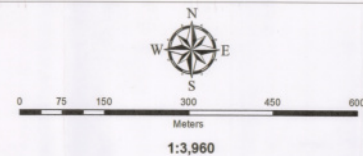


DGPS SURVEYED MAP SHOWING THE FOREST AREA TO BE DIVERTED WITHIN SUBHADRA OPEN CAST PROJECT IN VILLAGE KANKAREI(SHEET NO-1) OF M/S MAHANADI COAL FIELD LIMITED AT SUBHADRA AREA IN ANGUL DISTRICT.



**Legend**

|                                                                                                                            |                                             |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <span style="color: green;">●</span>                                                                                       | DGPS SURVEYED GEO-REF COORDINATES           |
| <span style="color: orange;">●</span>                                                                                      | DERIVED COORDINATES OF FOREST PILLAR POINTS |
| <span style="color: red;">●</span>                                                                                         | BOUNDARY PILLARS                            |
| <span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> | REVENUE FOREST PATCHES                      |
| <span style="border: 2px solid red; display: inline-block; width: 10px; height: 10px;"></span>                             | BOUNDARY                                    |

DGPS SURVEYED POINTS USED FOR GEO-REFERENCING

| SL NO | POINT ID | EASTING    | NORTHING    | LONGITUDE       | LATITUDE        |
|-------|----------|------------|-------------|-----------------|-----------------|
| 1     | BH-7.1   | 291880.481 | 2319471.129 | 84°59'53.75040" | 20°57'50.61491" |
| 2     | BH-8.1   | 291870.998 | 2319455.947 | 84°59'51.42341" | 20°57'50.46089" |
| 3     | BH-9.2   | 291924.249 | 2320389.41  | 84°59'54.87041" | 20°58'20.28941" |
| 4     | BH-10.1  | 291496.33  | 2320352.686 | 84°59'40.07290" | 20°58'19.11607" |
| 5     | CH-5.1   | 291419.536 | 2320484.62  | 84°59'37.35789" | 20°58'23.37432" |
| 6     | KU-1.1   | 292066.796 | 2320535.971 | 84°59'59.73821" | 20°58'25.30706" |

DERIVED FOREST PATCH BOUNDARY COORDINATES

| PILLAR ID | LONGITUDE       | LATITUDE        | EASTING    | NORTHING    |
|-----------|-----------------|-----------------|------------|-------------|
| 1         | 84°59'53.99410" | 20°57'51.88101" | 291887.813 | 2319484.603 |
| 2         | 84°59'53.93041" | 20°57'51.40980" | 291926.457 | 2319497.282 |
| 3         | 84°59'55.40651" | 20°57'51.19998" | 291930.106 | 2319488.383 |
| 4         | 84°59'54.89071" | 20°57'51.13430" | 291912.465 | 2319486.706 |
| 5         | 84°59'53.95299" | 20°57'51.18913" | 291886.551 | 2319488.716 |
| 6         | 84°59'54.89926" | 20°58'09.48890" | 291930.889 | 2320054.866 |
| 7         | 84°59'47.82628" | 20°58'09.51721" | 291702.167 | 2320054.817 |
| 8         | 84°59'47.28078" | 20°58'07.46134" | 291688.81  | 2319991.629 |
| 9         | 84°59'46.29127" | 20°58'07.18888" | 291671.571 | 2319981.565 |
| 10        | 84°59'46.56539" | 20°58'05.40888" | 291678.635 | 2319931.195 |
| 11        | 84°59'46.38036" | 20°58'05.37238" | 291679.245 | 2319927.679 |
| 12        | 84°59'46.12681" | 20°58'07.00336" | 291664.549 | 2319977.894 |
| 13        | 84°59'46.09836" | 20°58'07.46933" | 291608.13  | 2319993     |
| 14        | 84°59'44.16889" | 20°58'07.84772" | 291610.178 | 2319999.453 |
| 15        | 84°59'44.75303" | 20°58'07.52084" | 291627.062 | 2319994.347 |
| 16        | 84°59'37.14788" | 20°58'22.59680" | 291990.925 | 2320453.542 |
| 17        | 84°59'38.38814" | 20°58'22.58819" | 292026.606 | 2320452.837 |
| 18        | 84°59'37.98642" | 20°58'21.77934" | 292014.777 | 2320426.116 |
| 19        | 84°59'37.63748" | 20°58'20.62472" | 292004.39  | 2320394.235 |
| 20        | 84°59'37.67604" | 20°58'20.44381" | 292005.355 | 2320387.128 |
| 21        | 84°59'38.51281" | 20°58'19.11028" | 292029.015 | 2320345.823 |
| 22        | 85°00'00.02044" | 20°58'18.81361" | 292072.453 | 2320336.215 |
| 23        | 85°00'01.62401" | 20°58'18.27424" | 292118.568 | 2320318.986 |
| 24        | 85°00'01.89612" | 20°58'18.19073" | 292126.532 | 2320322.47  |
| 25        | 85°00'02.52995" | 20°58'18.06180" | 292138.677 | 2320312.197 |
| 26        | 85°00'03.39699" | 20°58'17.40206" | 292189.583 | 2320297.49  |
| 27        | 85°00'03.72783" | 20°58'17.12981" | 292178.903 | 2320283.028 |
| 28        | 85°00'02.88772" | 20°58'16.80087" | 292157.397 | 2320273.178 |
| 29        | 85°00'02.36411" | 20°58'16.47067" | 292139.332 | 2320266.999 |
| 30        | 85°00'02.17223" | 20°58'17.04072" | 292133.931 | 2320280.849 |
| 31        | 85°00'01.77477" | 20°58'17.22573" | 292122.521 | 2320288.683 |
| 32        | 85°00'01.54504" | 20°58'16.47873" | 292109.762 | 2320263.866 |
| 33        | 85°00'01.56288" | 20°58'15.21101" | 292116.303 | 2320226.787 |
| 34        | 85°00'02.26132" | 20°58'14.21785" | 292135.42  | 2320193.98  |
| 35        | 85°00'02.76843" | 20°58'14.25161" | 292150.083 | 2320194.851 |
| 36        | 85°00'03.29610" | 20°58'13.81988" | 292165.16  | 2320181.382 |
| 37        | 85°00'04.41613" | 20°58'13.99146" | 292187.851 | 2320187.802 |
| 38        | 85°00'04.12057" | 20°58'12.83847" | 292188.52  | 2320183.211 |
| 39        | 85°00'04.44408" | 20°58'11.82485" | 292168.707 | 2320123.048 |
| 40        | 85°00'01.18668" | 20°58'13.73352" | 292104.189 | 2320179.487 |
| 41        | 84°59'59.20981" | 20°58'15.54098" | 292047.661 | 2320235.793 |
| 42        | 84°59'58.84603" | 20°58'15.64891" | 292037.31  | 2320239.243 |
| 43        | 84°59'55.79823" | 20°58'17.46527" | 291949.943 | 2320296.145 |
| 44        | 84°59'54.19371" | 20°58'18.40084" | 291914.572 | 2320252.42  |
| 45        | 84°59'54.12968" | 20°58'15.16234" | 291902.578 | 2320243.931 |

FOREST AREA STATISTICS

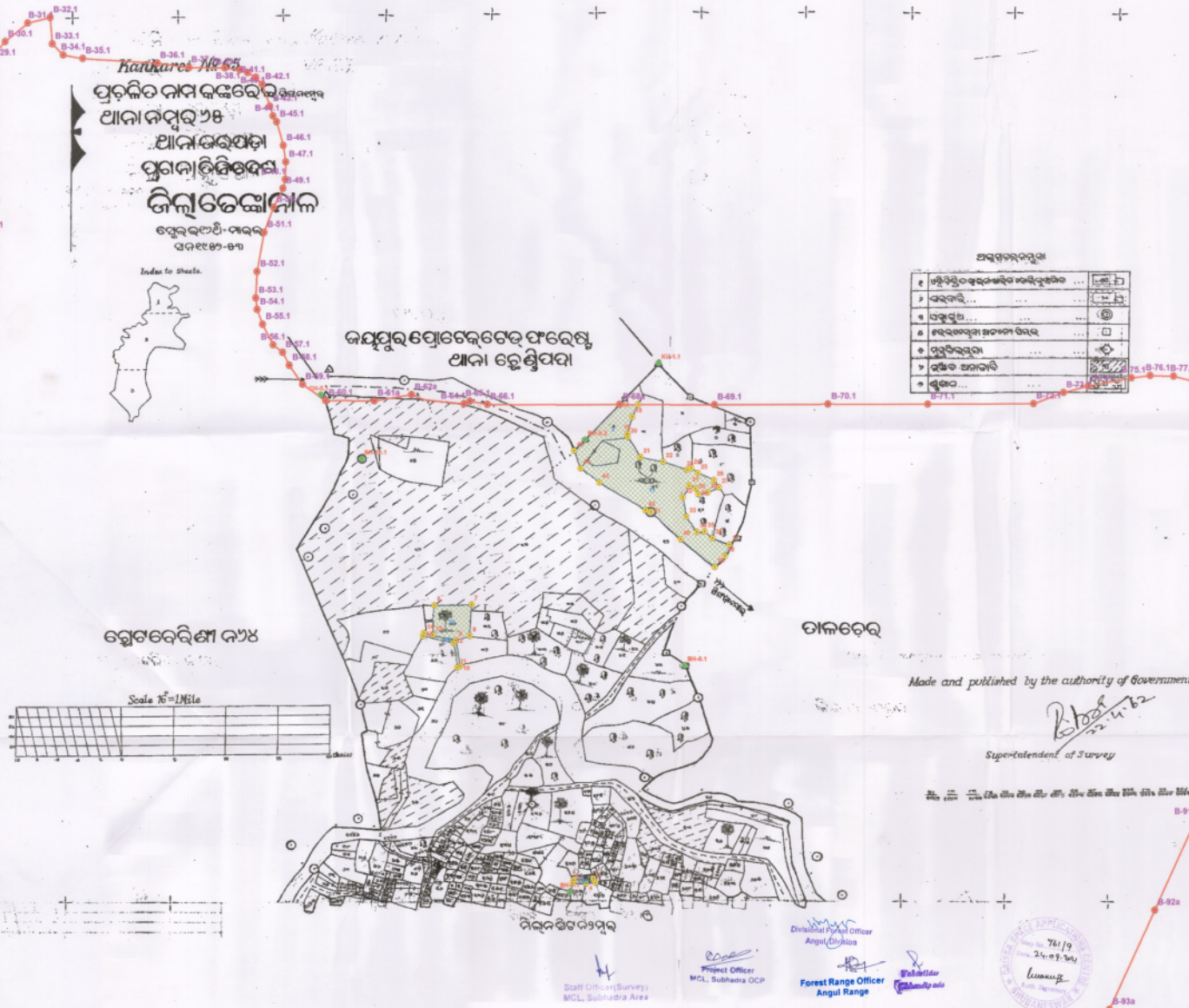
| SL NO | VILLAGE  | NM | PLOT NO | KISSAM | ALLO AR AC | ALLO AR HA | MAP AR HA |
|-------|----------|----|---------|--------|------------|------------|-----------|
| 1     |          |    | 2       | JUNGLE | 2.28       | 0.8418     | 2.7794    |
| 2     |          |    | 11      | JUNGLE | 6.15       | 2.4089     | 2.4139    |
| 3     | KANKAREI |    | 28      | JUNGLE | 0.16       | 0.0648     | 0.0677    |
| 4     |          |    | 30      | JUNGLE | 1.17       | 0.4775     | 0.4778    |
| 5     |          |    | 165     | JUNGLE | 0.1        | 0.0409     | 0.0345    |
|       |          |    | TOTAL   |        | 9.66       | 3.9095     | 3.7913    |

SURVEYED & PREPARED BY

*[Signature]*



AREAL CONSTRUCTIONS & GEO-INDIA SERVICES  
BHUBANESWAR



Divisional Forest Officer  
Angul Division

Project Officer  
MCL, Subhadra OCP

Forest Range Officer  
Angul Range

Sub-Officer  
[Signature]



Staff Officer (Survey)  
MCL, Subhadra Area