

Bansbarwa No.1

SANTAL PARAGANAS.

सब डिवीजन दुमका

सरकारी सर्किल

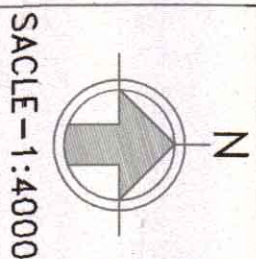
मस्रहुर नाम

गुहियाजीगी

तासदा मोट १

मोट नः १

स्केल १ ईंच = २ मील  
मान १ ईंच = २ मील



CLIENT



NUMALIGARH REFINERY LIMITED

(A Govt. of India Enterprise)

GUWAHATI-781005

PROJECT

ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY,  
ACQUISITION & OPENING OF ROU, LAND ACQUISITION FOR  
PARADIP TO NUMALIGARH CRUDE OIL PIPELINE

VILLAGE : Bansbarwa

STATE : JHARKHAND

Map Showing Compensatory Afforestation(CA) area  
at Village Bansbarwa of Dumka forest division.  
District- Dumka , State- Jharkhand.

Total 16.55 Hectare  
19.41 Hectare

कुसुमखान: ५२  
सरकारी सर्किलदुमका

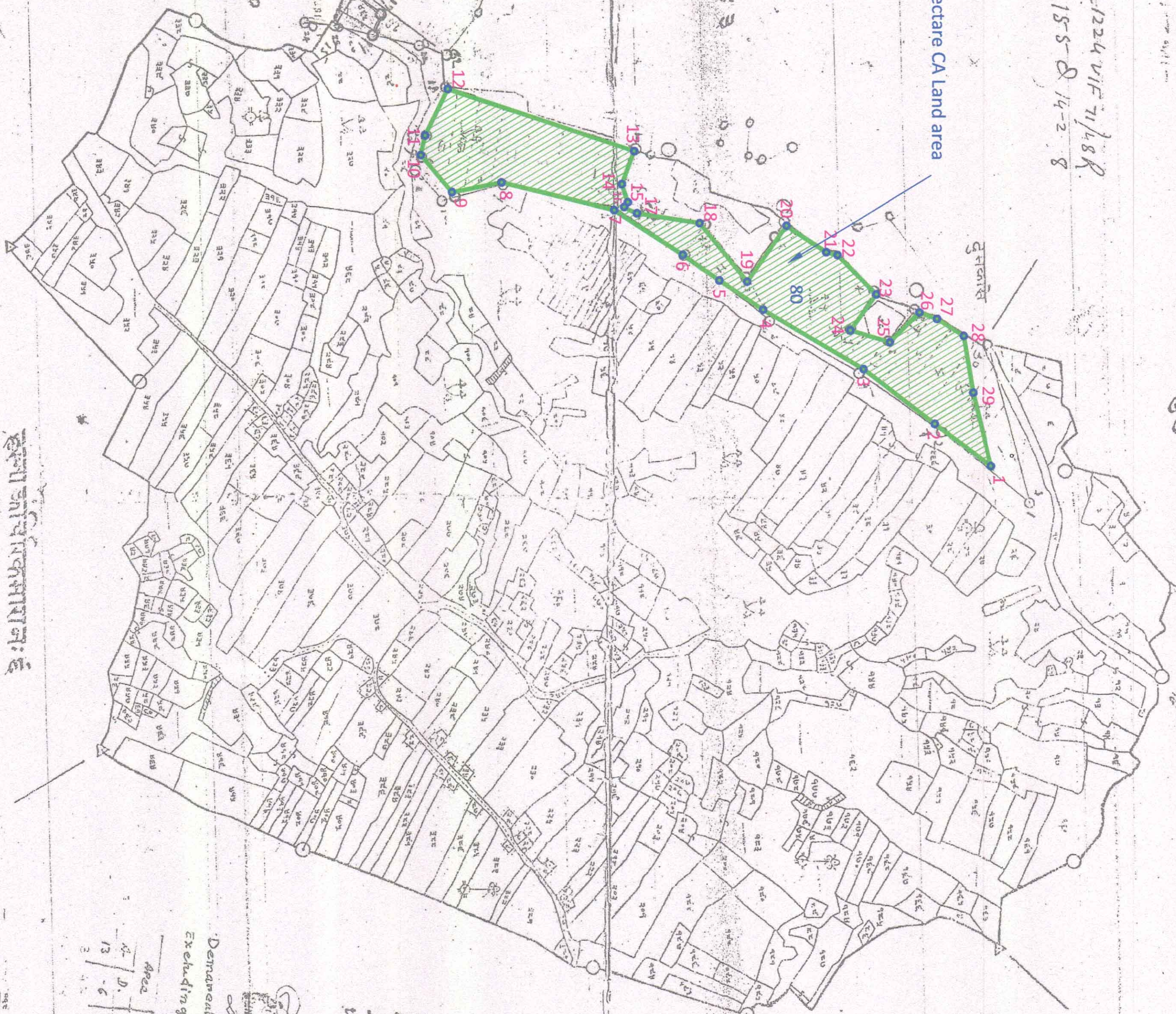
Proposed 5.78 hectare CA Land area

Area 16.55 Hectare  
19.41 Hectare

पाखर पाली नः ३

असना नः ५

खाना सर्किलकामाखान: ६



खाना सर्किलकामाखान: ६

Proposed 5.78 hectare CA Land  
Co-ordinates of Svy No. 80

| Sl.No. | Easting    | Northing    |
|--------|------------|-------------|
| 1      | 529008.96  | 2699237.33  |
| 2      | 528956.90  | 2699167.47  |
| 3      | 528888.95  | 2699078.87  |
| 4      | 528815.17  | 2698953.999 |
| 5      | 528778.93  | 2698899.72  |
| 6      | 528747.15  | 2698854.21  |
| 7      | 528691.52  | 2698769.18  |
| 8      | 528657.46  | 2698629.17  |
| 9      | 528669.33  | 2698567.35  |
| 10     | 528623.89  | 2698528.88  |
| 11     | 528599.63  | 2698534.24  |
| 12     | 528541.98  | 2698562.11  |
| 13     | 528618.76  | 2698793.83  |
| 14     | 528659.68  | 2698778.67  |
| 15     | 528681.82  | 2698786.05  |
| 16     | 528687.60  | 2698781.66  |
| 17     | 528695.42  | 2698797.38  |
| 18     | 528707.76  | 2698875.38  |
| 19     | 528780.505 | 2698934.29  |
| 20     | 528710.89  | 2698982.96  |
| 21     | 528743.86  | 2699032.61  |
| 22     | 528747.62  | 2699046.63  |
| 23     | 528796.30  | 2699094.69  |
| 24     | 528840.81  | 2699062.44  |
| 25     | 528855.83  | 2699111.58  |
| 26     | 528818.69  | 2699148.36  |
| 27     | 528826.69  | 2699170.28  |
| 28     | 528847.95  | 2699203.35  |
| 29     | 528918.13  | 2699215.13  |

Range Forest Officer  
Hate West Range, Dumka

Divisional Forest Officer  
Dumka Forest Division, Dumka

Savitri, I.F.S.  
Divisional Forest Officer,  
Dumka Forest Division, Dumka

Divisional Forest Officer,  
Dumka Forest Division, Dumka

Chief Manager (Project Pipeline)  
Numaligarh Refinery Ltd.  
Guwahati-781005

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Guwahati-781005

Chief Manager (Project Pipeline)  
Numaligarh Refinery Ltd.  
Guwahati-781005

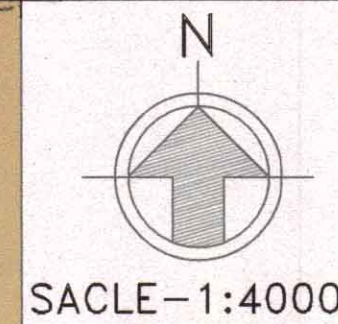


Baratanr No2

SANTAL PARGANAS.

सब डिवीजन दुमका  
सरदारी सर्किल गुहियाजोरी  
मशहूर नाम बाराटांइनः २  
तासदाद शीट १ शीट नः १

स्केल १ इंच = १ मील  
सन १९८७ वी १९८८ ई



CLIENT



NUMALIGARH REFINERY LIMITED  
(A Govt. of India Enterprise)  
GUWAHATI-781005

PROJECT

ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY,  
ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR  
PARADIP TO NUMALIGARH CRUDE OIL PIPELINE

VILLAGE : BARATANR

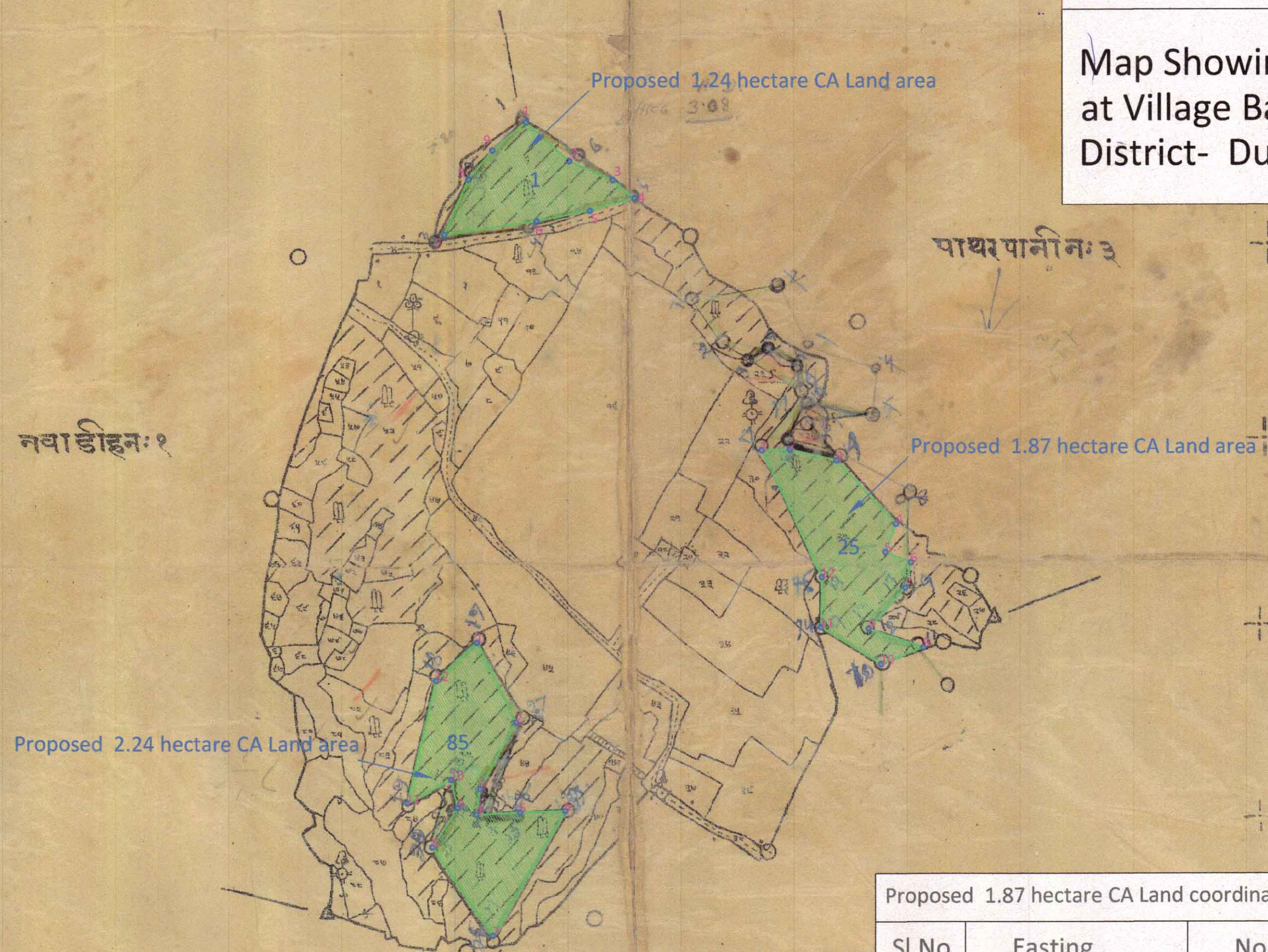
STATE : JHARKHAND

Map Showing Compensatory Afforestation(CA) area  
at Village Baratanr of Dumka forest division.  
District- Dumka , State- Jharkhand.

| Area Statement      |               |                 |
|---------------------|---------------|-----------------|
| Sl.No.              | Survey Number | Area in Hectare |
| 1                   | 25            | 1.87            |
| 2                   | 85            | 2.24            |
| 3                   | 1             | 1.24            |
| Total proposed area |               | 5.35            |

Proposed 2.24 hectare CA Land coordinates in Svy 85

| Sl.No. | Easting   | Northing   |
|--------|-----------|------------|
| 1      | 527662.28 | 2698318.53 |
| 2      | 527704.72 | 2698232.44 |
| 3      | 527665.50 | 2698160.58 |
| 4      | 527661.35 | 2698132.65 |
| 5      | 527708.73 | 2698134.97 |
| 6      | 527758.14 | 2698136.68 |
| 7      | 527679.27 | 2698001.19 |
| 8      | 527612.98 | 2698097.55 |
| 9      | 527641.02 | 2698140.09 |
| 10     | 527633.55 | 2698170.50 |
| 11     | 527585.94 | 2698145.32 |
| 12     | 527617.45 | 2698277.80 |



| SCHEDULE |              |              |
|----------|--------------|--------------|
| Plot No  | How recorded | Total No. of |
|          | 1st          | 2nd          |
| 1        | 3.06         | 32           |
| 25       | 5.95         |              |
| 85       | 5.55         |              |
| Total    | 14.56        | 32           |

Proposed 1.87 hectare CA Land coordinates Svy No.25

| Sl.No. | Easting   | Northing   |
|--------|-----------|------------|
| 1      | 527972.33 | 2698527.18 |
| 2      | 528003.22 | 2698528.02 |
| 3      | 528054.38 | 2698516.30 |
| 4      | 528118.79 | 2698447.50 |
| 5      | 528107.20 | 2698416.94 |
| 6      | 528135.45 | 2698405.86 |
| 7      | 528128.81 | 2698378.34 |
| 8      | 528089.08 | 2698333.69 |
| 9      | 528148.87 | 2698313.27 |
| 10     | 528102.49 | 2698295.49 |
| 11     | 528037.18 | 2698335.44 |
| 12     | 528038.22 | 2698389.89 |

Proposed 1.87 hectare CA Land coordinates Svy No.1

| Sl.No. | Easting   | Northing   |
|--------|-----------|------------|
| 1      | 527709.44 | 2698859.06 |
| 2      | 527756.22 | 2698817.08 |
| 3      | 527803.83 | 2698797.00 |
| 4      | 527827.49 | 2698777.53 |
| 5      | 527778.77 | 2698763.55 |
| 6      | 527720.75 | 2698752.17 |
| 7      | 527619.82 | 2698737.53 |
| 8      | 527646.73 | 2698797.25 |
| 9      | 527672.61 | 2698828.55 |

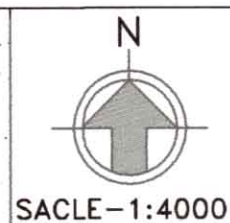
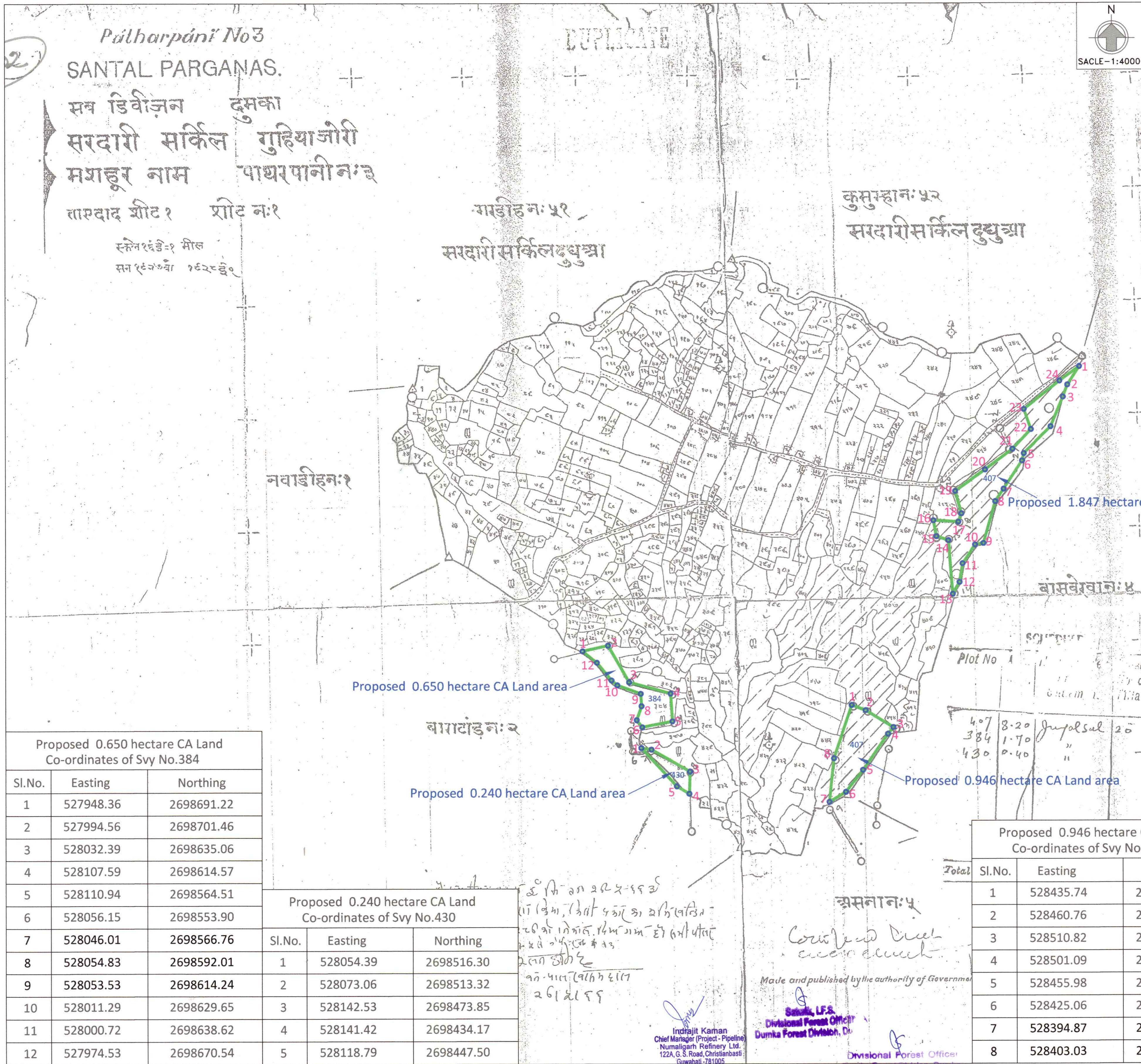
Indrajit Kaman  
Chief Manager (Project - Pipeline)  
Numaligarh Refinery Ltd  
122A, G. S. Road, Christian Basti  
Guwahati-781005

Range Forest Officer  
Hizia West Range, Dumka

Divisional Forest Officer  
Dumka Forest Division, Dumka

Satwik I.F.S.  
Divisional Forest Officer,  
Dumka Forest Division, Dumka





|                                                                                                                                           |                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CLIENT                                                                                                                                    |  <b>NUMALIGARH REFINERY LIMITED</b><br>(A Govt. of India Enterprise)<br>GUWAHATI-781005 |
| PROJECT                                                                                                                                   | ROUTE RE-VALIDATION, DETAILED ROUTE SURVEY,<br>ACQUISITION & OPENING OF RoU, LAND ACQUISITION FOR<br>PARADIP TO NUMALIGARH CRUDE OIL PIPELINE                              |
| VILLAGE : Patharpan STATE : JHARKHAND                                                                                                     |                                                                                                                                                                            |
| Map Showing Compensatory Afforestation(CA) area<br>at Village Patharpani of Dumka forest division.<br>District- Dumka , State- Jharkhand. |                                                                                                                                                                            |

| Area Statement      |            |              |              |
|---------------------|------------|--------------|--------------|
| Sl.No.              | Survey No. | Village Name | Area in Hec. |
| 4                   | 407        | Patharpani   | 2.793        |
| 5                   | 430        | Patharpani   | 0.24         |
| 6                   | 384        | Patharpani   | 0.65         |
| Total proposed area |            |              | 3.683        |

| Proposed 1.847 hectare CA Land<br>Co-ordinates of Svy No.407 |           |            |
|--------------------------------------------------------------|-----------|------------|
| Sl.No.                                                       | Easting   | Northing   |
| 1                                                            | 528847.99 | 2699203.36 |
| 2                                                            | 528826.60 | 2699170.20 |
| 3                                                            | 528818.65 | 2699148.37 |
| 4                                                            | 528796.25 | 2699094.76 |
| 5                                                            | 528747.55 | 2699046.70 |
| 6                                                            | 528744.16 | 2699033.50 |
| 7                                                            | 528710.93 | 2698982.66 |
| 8                                                            | 528695.87 | 2698960.35 |
| 9                                                            | 528674.47 | 2698885.18 |
| 10                                                           | 528659.41 | 2698882.49 |
| 11                                                           | 528636.52 | 2698848.88 |
| 12                                                           | 528631.09 | 2698815.36 |
| 13                                                           | 528618.70 | 2698793.94 |
| 14                                                           | 528610.84 | 2698890.61 |
| 15                                                           | 528589.19 | 2698897.75 |
| 16                                                           | 528583.97 | 2698926.48 |
| 17                                                           | 528629.05 | 2698923.84 |
| 18                                                           | 528634.52 | 2698938.91 |
| 19                                                           | 528623.13 | 2698979.05 |
| 20                                                           | 528677.52 | 2699017.42 |
| 21                                                           | 528727.01 | 2699054.48 |
| 22                                                           | 528760.39 | 2699089.92 |
| 23                                                           | 528908.92 | 2699126.03 |
| 24                                                           | 528812.40 | 2699177.26 |

| Proposed 0.946 hectare CA Land<br>Co-ordinates of Svy No.407 |           |            |
|--------------------------------------------------------------|-----------|------------|
| Sl.No.                                                       | Easting   | Northing   |
| 1                                                            | 528435.74 | 2698593.22 |
| 2                                                            | 528460.76 | 2698583.83 |
| 3                                                            | 528510.82 | 2698553.35 |
| 4                                                            | 528501.09 | 2698541.40 |
| 5                                                            | 528455.98 | 2698476.42 |
| 6                                                            | 528425.06 | 2698437.08 |
| 7                                                            | 528394.87 | 2698419.06 |
| 8                                                            | 528403.03 | 2698497.24 |

| Proposed 0.650 hectare CA Land<br>Co-ordinates of Svy No.384 |           |            |
|--------------------------------------------------------------|-----------|------------|
| Sl.No.                                                       | Easting   | Northing   |
| 1                                                            | 527948.36 | 2698691.22 |
| 2                                                            | 527994.56 | 2698701.46 |
| 3                                                            | 528032.39 | 2698635.06 |
| 4                                                            | 528107.59 | 2698614.57 |
| 5                                                            | 528110.94 | 2698564.51 |
| 6                                                            | 528056.15 | 2698553.90 |
| 7                                                            | 528046.01 | 2698566.76 |
| 8                                                            | 528054.83 | 2698592.01 |
| 9                                                            | 528053.53 | 2698614.24 |
| 10                                                           | 528011.29 | 2698629.65 |
| 11                                                           | 528000.72 | 2698638.62 |
| 12                                                           | 527974.53 | 2698670.54 |

| Proposed 0.240 hectare CA Land<br>Co-ordinates of Svy No.430 |           |            |
|--------------------------------------------------------------|-----------|------------|
| Sl.No.                                                       | Easting   | Northing   |
| 1                                                            | 528054.39 | 2698516.30 |
| 2                                                            | 528073.06 | 2698513.32 |
| 3                                                            | 528142.53 | 2698473.85 |
| 4                                                            | 528141.42 | 2698434.17 |
| 5                                                            | 528118.79 | 2698447.50 |