS GRID LIMITED

SURVEY CONSULTANT: INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

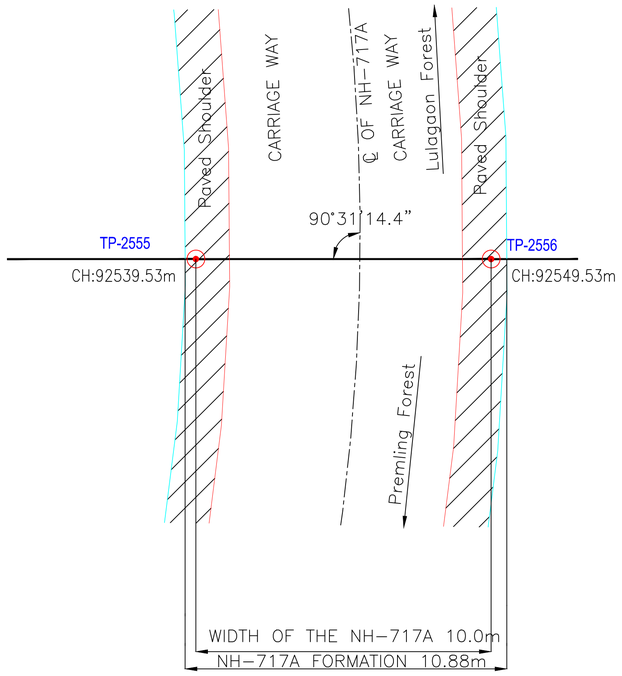
NH-717A CROSSING AT (PEMLING FOREST) CHAINAGE 92.239Km

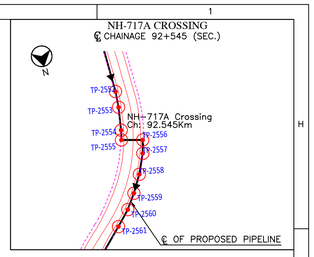
| SCALE: 1:100 | DRAWING NUMBER | SGPL-CRS-NH-39 | R | 3 |
|---|---|---|---|---|

# NH-717A CROSSING

℄ CHAINAGE :92+545(SEC.)

SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

N

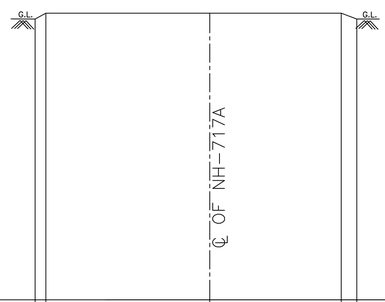
## PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100

## GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM -1738 .0m




| | | | | | |
|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.36 | 5.0 | 5.0 | 0.52 | |
| REDUCED LEVEL IN m ABOVE MSL | 1747.51 1747.71 | 1747.71 | 1747.71 | 1747.71 1747.51 | |
| ℄ CHAINAGE | | | SEC. CH: 92+545Km | | |
| SOIL STRATIFICATION | | | | | |

## TOPOGRAPHIC SYMBOLS

- PROPOSED PIPELINE
- EXISTING PIPELINE
- TP TURNING POINT
- IP INTERMEDIATE POINT
- METALLED ROAD
- CART TRACK
- FOOTPATH
- RAILWAY
- DRAIN/CANAL/RIVER
- WATER TANK, LAKE OR RESERVOIR
- BRIDGE, CULVERT
- HOUSE
- TEMPLE
- COMPOUND WALL WITH GATE
- FENCING
- FOREST
- TREE
- HIGHTEHSION POLE
- ELECTRIC POLE
- TELEPHONE POLE
- STREET LIGHT
- TRANSFORMER
- PYLON
- MANHOLE
- OFC
- TRAFFIC SIGNAL
- DGPS STATION
- OIL STONE
- NFS STONE
- GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1747.51 m
4. Crossing Length-10.88m

| ALIGNMENT DRAWING | SILUGURU-ALN-51 |
|---|---|
| ROUTE MAP | SILUGURU-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

ISSUE RECORD

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-12-22 | Submission-Reroute | M.Kavya | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.J | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.J | P.B.RAO |

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGGL — INDRADHANUSH GAS GRID LIMITED

SURVEY CONSULTANT: INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

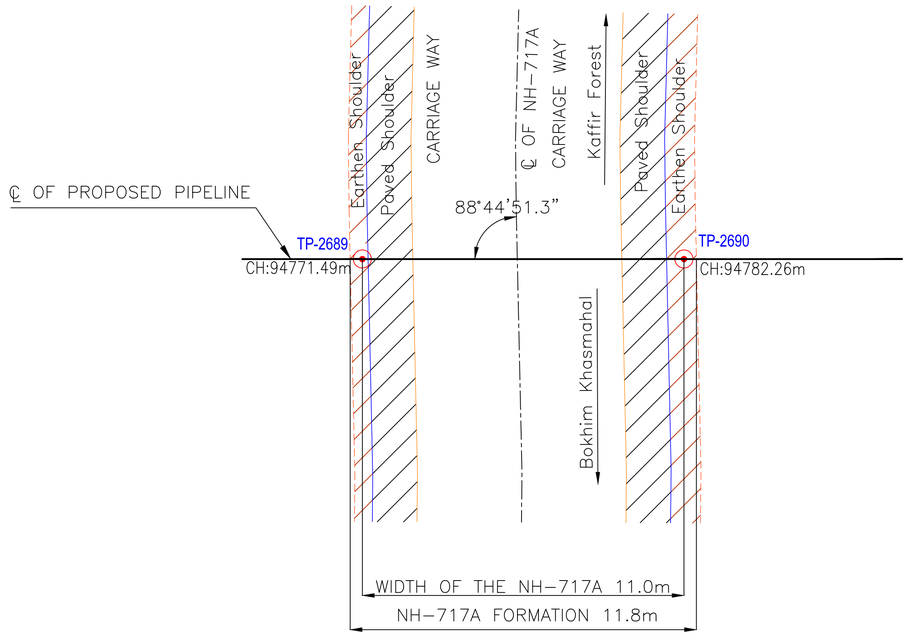
NH-717A CROSSING AT (PEMLING FOREST) CHAINAGE 92.545Km

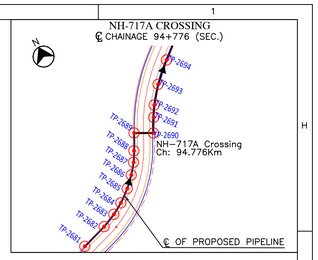
SCALE: 1:100 | DRAWING NUMBER: SGPL-CRS-NH-40 | R 3

# NH-717A CROSSING

℄ CHAINAGE :94+776(SEC.)

SILIGURI ← → GANGTOK




KEY PLAN
NOT TO SCALE

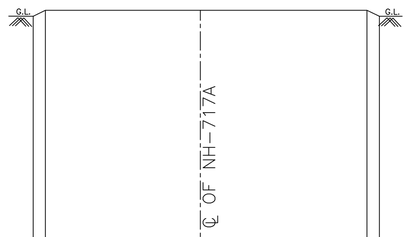
## PLANIMETRY

SCALE
ALONG THE ALIGNMENT 1:100
ACROSS THE ALIGNMENT 1:100

## GROUND PROFILE

SCALE :
HORIZONTAL 1:100
VERTICAL 1:100

DATUM -1647.0m




| | | | | | |
|---|---|---|---|---|---|
| DISTANCE BETWEEN LEVEL POINTS (m) | 0.40 | 5.5 | 5.5 | 0.40 | |
| REDUCED LEVEL IN m ABOVE MSL | 1655.89 1656.05 | 1656.05 | 1656.05 | 1656.05 1655.89 | |
| ℄ CHAINAGE | | | SEC. CH: 94+776Km | | |
| SOIL STRATIFICATION | | | | | |

## TOPOGRAPHIC SYMBOLS

PROPOSED PIPELINE
EXISTING PIPELINE
TP TURNING POINT
IP INTERMEDIATE POINT
METALLED ROAD
CART TRACK
FOOTPATH
RAILWAY
DRAIN/CANAL/RIVER
WATER TANK, LAKE OR RESERVOIR
BRIDGE, CULVERT
HOUSE
TEMPLE
COMPOUND WALL WITH GATE
FENCING
FOREST
TREE
HIGHTEHSION POLE
ELECTRIC POLE
TELEPHONE POLE
STREET LIGHT
TRANSFORMER
PYLON
MANHOLE
OFC OFC
TRAFFIC SIGNAL
DGPS STATION
OIL STONE
NFS STONE
GROUND PROFILE

## APPROVING AUTHORITY

NAME OF THE ROAD :- NH-717A CROSSING

NOTES:-
1. All dimensions are in metre unless otherwise mentioned.
2. All levels are with respect to M.S.L.
3. Ground Level(MSL)-1655.89m
4. Crossing Length-11.8m

| | |
|---|---|
| ALIGNMENT DRAWING | SILUGURU-ALN-53 |
| ROUTE MAP | SILUGURU-ROUTEMAP-03 |
| DRAWING TITLE | DRG.NO. |

REFERENCE DRAWINGS

| NO | DATE | DESCRIPTION | BY | VERIFIED |
|---|---|---|---|---|
| 3 | 14-12-22 | Submission-Reroute | M.Kavya | Rajkumar |
| 2 | 29-7-22 | Final Submission | D.Krishna | Rajkumar |
| 1 | 07-6-22 | Final Copy | K.J.S | P.B.RAO |
| 0 | 13-4-22 | Draft Copy | K.J.S | P.B.RAO |

ISSUE RECORD

CITY GAS DETAILED SURVEY FOR NORTH EASTERN GAS GRID PIPELINE PROJECT
SECTION : SILIGURI TO GANGTOK

CLIENT: IGGL — INDRADHANUSH GAS GRID LIMITED

SURVEY CONSULTANT: IN-RIMT — INDIAN RESOURCES INFORMATION & MANAGEMENT TECHNOLOGIES LTD. (IN-RIMT) HYDERABAD - 81 Email:mail@inrimt.com

NH-717A CROSSING AT (BOKHIM KHASMAHAL) CHAINAGE 94.776Km

SCALE: 1:100 | DRAWING NUMBER: SGPL-CRS-NH-41 | R 3