

**PRESENTATION BEFORE HON'BLE STATE
ENVIRONMENT IMPACT ASSESSMENT AUTHORITY,
ASSAM**

**INCLUSION OF NEW MINING LEASES
IN LAKHIMPUR DISTRICT, ASSAM**

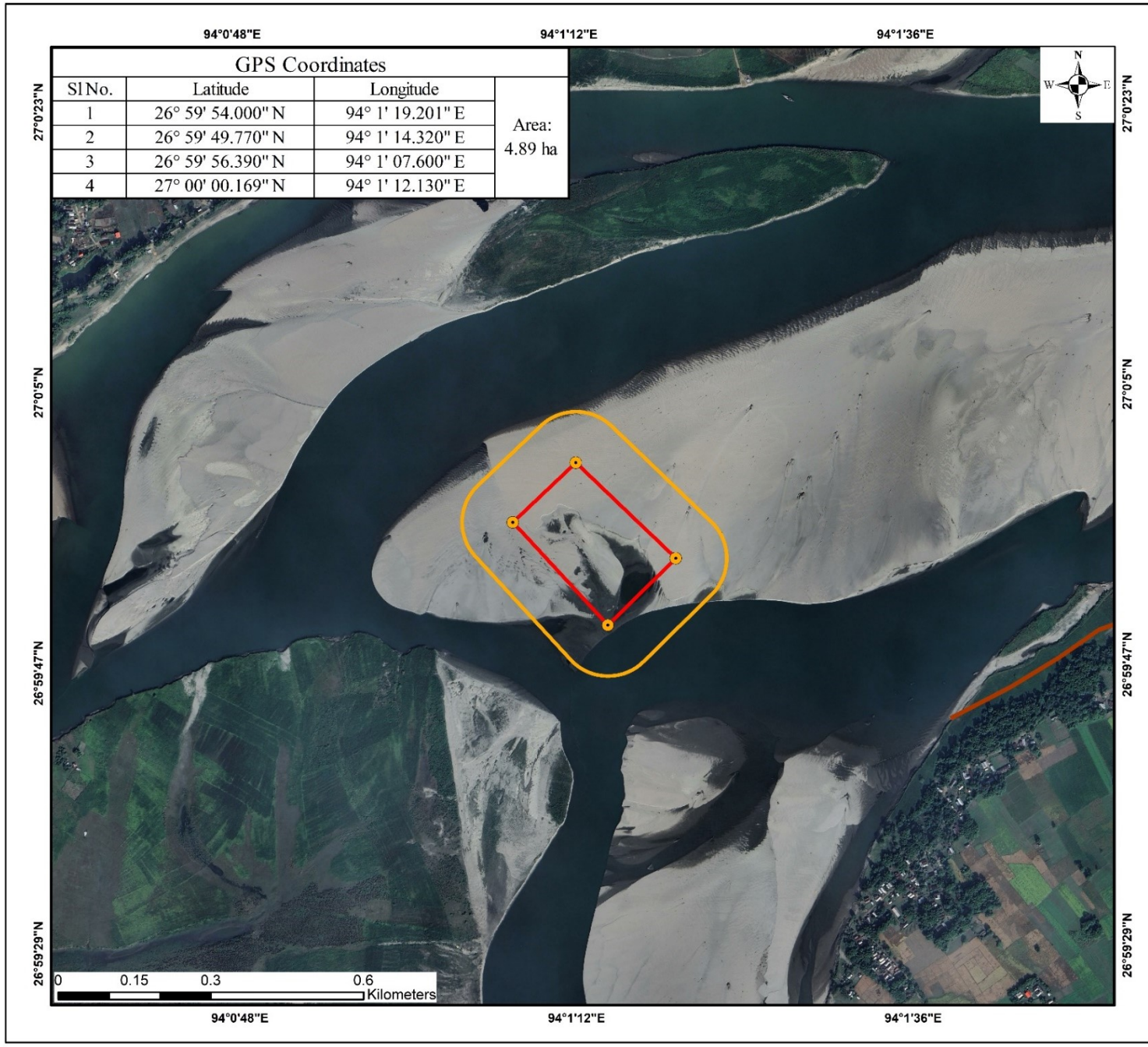
For: Minor minerals in River Bed Mining

Submitted by:
DISTRICT COMMISSIONER
District: Lakhimpur


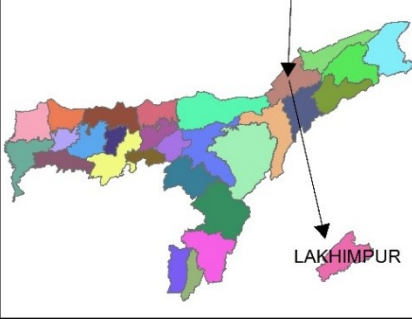
List of the newly added sites (river bed) :

Name of Mining Permit/Contract Area	River	Area (in Ha)	Mineral	GPS Coordinates	
				Latitude	Longitude
Borrow Area "T" Ordinary Clay/Silt MPA	Subansiri	4.89	Ordinary Clay/silt	26° 59' 54.000" N	94° 1' 19.201" E
				26° 59' 49.770" N	94° 1' 14.320" E
				26° 59' 56.390" N	94° 1' 07.600" E
				27° 00' 00.169" N	94° 1' 12.130" E
Borrow Area "U" Ordinary Clay/Silt MPA	Subansiri	4.02	Ordinary Clay/Silt	27° 0' 17.337" N	94° 1' 34.853" E
				27° 0' 14.737" N	94° 1' 36.808" E
				27° 0' 9.786" N	94° 1' 26.797" E
				27° 0' 8.866" N	94° 1' 20.255" E
				27° 0' 10.360" N	94° 1' 19.715" E
				27° 0' 12.297" N	94° 1' 25.233" E
Deejo Chapori P.P. Land MPA	Ranganadi	1.38	Ordinary Clay/Silt	27° 17' 18.468" N	94° 2' 29.297" E
				27° 17' 16.270" N	94° 2' 27.087" E
				27° 17' 12.754" N	94° 2' 30.917" E
				27° 17' 14.134" N	94° 2' 33.434" E

4	Dhakuakhana Ordinary Clay/Silt MPA	Korha	4.97	Ordinary Clay/Silt	27° 18' 16.758" N	94° 26' 1.493" E
					27° 18' 16.795" N	94° 26' 3.240" E
					27° 18' 10.387" N	94° 26' 4.467" E
					27° 18' 3.539" N	94° 26' 3.700" E
					27° 17' 58.965" N	94° 26' 1.949" E
					27° 17' 58.980" N	94° 25' 59.830" E
					27° 18' 4.452" N	94° 26' 1.133" E
					27° 18' 10.425" N	94° 26' 2.457" E
					27° 17' 49.857" N	94° 26' 1.579" E
					27° 17' 49.855" N	94° 26' 0.027" E
5	Proposed Dikrong Sand & Gravel MPA	Dikrong	1.92	Sand & Gravel	27° 5' 42.706" N	93° 51' 18.246" E
					27° 5' 40.330" N	93° 51' 17.350" E
					27° 5' 38.333" N	93° 51' 26.542" E
					27° 5' 40.690" N	93° 51' 27.044" E
6	Singra Ordinary Clay/Silt MPA	Singra	1.33	Ordinary Clay/Silt	27° 10' 46.737" N	93° 59' 2.305" E
					27° 10' 47.662" N	93° 59' 5.900" E
					27° 10' 43.905" N	93° 59' 8.427" E
					27° 10' 42.836" N	93° 59' 5.173" E



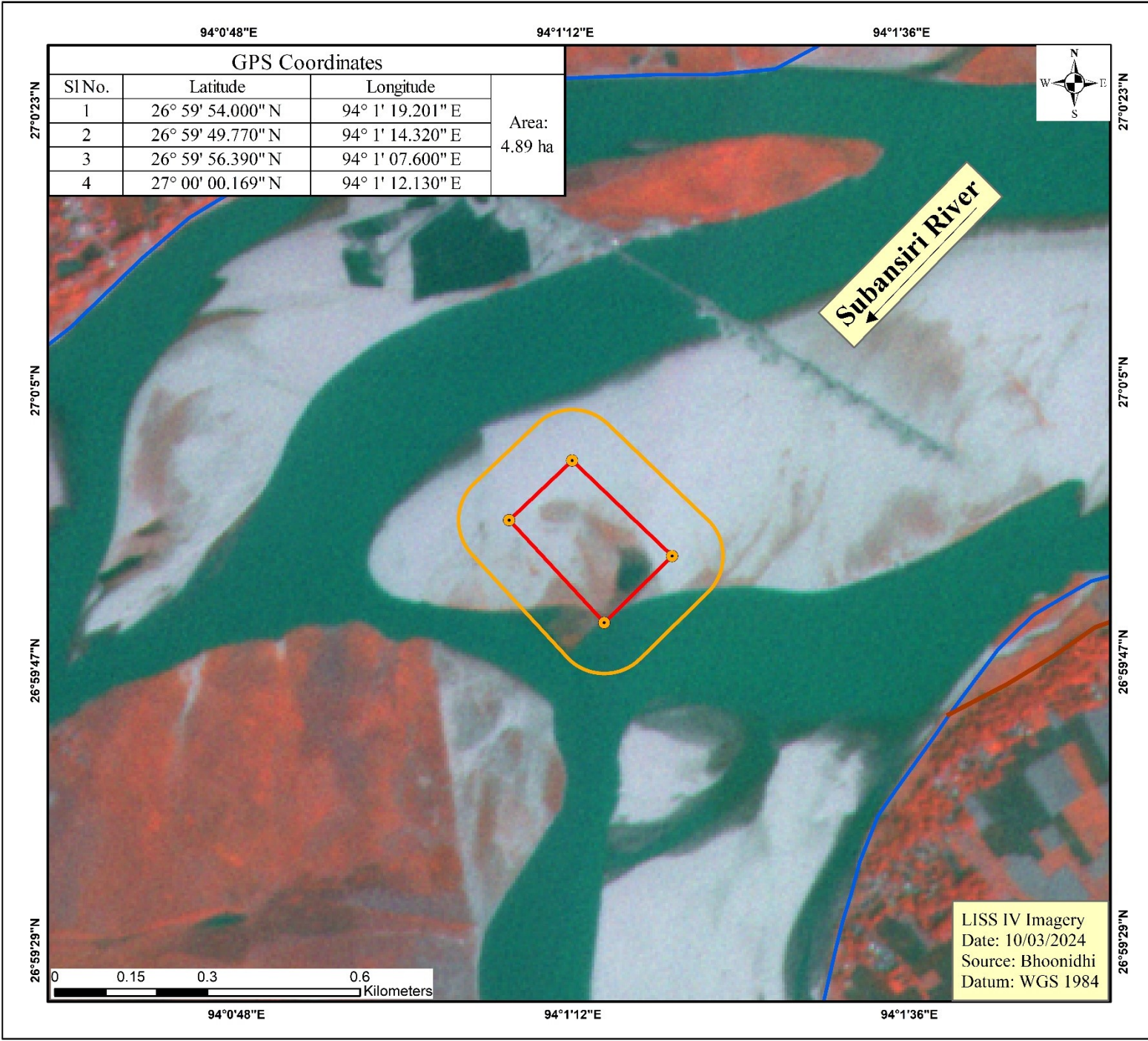
100 MTR BUFFER BOUNDARY MAP

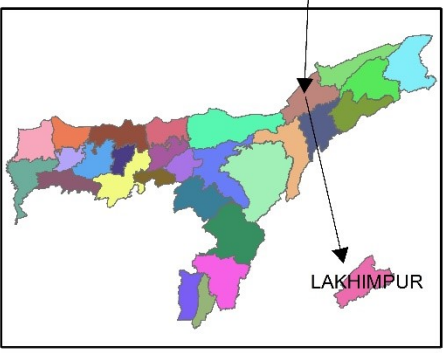
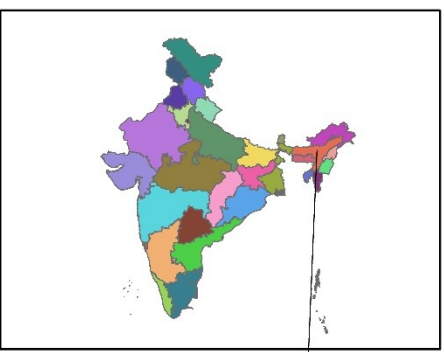
Borrow Area "T" Ordinary Clay/ Silt
Mining Permit Area
District: Lakhimpur, Assam
(Area Allotted: 4.89 ha)

LEGEND

- GPS Coordinates
- Extraction Path
- Project Site
- Buffer Boundary 100 mtr



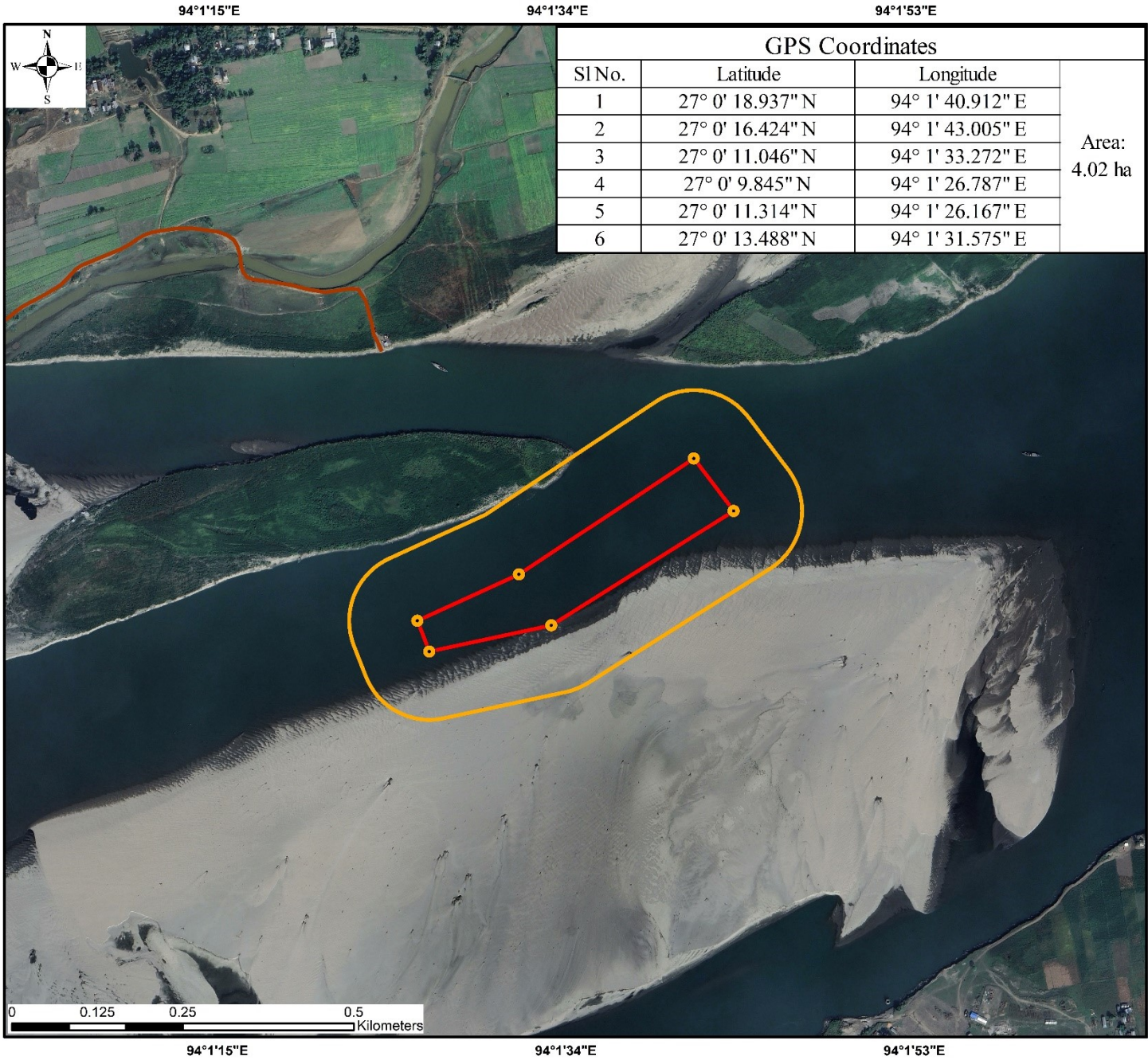
100 MTR BUFFER BOUNDARY MAP



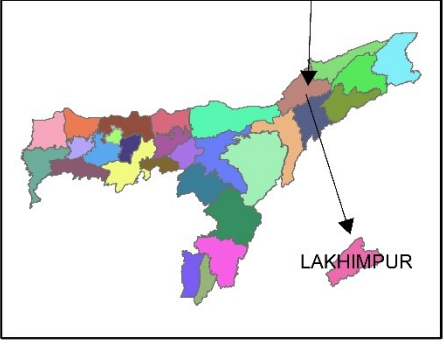
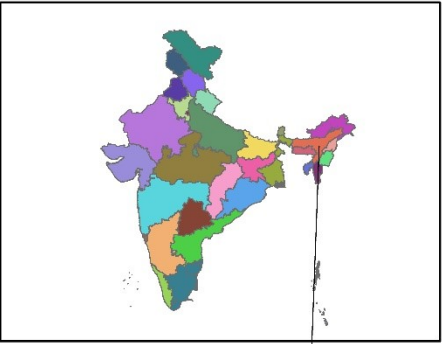
**Borrow Area "T" Ordinary Clay/ Silt
Mining Permit Area**
District: Lakhimpur, Assam
(Area Allotted: 4.89 ha)

LEGEND

- GPS Coordinates
- Extraction Path
- Project Site
- Buffer Boundary 100 mtr

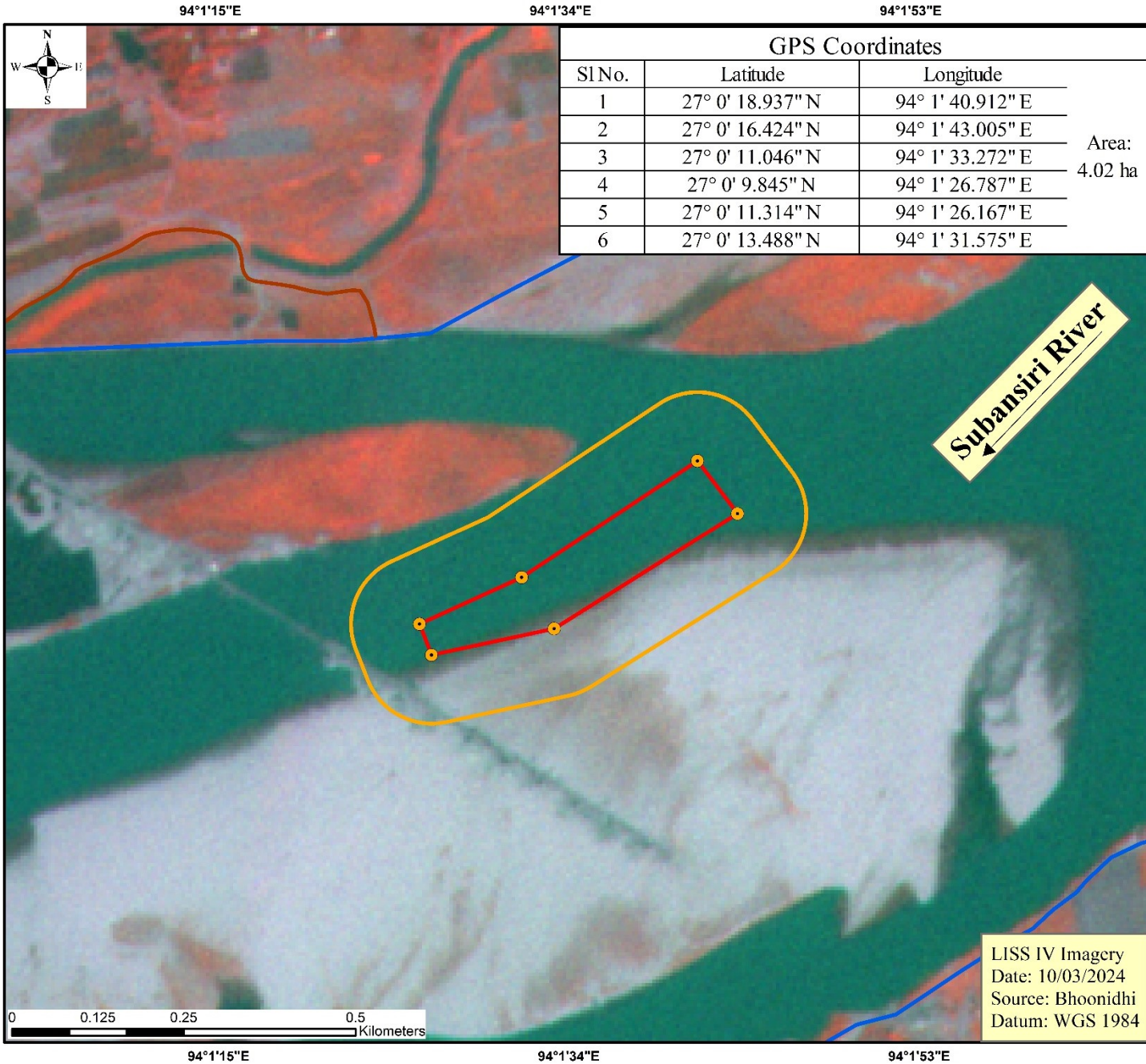


100 MTR BUFFER BOUNDARY MAP

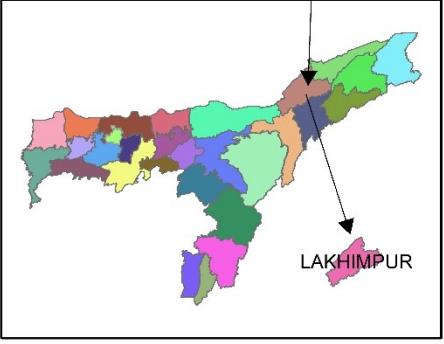
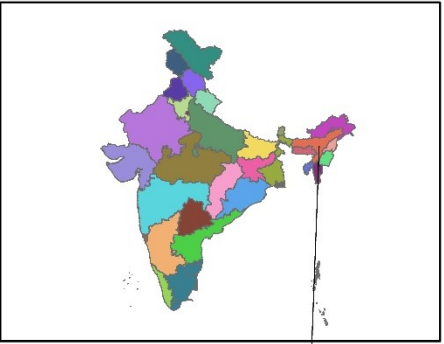


**Borrow Area "U" Ordinary Clay/ Silt
Mining Permit Area**
District: Lakhimpur, Assam
(Area Allotted: 4.02 ha)

- LEGEND**
- GPS Coordinates
 - Extraction Path
 - Project Site
 - Buffer Boundary 100 mtr



100 MTR BUFFER BOUNDARY MAP



Borrow Area "U" Ordinary Clay/ Silt
Mining Permit Area
District: Lakhimpur, Assam
(Area Allotted: 4.02 ha)

- LEGEND**
- GPS Coordinates
 - Extraction Path
 - Project Site
 - Buffer Boundary 100 mtr

94°2'18"E

94°2'29"E

94°2'39"E

94°2'49"E

GPS Coordinates

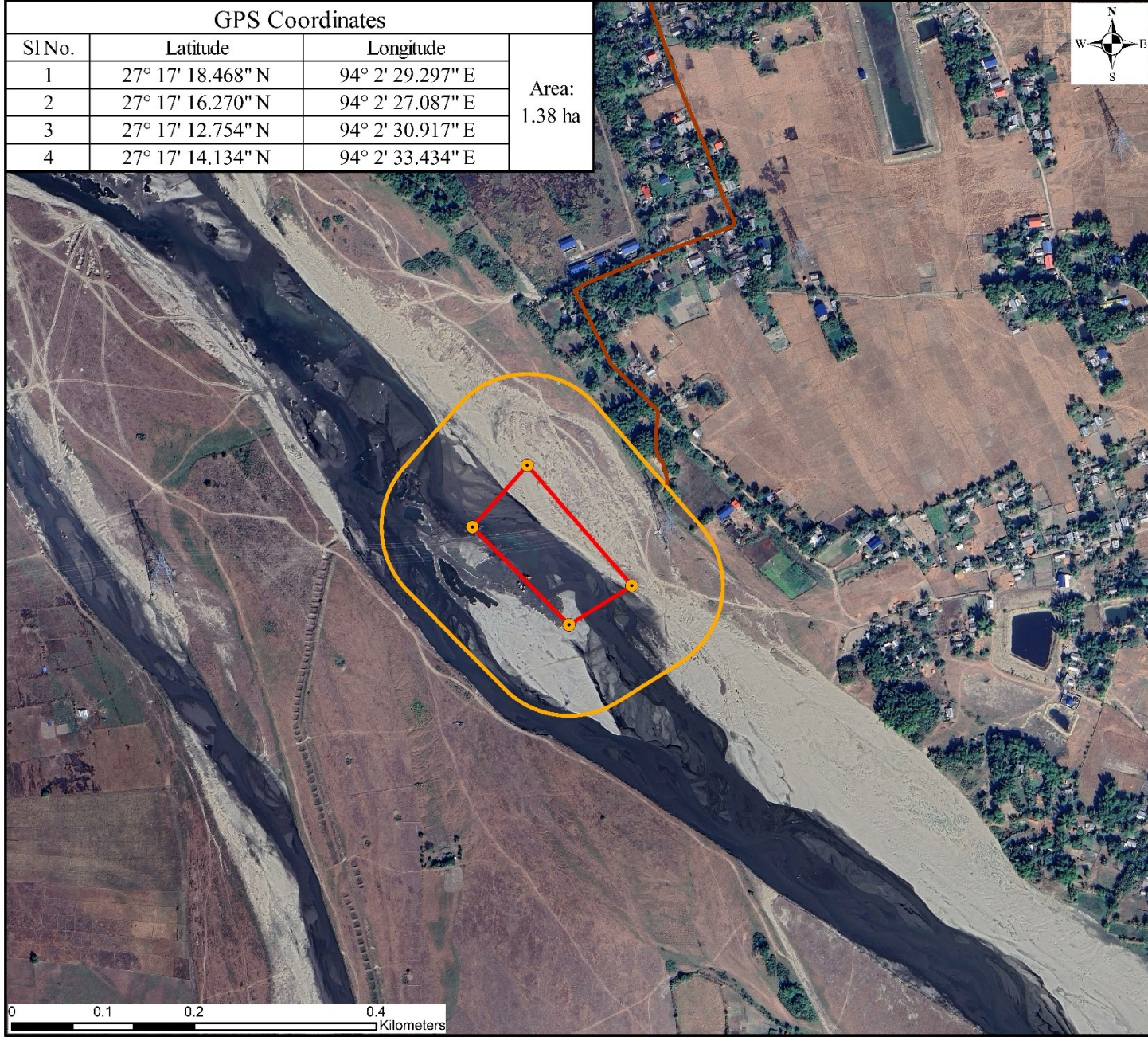
Sl No.	Latitude	Longitude	Area: 1.38 ha
1	27° 17' 18.468"N	94° 2' 29.297" E	
2	27° 17' 16.270"N	94° 2' 27.087" E	
3	27° 17' 12.754"N	94° 2' 30.917" E	
4	27° 17' 14.134"N	94° 2' 33.434" E	

27°17'30"N

27°17'20"N

27°17'10"N

27°17'0"N



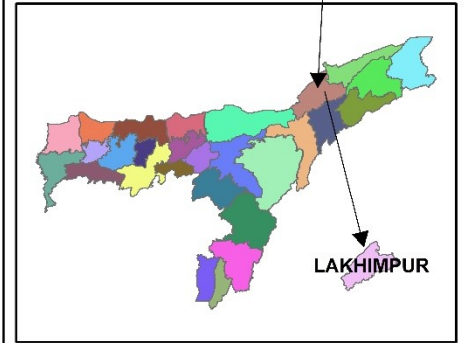
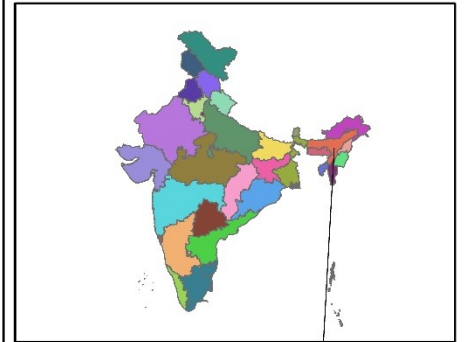
94°2'18"E

94°2'29"E

94°2'39"E

94°2'49"E

100 MTR BUFFER BOUNDARY MAP



27°17'30"N

27°17'20"N

27°17'10"N

27°17'0"N





Deejo Chapori P.P. Land

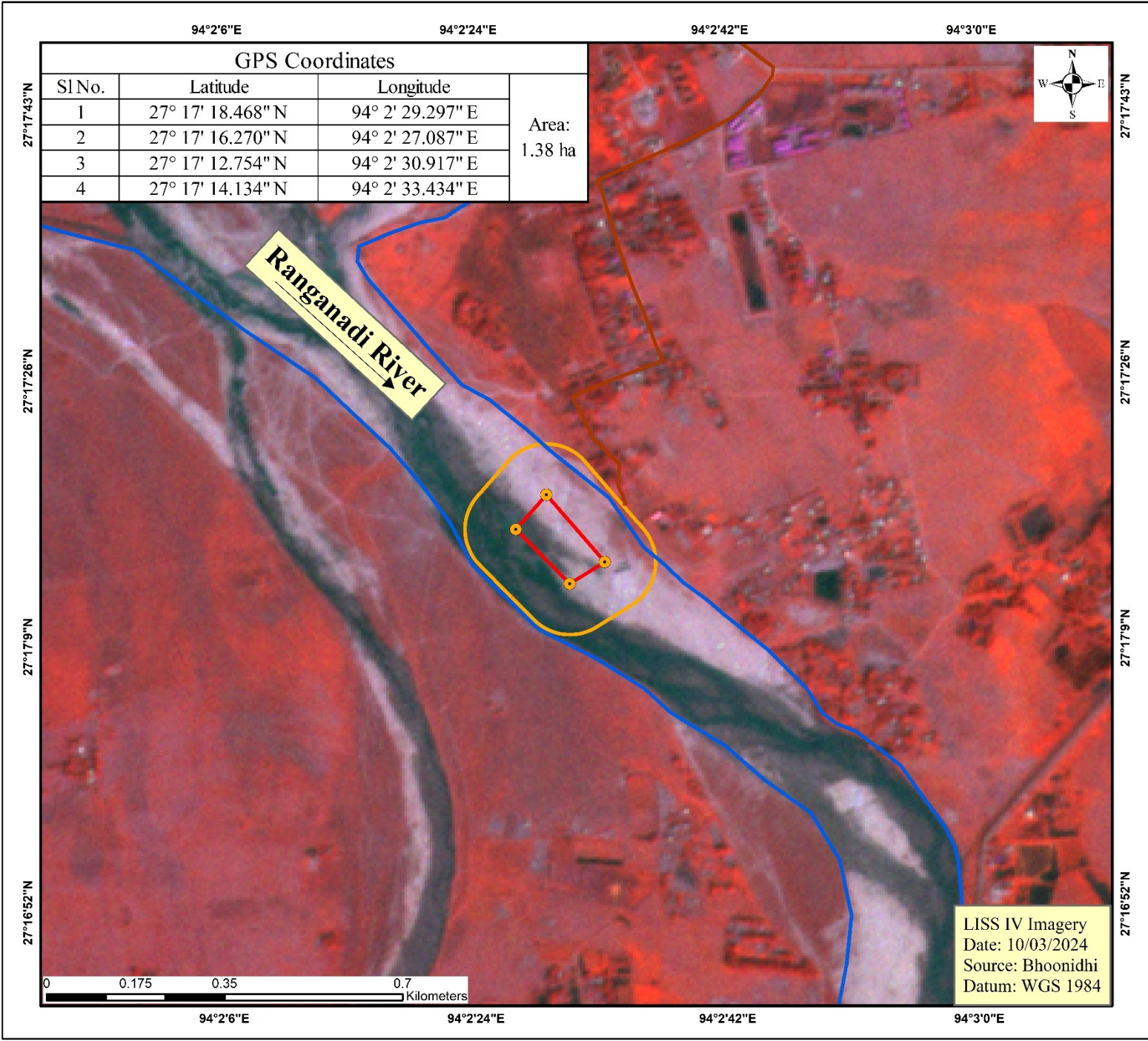
Mining Permit Area

District: Lakhimpur, Assam

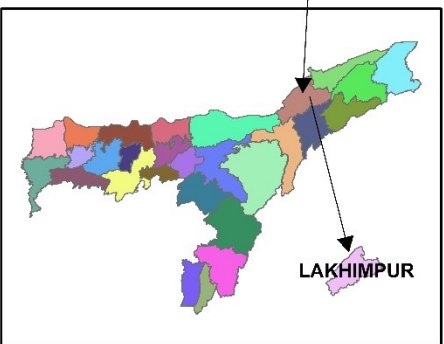
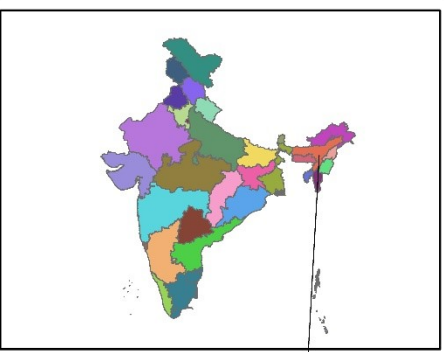
(Area Allotted: 1.38 ha)

LEGEND

-  GPS Coordinates
-  Extraction Path
-  Project Site
-  Buffer Boundary 100 mtr



100 MTR BUFFER BOUNDARY MAP



Deejo Chapori P.P. Land
Mining Permit Area
District: Lakhimpur, Assam
(Area Allotted: 1.38 ha)

LEGEND

- GPS Coordinates
- Extraction Path
- Project Site
- Buffer Boundary 100 mtr

93°51'12"E

93°51'24"E

93°51'36"E

GPS Coordinates

SI No.	Latitude	Longitude
1	27° 5' 42.706" N	93° 51' 18.246" E
2	27° 5' 40.330" N	93° 51' 17.350" E
3	27° 5' 38.333" N	93° 51' 26.542" E
4	27° 5' 40.690" N	93° 51' 27.044" E

Area:
1.92 ha



27°5'52"N

27°5'44"N

27°5'36"N

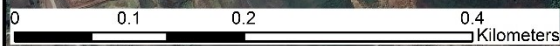
27°5'28"N

27°5'52"N

27°5'44"N

27°5'36"N

27°5'28"N

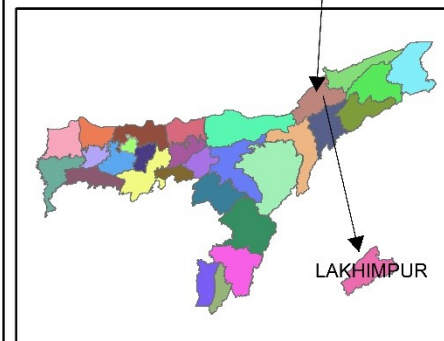
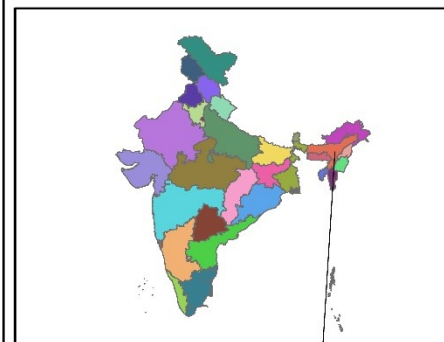


93°51'12"E

93°51'24"E

93°51'36"E

100 MTR BUFFER BOUNDARY MAP



**Proposed Dikrong Sand & Gravel
Mining Permit Area**
District: Lakhimpur, Assam
(Area Allotted: 1.92 ha)

LEGEND

- GPS Coordinates
- Extraction Path
- Project Site
- Buffer Boundary 100 mtr

93°51'12"E

93°51'24"E

93°51'36"E

GPS Coordinates

Sl No.	Latitude	Longitude
1	27° 5' 42.706"N	93° 51' 18.246" E
2	27° 5' 40.330"N	93° 51' 17.350" E
3	27° 5' 38.333"N	93° 51' 26.542" E
4	27° 5' 40.690"N	93° 51' 27.044" E

Area:
1.92 ha



Dikrong River

27°5'52"N

27°5'52"N

27°5'44"N

27°5'44"N

27°5'36"N

27°5'36"N

27°5'28"N

27°5'28"N



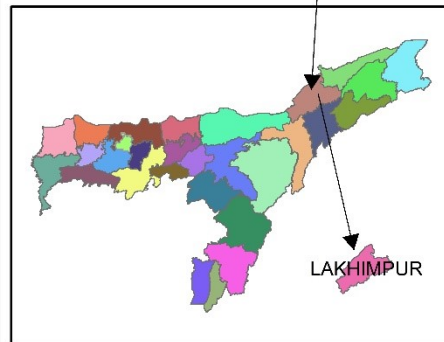
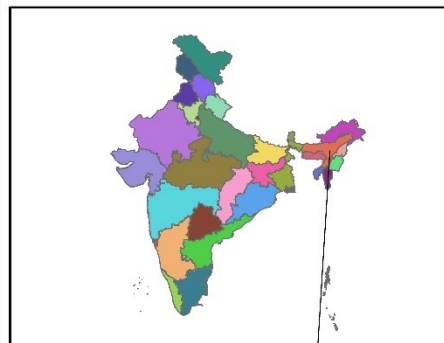
93°51'12"E

93°51'24"E

93°51'36"E

LISS IV Imagery
Date: 10/03/2024
Source: Bhoonidhi
Datum: WGS 1984

100 MTR BUFFER BOUNDARY MAP



**Proposed Dikrong Sand & Gravel
Mining Permit Area**
District: Lakhimpur, Assam
(Area Allotted: 1.92 ha)

LEGEND

- GPS Coordinates
- Extraction Path
- Project Site
- Buffer Boundary 100 mtr

93°58'59"E

93°59'4"E

93°59'8"E

93°59'12"E



27°10'52"N

27°10'48"N

27°10'44"N

27°10'40"N



GPS Coordinates		
Sl No.	Latitude	Longitude
1	27° 10' 46.737" N	93° 59' 2.305" E
2	27° 10' 47.662" N	93° 59' 5.900" E
3	27° 10' 43.905" N	93° 59' 8.427" E
4	27° 10' 42.836" N	93° 59' 5.173" E

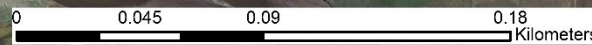
Area:
1.33 ha

27°10'52"N

27°10'48"N

27°10'44"N

27°10'40"N



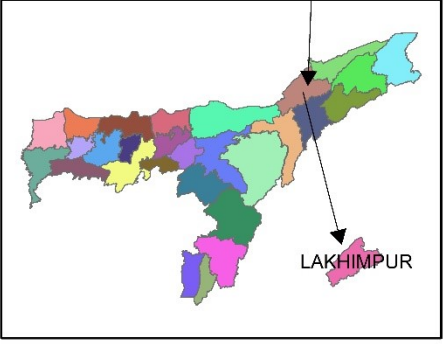
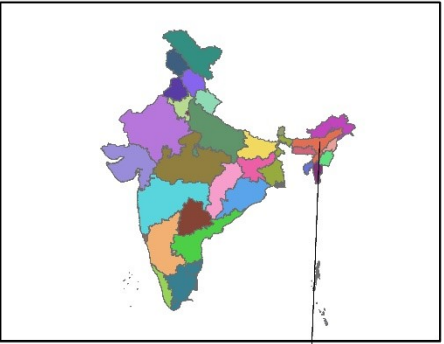
93°58'59"E

93°59'4"E

93°59'8"E

93°59'12"E

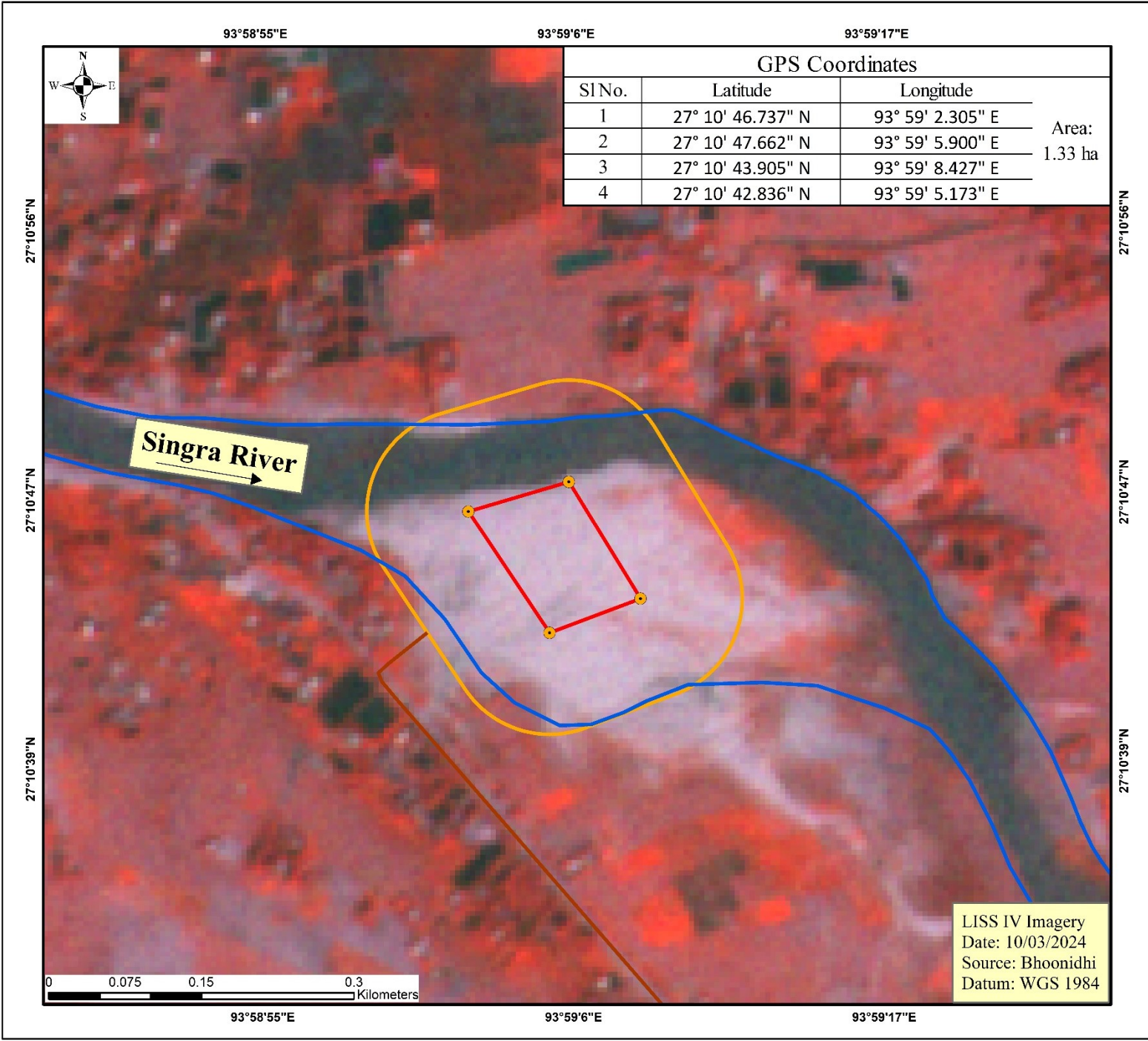
100 MTR BUFFER BOUNDARY MAP



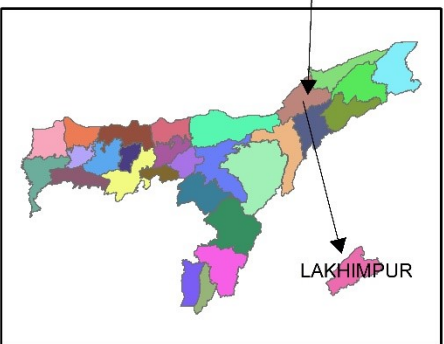
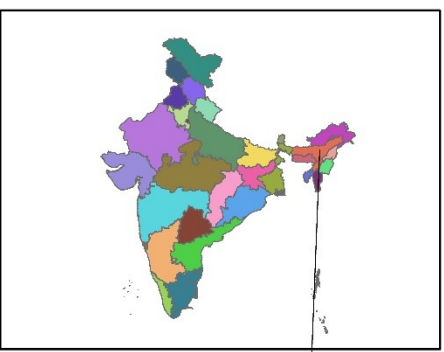
**Singra Ordinary Clay/ Clay
Mining Permit Area**
District: Lakhimpur, Assam
(Area Allotted: 1.33 ha)

LEGEND

- GPS Coordinates
- Extraction Path
- Project Site
- Buffer Boundary 100 mtr



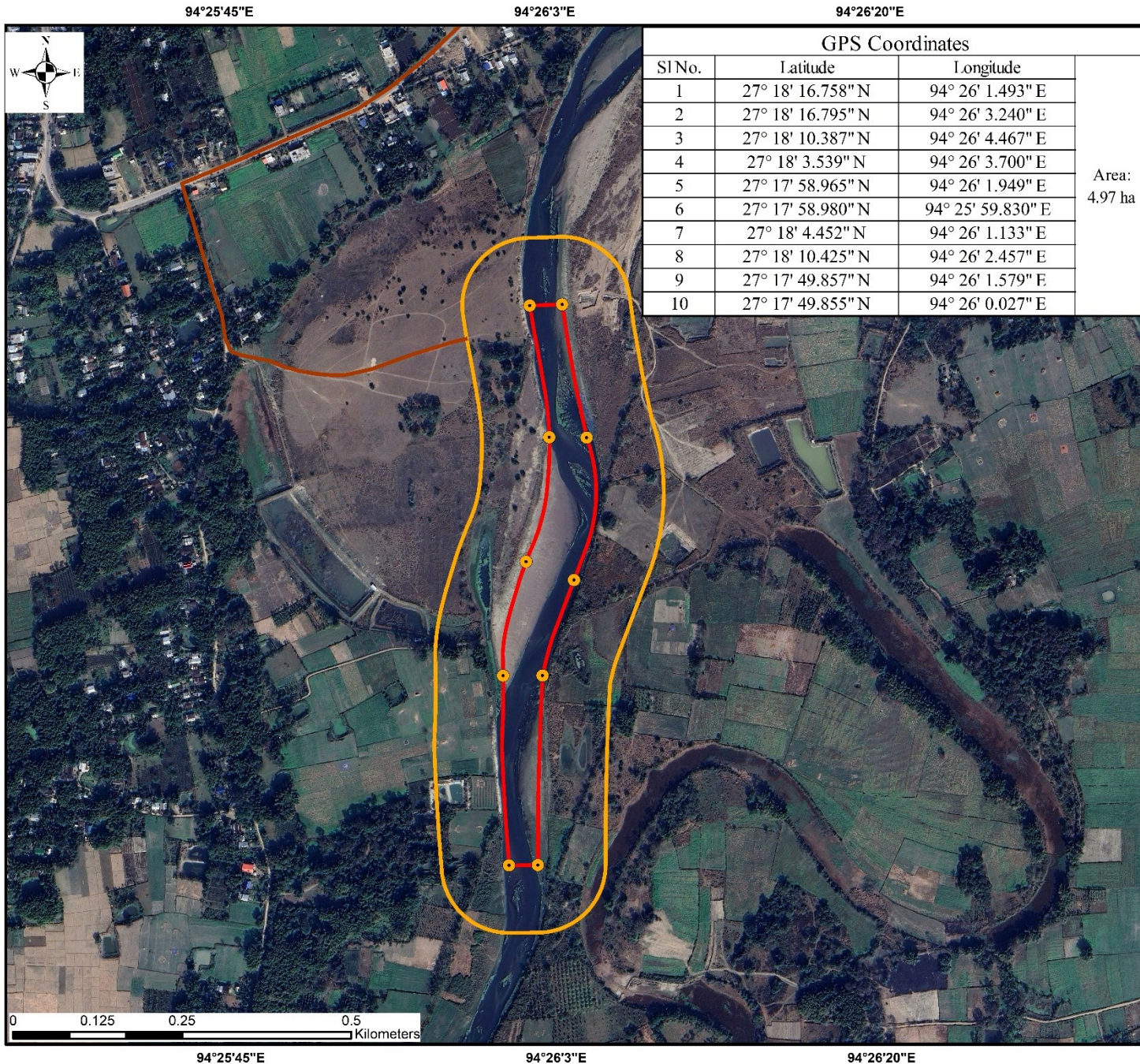
100 MTR BUFFER BOUNDARY MAP



Singra Ordinary Clay/ Clay Mining Permit Area
District: Lakhimpur, Assam
(Area Allotted: 1.33 ha)

LEGEND

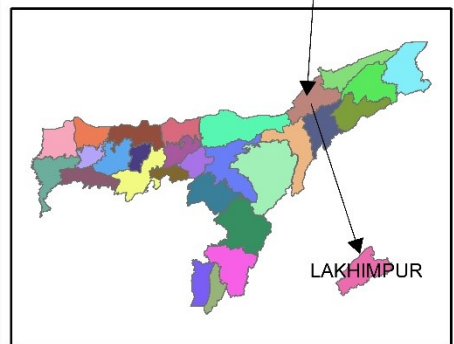
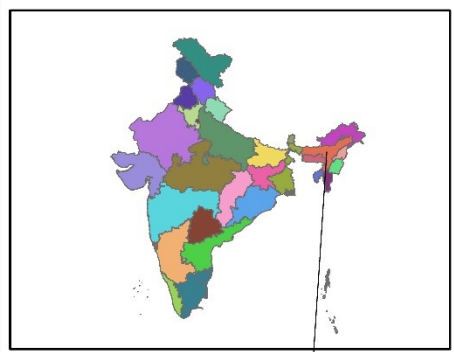
- GPS Coordinates
- Extraction Path
- Project Site
- Buffer Boundary 100 mtr



GPS Coordinates		
Sl No.	Latitude	Longitude
1	27° 18' 16.758" N	94° 26' 1.493" E
2	27° 18' 16.795" N	94° 26' 3.240" E
3	27° 18' 10.387" N	94° 26' 4.467" E
4	27° 18' 3.539" N	94° 26' 3.700" E
5	27° 17' 58.965" N	94° 26' 1.949" E
6	27° 17' 58.980" N	94° 25' 59.830" E
7	27° 18' 4.452" N	94° 26' 1.133" E
8	27° 18' 10.425" N	94° 26' 2.457" E
9	27° 17' 49.857" N	94° 26' 1.579" E
10	27° 17' 49.855" N	94° 26' 0.027" E

Area:
4.97 ha

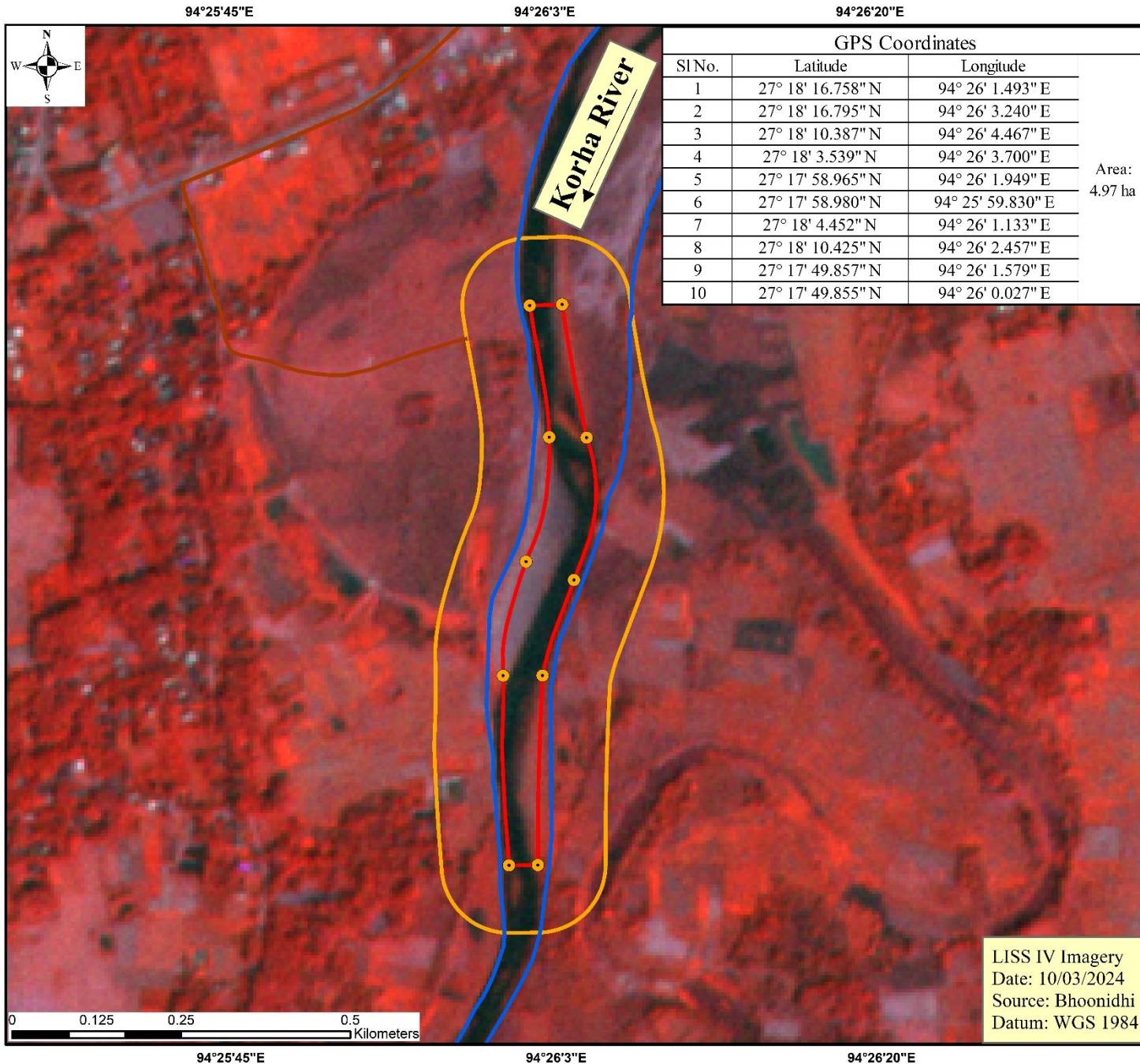
100 MTR BUFFER BOUNDARY MAP



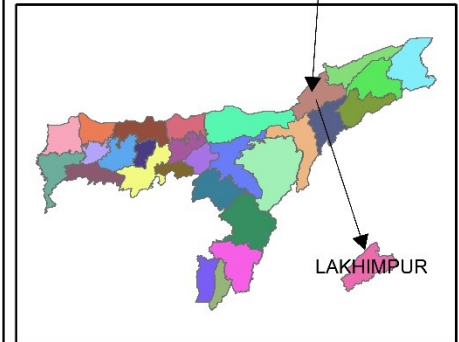
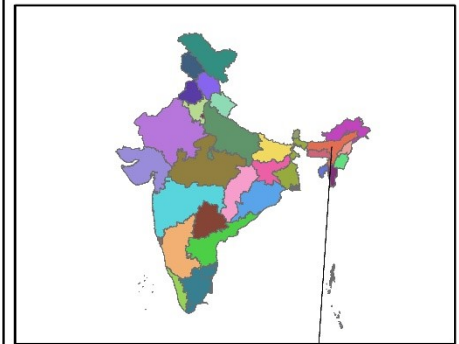
**Dhakuakhana Ordinary Clay/ Silt
Mining Permit Area**
District: Lakhimpur, Assam
(Area Allotted: 4.97 ha)

LEGEND

- GPS Coordinates
- Extraction Path
- Project Site
- Buffer Boundary 100 mtr







100 MTR BUFFER BOUNDARY MAP

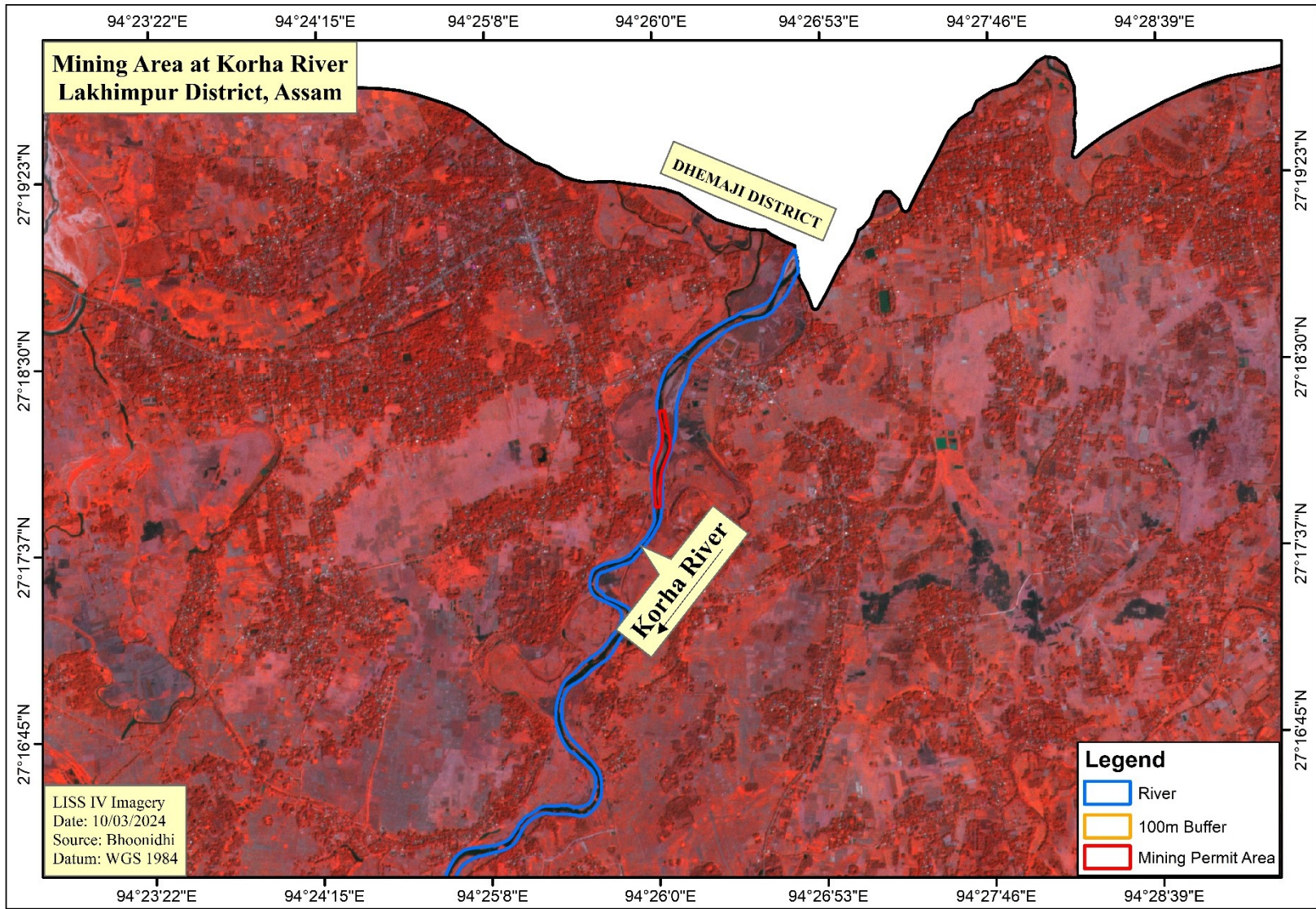


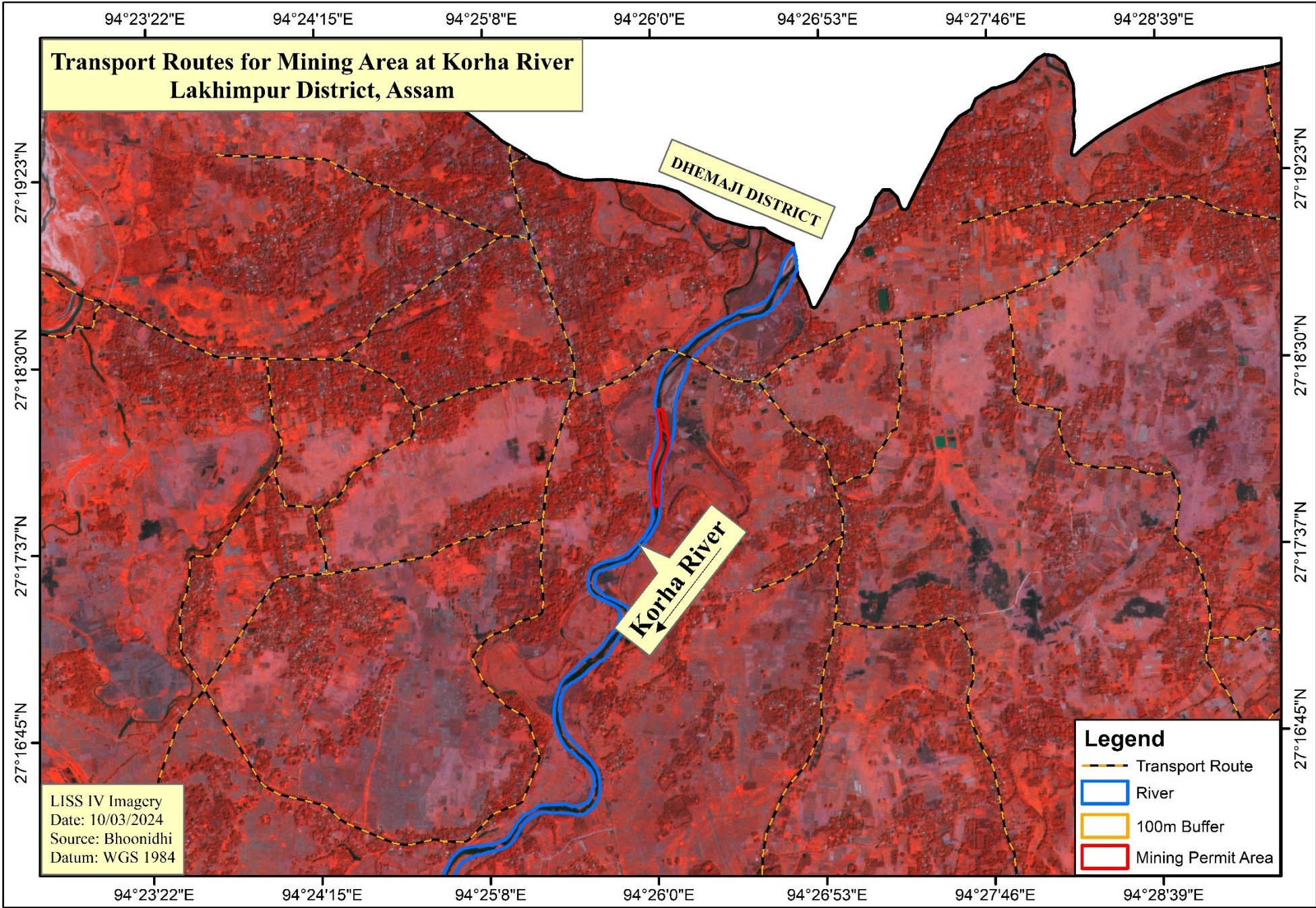
**Dhakuakhana Ordinary Clay/ Silt
Mining Permit Area**
District: Lakhimpur, Assam
(Area Allotted: 4.97 ha)

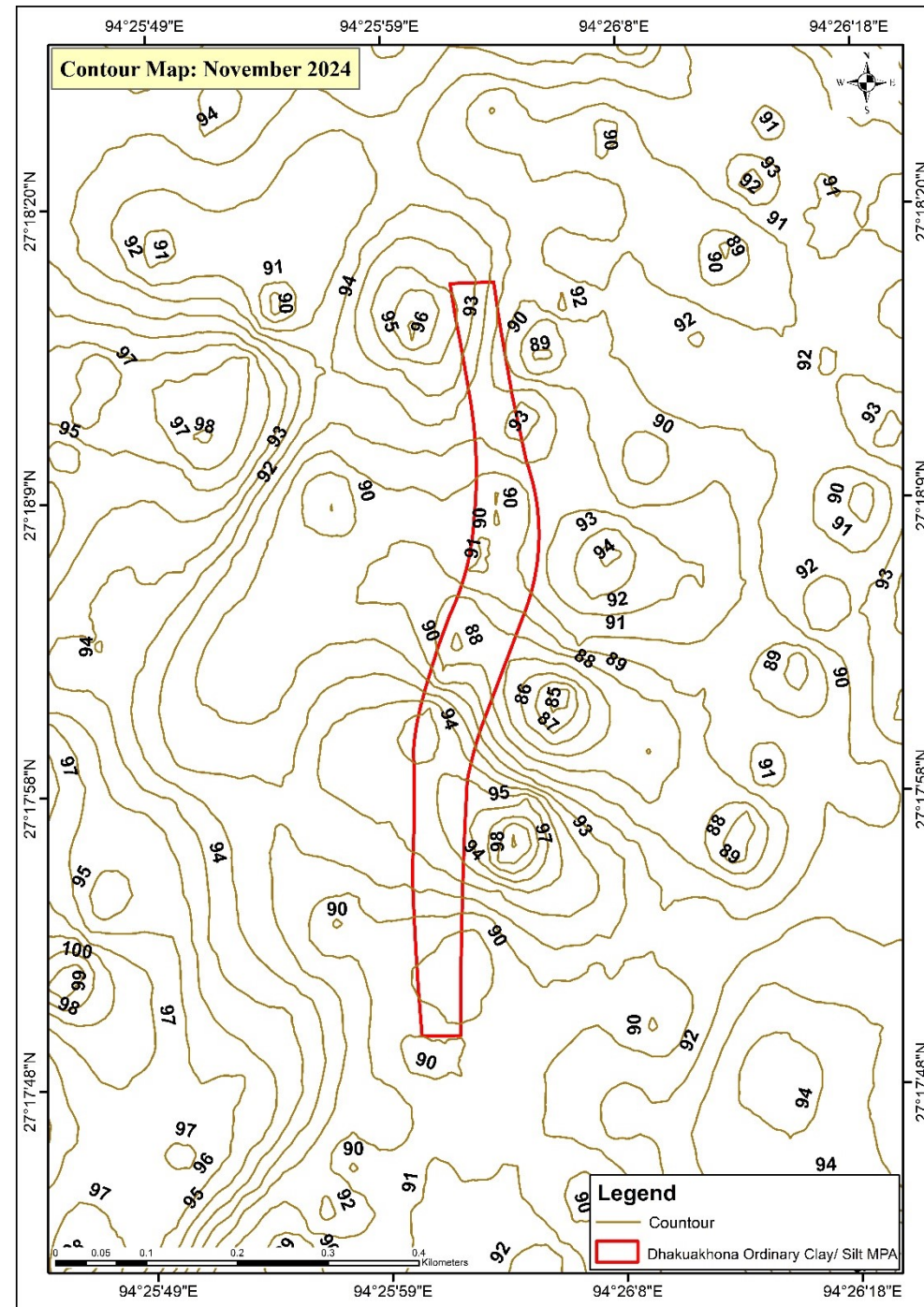
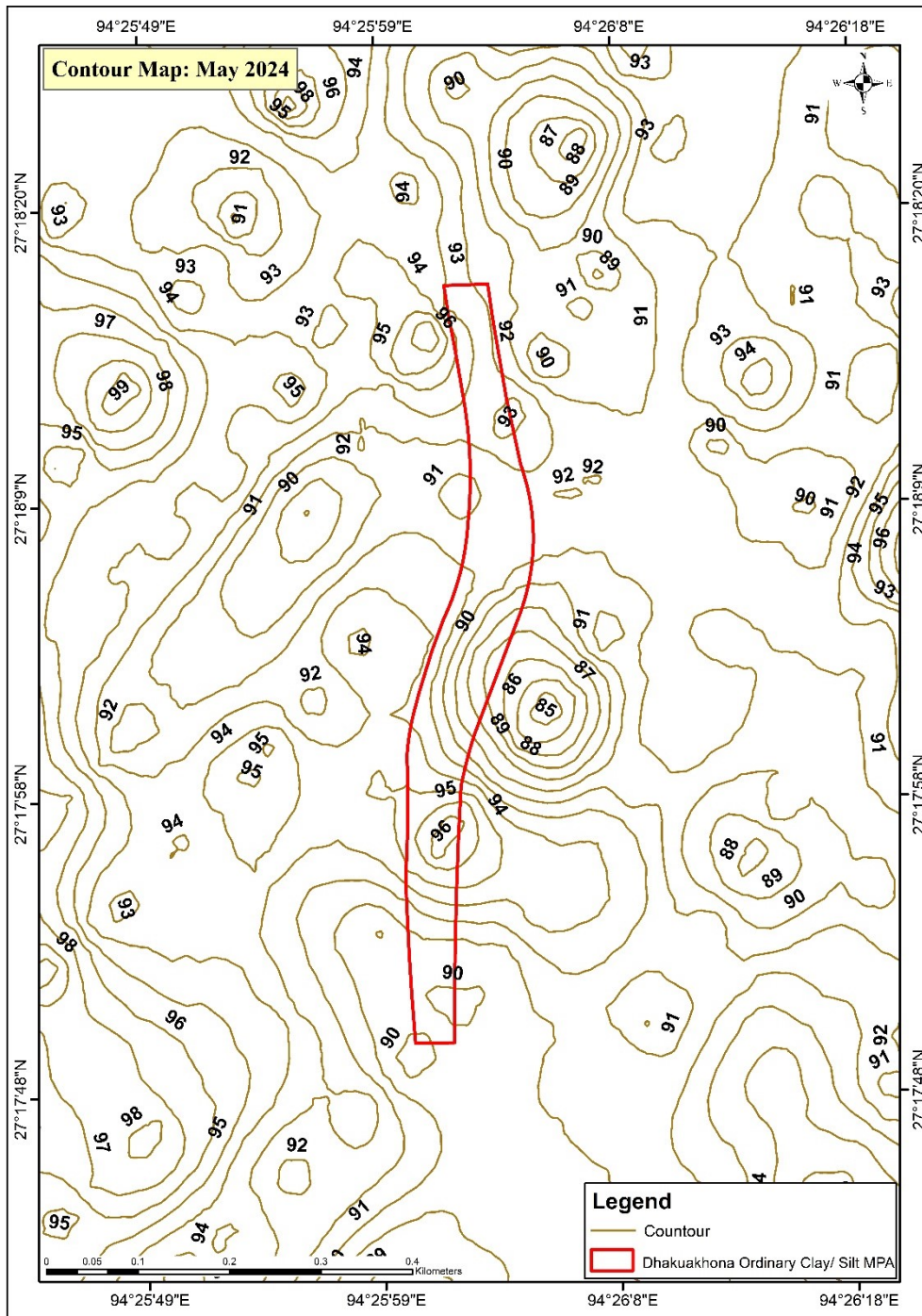
LEGEND

-  GPS Coordinates
-  Extraction Path
-  Project Site
-  Buffer Boundary 100 mtr

RIVER MAP







Average rate of Replenishment

Sl no.	Name of river	Number of leases in the river	Values in Contour Map May 2024 (in meters)			Values in Contour November 2024 (in meters)			Average Rate of replenishment (in meters)
			Min	Max	Difference	Min	Max	Difference	
1	Korha	1	89	90	1	90	91	1	1

APPLICABILITY OF CLUSTER

Sl no.	Name of Mining Permit/Contract Area	River	Area (in Ha)	Applicability of cluster
1	Borrow Area "T" Ordinary Clay/Silt MPA	Subansiri	4.89	NO
2	Borrow Area "U" Ordinary Clay/Silt MPA	Subansiri	4.02	NO
3	Deejo Chapori P.P. Land MPA	Ranganadi	1.38	NO
4	Dhakuakhana Ordinary Clay/Silt MPA	Korha	4.97	NO
5	Dikrong Sand & Gravel MPA	Dikrong	1.92	NO
6	Singra Ordinary Clay/Silt MPA	Singra	1.33	NO

Mineral Reserve of the newly included Mining Permit Areas

Sl No.	Name of Mining Area	River	Mineable Area (in Ha.)	Area (in Sq.M)	Depth (m)	Volume (Area * Depth *) (in CuM)	Permissible Quantity i.e. 60% (in CuM)
1	Borrow Area "T" Ordinary Clay/Silt MPA	Subansiri	4.89	48900	1	48900	29340
2	Borrow Area "U" Ordinary Clay/Silt MPA	Subansiri	4.02	40200	1	40200	24120
3	Deejo Chapori P.P. Land MPA	Ranganadi	1.38	13800	1	13800	8280

Sl No.	Name of Mining Area	River	Mineable Area (in Ha.)	Area (in Sq.M)	Depth (m)	Volume (Area * Depth *) (in CuM)	Permissible Quantity i.e. 60% (in CuM)
4	Dhakuakhana Ordinary Clay/Silt MPA	Korha	4.97	49700	1	49700	29820
5	Proposed Dikrong Sand & Gravel MPA	Dikrong	1.92	19200	1	19200	11520
6	Singra Ordinary Clay/Silt MPA	Singra	1.33	13300	1	13300	7980

Site visit photographs of the knowledge partner with stakeholders of the District Committee



Borrow Area “T” Ordinary Clay/Silt MPA



Borrow Area “U” Ordinary Clay/Silt MPA



Deejo Chapori P.P. Land MPA



Dhakuakhana Ordinary Clay/Silt MPA

Site visit photographs of the knowledge partner with stakeholders of the District Committee



Dikrong Sand & Gravel MPA



Singra Ordinary Clay/Silt MPA

MINERAL TESTING REPORTS



RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House, Sun Polo colony, Dipar Boro Path
 Ahomgaon, Garchuk, Guwahati-781035 (Assam)
 Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896
 E-mail: materialtesting@rnt.in ; reliantfoundation2018@gmail.com, Website : www.rnt.in

Discipline: Mechanical Testing

Group: Building Materials

Date of issue of Report: 01-11-2025

TEST REPORT	
1 Name of Client:	The Divisional Forest Officer, Lakhimpur Forest Division, North Lakhimpur
2 Name of project:	District Survey Report, Lakhimpur District
3 Type of sample:	Ordinary Clay/Silt
4 Condition of Sample:	Ok
5 Date of Sample Received:	29-10-2025
6 Source of Material:	Subanshiri River (Borrow area T)
7 Test Sample Supplied by:	Customer
8 Test Done at :	" At the Laboratory located in the basement of our premises at the above mentioned address"

Test Results :Next Page

Page: 1 of 2



RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House, Sun Polo colony, Dipar Boro Path
 Ahomgaon, Garchuk, Guwahati-781035 (Assam)
 Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896
 E-mail: materialtesting@rnt.in ; reliantfoundation2018@gmail.com, Website : www.rnt.in

Discipline: Mechanical Testing

Group: Building Materials

Test Report No: 2510298701-1
 Sample ID: DFO/291025/Borrow area T/01

1. Name of Test: **Specific Gravity** Test Method: IS 2386-Part-III-1963 (Reaffirmed 2021)
 Type of Sample : **Ordinary Clay/Silt** Date of testing: 01-11-2025
 Source: **Subanshiri River (Borrow area T)** Environmental Conditions during test: Temperature : 26.9°C , Humidity: 67%

TEST RESULTS					
Sl. No.	Weight of Saturated Surface Dry Sample (gm)	Weight of Pycnometer containing Sample & filled with Distilled Water (gm)	Weight of Pycnometer filled with Water only (gm)	Weight of Oven Dried Sample (gm)	Specific Gravity [D/A-(B-C)]
	A	B	C	D	
1	650.5	2110.0	1706.5	644.5	2.61

Remarks : Calculations are As per IS:2386-Part -III -1963 Reaffirmed 2021 ,Clause No. 2.4.3, No limits Specified.
 Test Results are Satisfactory.



Page: 2 of 2



RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House; Sun Polo colony, Dipar Boro Path
Ahomgaon, Garchuk, Guwahati-781035 (Assam)
Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896
E-mail: materialtesting@rnt.in ; reliantfoundation2018@gmail.com, Website : www.rnt.in

Discipline: Mechanical Testing

Group: Building Materials

Date of issue of Report: 01-11-2025

TEST REPORT	
1 Name of Client:	The Divisional Forest Officer, Lakhimpur Forest Division, North Lakhimpur
2 Name of project:	District Survey Report, Lakhimpur District
3 Type of sample:	Ordinary Clay/Silt
4 Condition of Sample:	Ok
5 Date of Sample Received:	29-10-2025
6 Source of Material:	Subanshiri River (Borrow area U)
7 Test Sample Supplied by:	Customer
8 Test Done at :	" At the Laboratory located in the basement of our premises at the above mentioned address"

Test Results :Next Page

Page: 1 of 2



RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House; Sun Polo colony, Dipar Boro Path
Ahomgaon, Garchuk, Guwahati-781035 (Assam)
Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896
E-mail: materialtesting@rnt.in ; reliantfoundation2018@gmail.com, Website : www.rnt.in

Discipline: Mechanical Testing

Group: Building Materials

Test Report No: 2510294231-1

Sample ID: DFO/291025/Borrow area U/01

1. Name of Test: Specific Gravity

Test Method: IS 2386-Part-III-1963
(Reaffirmed 2021)

Type of Sample : Ordinary Clay/Silt

Date of testing: 01-11-2025

Source: Subanshiri River (Borrow area U)

Environmental Conditions during test:

Temperature : 26.9°C , Humidity: 67%

TEST RESULTS					
Sl. No.	Weight of Saturated Surface Dry Sample (gm)	Weight of Pycnometer containing Sample & filled with Distilled Water (gm)	Weight of Pycnometer filled with Water only (gm)	Weight of Oven Dried Sample (gm)	Specific Gravity [D/A-(B-C)]
	A	B	C	D	
1	661.5	2117.0	1706.5	655.5	2.61

Remarks : Calculations are As per IS:2386-Part -III -1963 Reaffirmed 2021 ,Clause No. 2.4.3, No limits Specified.
Test Results are Satisfactory.



Authorized Signatory

Page: 2 of 2



RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House; Sun Polo colony, Dipar Boro Path
Ahomgaon, Garchuk, Guwahati-781035 (Assam)
Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896
E-mail: materialtesting@rnt.in ; reliantfoundation2018@gmail.com, Website : www.rnt.in

Discipline: Mechanical Testing

Group: Building Materials

Date of issue of Report: 01-11-2025

TEST REPORT	
1 Name of Client:	The Divisional Forest Officer, Lakhimpur Forest Division, North Lakhimpur
2 Name of project:	District Survey Report, Lakhimpur District
3 Type of sample:	Ordinary Clay/Silt
4 Condition of Sample:	Ok
5 Date of Sample Received:	29-10-2025
6 Source of Material:	Deejo Chapori P.P. Land Ordinary Clay MPA
7 Test Sample Supplied by:	Customer
8 Test Done at :	" At the Laboratory located in the basement of our premises at the above mentioned address"

Test Results :Next Page

Page: 1 of 2



RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House; Sun Polo colony, Dipar Boro Path
Ahomgaon, Garchuk, Guwahati-781035 (Assam)
Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896
E-mail: materialtesting@rnt.in ; reliantfoundation2018@gmail.com, Website : www.rnt.in

Discipline: Mechanical Testing
Test Report No: 2510294231-3
Sample ID: DFO/291025/DC/01

Group: Building Materials

I. Name of Test: Specific Gravity

Test Method: IS 2386-Part-III-1963
(Reaffirmed 2021)

Type of Sample : Ordinary Clay/Silt

Date of testing: 01-11-2025

Source: Deejo Chapori P.P. Land Ordinary Clay MPA

Environmental Conditions during test:

Temperature : 26.9°C , Humidity: 67%

TEST RESULTS					
Sl. No.	Weight of Saturated Surface Dry Sample (gm)	Weight of Pycnometer containing Sample & filled with Distilled Water (gm)	Weight of Pycnometer filled with Water only (gm)	Weight of Oven Dried Sample (gm)	Specific Gravity [D/A-(B-C)]
	A	B	C	D	
1	629.0	2098.5	1706.5	623.0	2.63

Remarks : Calculations are As per IS:2386-Part-III -1963 Reaffirmed 2021 ,Clause No. 2.4.3, No limits Specified.
Test Results are Satisfactory.



Page: 2 of 2



RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House; Sun Polo colony, Dipar Boro Path
Ahomgaon, Garchuk, Guwahati-781035 (Assam)
Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896
E-mail: materialtesting@rint.in ; reliantfoundation2018@gmail.com, Website : www.rint.in

Discipline: Mechanical Testing

Group: Building Materials

Date of issue of Report: 01-11-2025

TEST REPORT	
1 Name of Client:	The Divisional Forest Officer, Lakhimpur Forest Division, North Lakhimpur
2 Name of project:	District Survey Report, Lakhimpur District
3 Type of sample:	Ordinary Clay/Silt
4 Condition of Sample:	Ok
5 Date of Sample Received:	29-10-2025
6 Source of Material:	Dhakuawakhana Ordinary Clay MCA
7 Test Sample Supplied by:	Customer
8 Test Done at :	" At the Laboratory located in the basement of our premises at the above mentioned address"

Test Results :Next Page

Page: 1 of 2



RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House; Sun Polo colony, Dipar Boro Path
Ahomgaon, Garchuk, Guwahati-781035 (Assam)
Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896
E-mail: materialtesting@rint.in ; reliantfoundation2018@gmail.com, Website : www.rint.in

Discipline: Mechanical Testing
Test Report No: 2510294231-2
Sample ID: DFO/291025/DOC/01

Group: Building Materials

1. Name of Test: Specific Gravity

Test Method: IS 2386-Part-III-1963
(Reaffirmed 2021)

Type of Sample : Ordinary Clay/Silt

Date of testing: 01-11-2025

Source: Dhakuawakhana Ordinary Clay MCA

Environmental Conditions during test:

Temperature : 26.9°C , Humidity: 67%

TEST RESULTS					
Sl. No.	Weight of Saturated Surface Dry Sample (gm)	Weight of Pycnometer containing Sample & filled with Distilled Water (gm)	Weight of Pycnometer filled with Water only (gm)	Weight of Oven Dried Sample (gm)	Specific Gravity [D/(A-B-C)]
	A	B	C	D	
1	649.5	2109.0	1706.5	644.5	2.61

Remarks : Calculations are As per IS:2386-Part -III -1963 Reaffirmed 2021 ,Clause No. 2.4.3, No limits Specified.
Test Results are Satisfactory.



Page: 2 of 2



Discipline: Mechanical Testing

Group: Building Materials

Date of issue of Report: 01-11-2025

TEST REPORT		
1	Name of Client:	The Divisional Forest Officer, Lakhimpur Division
2	Name of project:	District Survey Report, Lakhimpur District
3	Type of sample:	Sand + Gravel
4	Condition of Sample:	Ok
5	Date of Sample Received:	29-10-2025
6	Source of Material:	Dikrong Sand & Gravel MPA
7	Test Sample Supplied by:	Customer
8	Test Done at :	" At the Laboratory located in the basement of our premises at the above mentioned address"

Test Results :Next Page

Page: 1 of 3



Discipline: Mechanical Testing
 Test Report No: 2510297188-1
 Sample ID: DFO251029/Dikrong

Group: Building Materials

Name of Test: Gradation
 Test Method: IS 2386-Part-1-1963 (Reaffirmed 2021)
 Type of Sample : Sand + Gravel
 Date of testing: 30-10-2025
 Source: Dikrong Sand & Gravel MPA
 Environmental Conditions during test: Temperature : 27.0°C , Humidity: 68%

Sample-1

TEST RESULTS				
Is Sieve Size (mm)	Weight Retained (gm)	% Weight Retained (gm)	Cumulative % of Retained	% of Passing
300	0	0.00	0.00	100.00
75	0	0.00	0.00	100.00
20	121	10.15	10.15	89.85
4.75	210	17.62	27.77	72.23
0.075	697	58.47	86.24	13.76
Pin	164			
Total	1192			

% Boulder = 0.00 %
 % Gravel = 27.77 %
 % Sand = 58.47 %
 % Silt = 13.76 %

Source: Dikrong Sand & Gravel MPA

Sample-2

TEST RESULTS				
Is Sieve Size (mm)	Weight Retained (gm)	% Weight Retained (gm)	Cumulative % of Retained	% of Passing
300	0	0.00	0.00	100.00
75	0	0.00	0.00	100.00
20	153	11.44	11.44	88.56
4.75	218	16.31	27.75	72.25
0.075	779	58.26	86.01	13.99
Pin	187			
Total	1337			

% Boulder = 0.00 %
 % Gravel = 27.75 %
 % Sand = 58.26 %
 % Silt = 13.99 %





RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House; Sun Polo colony, Dipar Boro Path
Ahomgaon, Garchuk, Guwahati-781035 (Assam)
Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896
E-mail: materialtesting@rlnt.in ; reliantfoundation2018@gmail.com, Website : www.rlnt.in

Discipline: Mechanical Testing Group: Building Materials
Test Report No: 2510297188-2
Sample ID: DFO/251029/Dikrong

Source: Dikrong Sand & Gravel MPA
Sample-3

TEST RESULTS

Is Sieve Size (mm)	Weight Retained (gm)	% Weight Retained (gm)	Cumulative % of Retained	% of Passing
300	0	0.00	0.00	100.00
75	0	0.00	0.00	100.00
20	120	9.44	9.44	90.56
4.75	237	18.65	28.09	71.91
0.075	739	58.14	86.23	13.77
Pan	175			
Total	1271			

% Boulder = 0.00 %
% Gravel = 28.09 %
% Sand = 58.14 %
% Silt = 13.77 %

AVERAGE OF 3 Sample

SI NO.	Gravel %	Sand %	Silt %
Sample-1	27.77	58.47	13.76
Sample-2	27.75	58.26	13.99
Sample-3	28.09	58.14	13.77
Average	27.87	58.29	13.84



Page: 3 of 3



RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House; Sun Polo colony, Dipar Boro Path
Ahomgaon, Garchuk, Guwahati-781035 (Assam)
Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896
E-mail: materialtesting@rlnt.in ; reliantfoundation2018@gmail.com, Website : www.rlnt.in

Discipline: Mechanical Testing Group: Building Materials

Date of issue of Report: 01-11-2025

TEST REPORT

1	Name of Client:	The Divisional Forest Officer, Lakhimpur Forest Division, North Lakhimpur
2	Name of project:	District Survey Report, Lakhimpur District
3	Type of sample:	Sand + Gravel
4	Condition of Sample:	Ok
5	Date of Sample Received:	29-10-2025
6	Source of Material:	Dikrong Sand & Gravel MPA
7	Test Sample Supplied by:	Customer
8	Test Done at :	" At the Laboratory located in the basement of our premises at the above mentioned address"

Test Results :Next Page

Page: 1 of 2





RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House; Sun Polo colony, Dipar Boro Path

Ahomgaon, Garchuk, Guwahati-781035 (Assam)

Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896

E-mail: materialtesting@rnt.in ; reliantfoundation2018@gmail.com, Website : www.rnt.in

Discipline: Mechanical Testing
Test Report No: 2510297005-1
Sample ID: DFO/251029/Dikrong

Group: Building Materials

1. Name of Test: **Specific Gravity**

Test Method: IS 2386-Part-III-1963
(Reaffirmed 2021)

Type of Sample : **Sand + Gravel**

Date of testing: 31-10-2025

Source: **Dikrong Sand & Gravel MPA**

Environmental Conditions during test:
Temperature : 27.1°C , Humidity: 68%

Sample No.: 1

Sl. No.	TEST RESULTS				
	Weight of Saturated Surface Dry Sample (gm)	Weight of Pycnometer containing Sample & filled with Distilled Water (gm)	Weight of Pycnometer filled with Water only (gm)	Weight of Oven Dried Sample (gm)	Specific Gravity [D/A-(B-C)]
	A	B	C	D	
1	500.0	2017.0	1706.5	496.5	2.62

Sample No.: 2

Sl. No.	TEST RESULTS				
	Weight of Saturated Surface Dry Sample (gm)	Weight of Pycnometer containing Sample & filled with Distilled Water (gm)	Weight of Pycnometer filled with Water only (gm)	Weight of Oven Dried Sample (gm)	Specific Gravity [D/A-(B-C)]
	A	B	C	D	
1	510.0	2022.0	1706.5	505.5	2.60

Sample No.: 3

Sl. No.	TEST RESULTS				
	Weight of Saturated Surface Dry Sample (gm)	Weight of Pycnometer containing Sample & filled with Distilled Water (gm)	Weight of Pycnometer filled with Water only (gm)	Weight of Oven Dried Sample (gm)	Specific Gravity [D/A-(B-C)]
	A	B	C	D	
1	500.5	2018.5	1706.5	496.0	2.63

Remarks : Calculations are As per IS:2386-Part -III -1963 Reaffirmed 2021 ,Clause No. 2.4.3, No limits Specified. Test Results are Satisfactory.

Authorised Signatory
Page: 2 of 2



RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House; Sun Polo colony, Dipar Boro Path
Ahomgaon, Garchuk, Guwahati-781035 (Assam)
Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896
E-mail: materialtesting@rflnt.in ; reliantfoundation2018@gmail.com, Website : www.rflnt.in

Discipline: Mechanical Testing

Group: Building Materials

Date of issue of Report: 01-11-2025

TEST REPORT	
1 Name of Client:	The Divisional Forest Officer, Lakhimpur Forest Division, North Lakhimpur
2 Name of project:	District Survey Report, Lakhimpur District
3 Type of sample:	Ordinary Clay/Silt
4 Condition of Sample:	Ok
5 Date of Sample Received:	29-10-2025
6 Source of Material:	Singra Ordinary Clay MPA
7 Test Sample Supplied by:	Customer
8 Test Done at :	" At the Laboratory located in the basement of our premises at the above mentioned address"

Test Results :Next Page

Page: 1 of 2



RELIANT FOUNDATIONS PVT. LTD

ISO 9001:2015 certified, Accredited by NABL

Reliant House; Sun Polo colony, Dipar Boro Path
Ahomgaon, Garchuk, Guwahati-781035 (Assam)
Ph: +91-9395005840 / +91-9365645035 / +91-7086020945 / +91-9435192896
E-mail: materialtesting@rflnt.in ; reliantfoundation2018@gmail.com, Website : www.rflnt.in

Discipline: Mechanical Testing
Test Report No: 2510294231-4
Sample ID: DFO/291025/DOC/01

Group: Building Materials

1. Name of Test: Specific Gravity

Test Method: IS 2386-Part-III-1963
(Reaffirmed 2021)

Type of Sample : Ordinary Clay/Silt

Date of testing: 01-11-2025

Source: Singra Ordinary Clay MPA

Environmental Conditions during test:

Temperature : 26.9°C , Humidity: 67%

TEST RESULTS					
Sl. No.	Weight of Saturated Surface Dry Sample (gm)	Weight of Pycnometer containing Sample & filled with Distilled Water (gm)	Weight of Pycnometer filled with Water only (gm)	Weight of Oven Dried Sample (gm)	Specific Gravity [D/A-(B-C)]
	A	B	C	D	
1	636.5	2103.0	1706.5	632.0	2.63

Remarks : Calculations are As per IS:2386-Part -III -1963 Reaffirmed 2021 ,Clause No. 2.4.3, No limits Specified.
Test Results are Satisfactory.



Page: 2 of 2

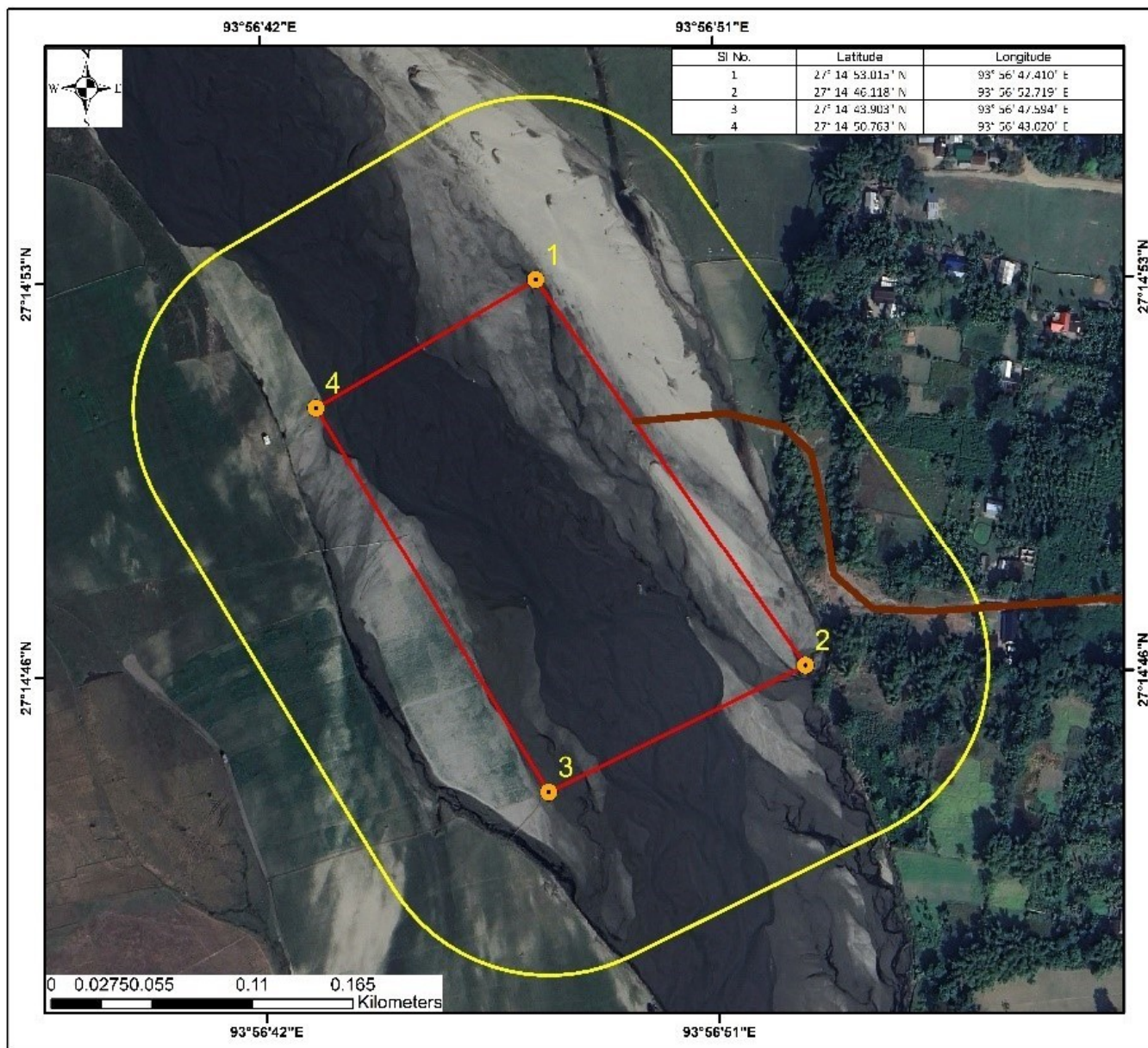
*In the DSR of Lakhimpur district, the area of Singra Sand & Gravel MCA has been incorrectly reported as 6.0 Ha. The actual area as per the GPS co-ordinates is 3.70 Ha. The above correction is hereby proposed.

District Survey Report

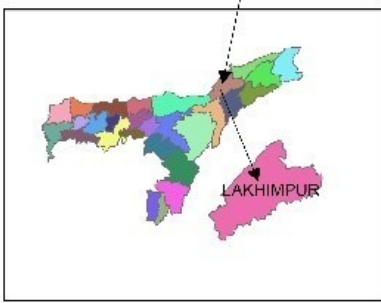
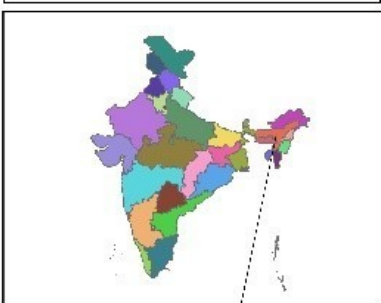
District: Lakhimpur, State: Assam

Table 13.21: Details and Status of Individual Mining Permit/ Contract Areas of Singra River

Sl No.	Name	Name of Mineral	Area in Ha.	Mining Area in Ha.	Period (in Year)	Operational/ Non-operational	Coordinate	
							Latitude	Longitude
1	Singra Sand & Gravel MCA	Sand & Gravel	6.0	6.0	7	Non-operational	N27°14'53.015"	E93°58'47.410"
							N27°14'46.118"	E93°58'52.719"
							N27°14'43.903"	E93°58'47.594"
							N27°14'50.763"	E93°58'43.020"
2	Dolohat Singra MPA	Ordinary Clay/ Silt	3.8	3.8	2	Non-operational	N27°10.816'	E93°59.089'
							N27°10.787'	E93°59.128'
							N27°10.739'	E93°59.028'
							N27°10.706'	E93°59.069'







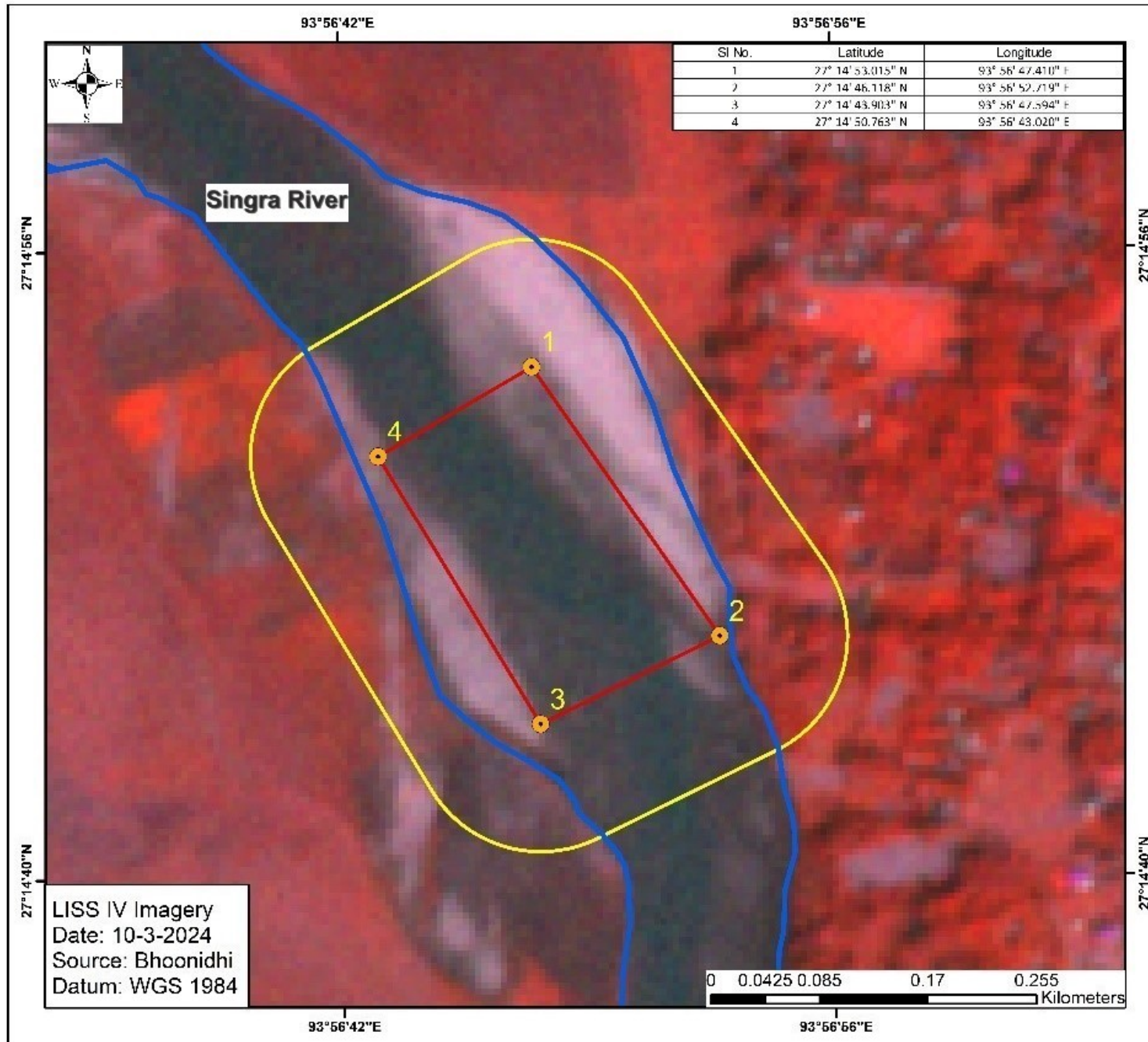
100 MTR BUFFER BOUNDARY MAP



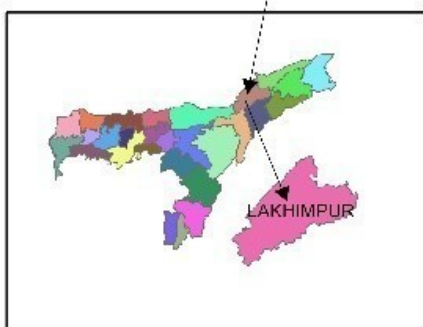
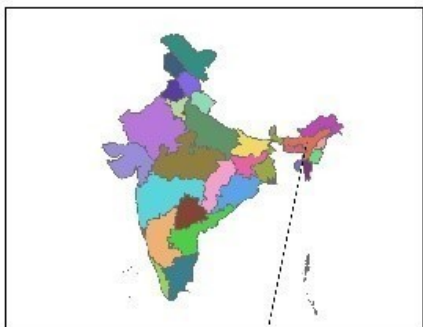
Singra Sand & Gravel MCA
 District: Lakhimpur, Assam
 (Area Allotted: 3.70ha)

LEGEND

-  GPS Coordinates
-  Extraction Path
-  Project Site
-  Buffer Boundary 100 mtr



100 MTR BUFFER BOUNDARY MAP



Singra Sand & Gravel MCA
District: Lakhimpur, Assam

(Area Allotted: 3.70 ha)

LEGEND

- GPS Coordinates
- River
- Project Site
- Buffer Boundary 100 mtr

Mineral reserve as per rectified area

SI No.	Name of Mining Area	River	Mineable Area (in Ha.)	Area (in Sq.M)	Depth (m)	Volume (Area * Depth *) (in CuM)	Permissible Quantity i.e. 60% (in CuM)
1	Singra Sand & Gravel MCA	Singra	3.70	37000	1	37000	22200