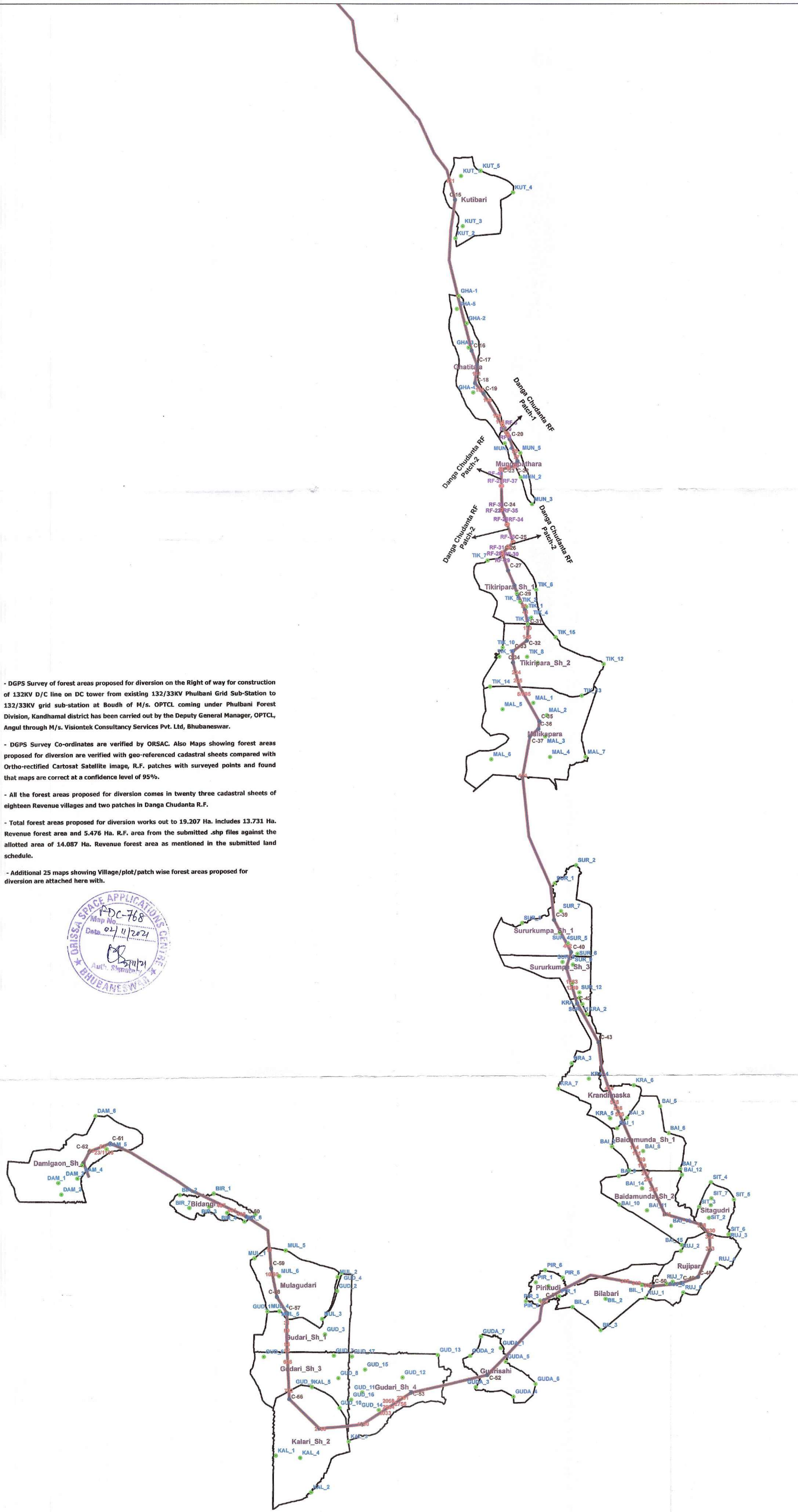


INDEX MAP SHOWING FOREST AREA PROPOSED TO BE DIVERTED FOR CONSTRUCTION OF 132 KV DC LINE ON DC TOWER FROM EXISTING 132/33 KV PHULBANI GRID SUB STATION TO 132/33 KV GRID SUB STATION AT BOUDH IN PHULBANI DISTRICT UNDER PHULBANI FOREST DIVISION.



- DGPS Survey of forest areas proposed for diversion on the Right of way for construction of 132KV D/C line on DC tower from existing 132/33KV Phulbani Grid Sub-Station to 132/33KV grid sub-station at Boudh of M/s. OPTCL coming under Phulbani Forest Division, Kandhamal district has been carried out by the Deputy General Manager, OPTCL, Angul through M/s. Visiotech Consultancy Services Pvt. Ltd, Bhubaneswar.

- DGPS Survey Co-ordinates are verified by ORSAC. Also Maps showing forest areas proposed for diversion are verified with geo-referenced cadastral sheets compared with Ortho-rectified Cartosat Satellite image, R.F. patches with surveyed points and found that maps are correct at a confidence level of 95%.

- All the forest areas proposed for diversion comes in twenty three cadastral sheets of eighteen Revenue villages and two patches in Danga Chudanta R.F.

- Total forest area proposed for diversion works out to 19.207 Ha. Includes 13.731 Ha. Revenue forest area and 5.476 Ha. R.F. area from the submitted .shp files against the allotted area of 14.087 Ha. Revenue forest area as mentioned in the submitted land schedule.

- Additional 25 maps showing Village/plot/patch wise forest areas proposed for diversion are attached here with.



| DGPS SURVEYED CO-ORDINATES OF GEO REFERENCING POINTS |          |            |             |                     |
|------------------------------------------------------|----------|------------|-------------|---------------------|
| S. No.                                               | Point Id | Easting    | Northing    | Latitude            |
| 1                                                    | BAI_1    | 219444.831 | 2269050.416 | 20° 29' 57.72559" N |
| 2                                                    | BAI_2    | 219351.787 | 2268718.010 | 20° 29' 46.87458" N |
| 3                                                    | BAI_3    | 219624.776 | 2269236.293 | 20° 30' 03.86167" N |
| 4                                                    | BAI_4    | 219664.945 | 2268281.712 | 20° 29' 32.86474" N |
| 5                                                    | BAI_5    | 220229.187 | 2269446.976 | 20° 30' 10.95761" N |
| 6                                                    | BAI_6    | 220387.061 | 2269555.965 | 20° 30' 55.15947" N |
| 7                                                    | BAI_7    | 220604.783 | 2268306.892 | 20° 29' 34.18388" N |
| 8                                                    | BAI_8    | 219318.060 | 2268631.833 | 20° 29' 44.37678" N |
| 9                                                    | BAI_9    | 219472.370 | 2268178.144 | 20° 29' 29.39650" N |
| 10                                                   | BAI_10   | 219481.022 | 2267660.002 | 20° 29' 12.56449" N |
| 11                                                   | BAI_11   | 219883.343 | 2267535.059 | 20° 29' 09.35754" N |
| 12                                                   | BAI_12   | 220635.356 | 2268196.459 | 20° 29' 30.81177" N |
| 13                                                   | BAI_13   | 220430.818 | 2267268.325 | 20° 29' 00.34365" N |
| 14                                                   | BAI_14   | 219897.164 | 2267953.102 | 20° 29' 23.10747" N |
| 15                                                   | BAI_15   | 220629.313 | 2268017.697 | 20° 28' 49.05578" N |
| 16                                                   | BAI_16   | 219882.737 | 2266194.397 | 20° 28' 25.15497" N |
| 17                                                   | BAI_17   | 219219.787 | 2265947.999 | 20° 28' 16.79465" N |
| 18                                                   | BAI_18   | 219126.571 | 2265381.550 | 20° 27' 58.37879" N |
| 19                                                   | BAI_19   | 218613.573 | 2265802.355 | 20° 28' 11.73790" N |
| 20                                                   | BAI_20   | 212069.201 | 2267901.912 | 20° 29' 16.41317" N |
| 21                                                   | BAI_21   | 211452.384 | 2267879.481 | 20° 29' 15.34576" N |
| 22                                                   | BAI_22   | 211983.258 | 2267667.703 | 20° 29' 08.75605" N |
| 23                                                   | BAI_23   | 212310.705 | 2267549.876 | 20° 29' 05.10703" N |
| 24                                                   | BAI_24   | 212825.526 | 2267530.583 | 20° 29' 04.07117" N |
| 25                                                   | BAI_25   | 212625.448 | 2267790.819 | 20° 29' 00.11120" N |
| 26                                                   | BAI_26   | 211624.820 | 2267646.922 | 20° 29' 07.88412" N |
| 27                                                   | DAM_1    | 209239.336 | 2268116.687 | 20° 29' 21.83228" N |
| 28                                                   | DAM_2    | 209292.401 | 2267905.791 | 20° 29' 15.00925" N |
| 29                                                   | DAM_3    | 209587.367 | 2268193.440 | 20° 29' 24.51993" N |
| 30                                                   | DAM_4    | 209675.679 | 2268433.508 | 20° 29' 34.52377" N |
| 31                                                   | DAM_5    | 210121.016 | 2268721.493 | 20° 29' 12.80395" N |
| 32                                                   | DAM_6    | 209921.260 | 2268926.336 | 20° 30' 01.51161" N |
| 33                                                   | GHA-1    | 216603.395 | 2284173.177 | 20° 38' 07.58539" N |
| 34                                                   | GHA-2    | 216745.126 | 2283674.603 | 20° 37' 51.46234" N |
| 35                                                   | GHA-3    | 216783.196 | 2283234.909 | 20° 37' 37.19608" N |
| 36                                                   | GHA-4    | 216865.508 | 2282425.484 | 20° 37' 10.94017" N |
| 37                                                   | GHA-5    | 216565.904 | 2283681.828 | 20° 37' 48.90075" N |
| 38                                                   | GUD_1    | 213034.295 | 2265757.046 | 20° 28' 07.24916" N |
| 39                                                   | GUD_2    | 214312.738 | 2266117.172 | 20° 28' 19.64712" N |
| 40                                                   | GUD_3    | 214086.064 | 2265332.539 | 20° 27' 54.02880" N |
| 41                                                   | GUD_4    | 214402.649 | 2266440.657 | 20° 28' 30.20698" N |
| 42                                                   | GUD_5    | 212599.238 | 2264934.937 | 20° 27' 40.49567" N |
| 43                                                   | GUD_6    | 214246.412 | 2265349.407 | 20° 27' 48.15380" N |
| 44                                                   | GUD_7    | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 45                                                   | GUD_8    | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 46                                                   | GUD_9    | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 47                                                   | GUD_10   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 48                                                   | GUD_11   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 49                                                   | GUD_12   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 50                                                   | GUD_13   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 51                                                   | GUD_14   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 52                                                   | GUD_15   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 53                                                   | GUD_16   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 54                                                   | GUD_17   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 55                                                   | GUD_18   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 56                                                   | GUD_19   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 57                                                   | GUD_20   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 58                                                   | GUD_21   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 59                                                   | GUD_22   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 60                                                   | GUD_23   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 61                                                   | GUD_24   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 62                                                   | GUD_25   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 63                                                   | GUD_26   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 64                                                   | GUD_27   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 65                                                   | GUD_28   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 66                                                   | GUD_29   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 67                                                   | GUD_30   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 68                                                   | GUD_31   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 69                                                   | GUD_32   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 70                                                   | GUD_33   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 71                                                   | GUD_34   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 72                                                   | GUD_35   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 73                                                   | GUD_36   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 74                                                   | GUD_37   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 75                                                   | GUD_38   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 76                                                   | GUD_39   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 77                                                   | GUD_40   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 78                                                   | GUD_41   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 79                                                   | GUD_42   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 80                                                   | GUD_43   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 81                                                   | GUD_44   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 82                                                   | GUD_45   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 83                                                   | GUD_46   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 84                                                   | GUD_47   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 85                                                   | GUD_48   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 86                                                   | GUD_49   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 87                                                   | GUD_50   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 88                                                   | GUD_51   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 89                                                   | GUD_52   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 90                                                   | GUD_53   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 91                                                   | GUD_54   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 92                                                   | GUD_55   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 93                                                   | GUD_56   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 94                                                   | GUD_57   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 95                                                   | GUD_58   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 96                                                   | GUD_59   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 97                                                   | GUD_60   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 98                                                   | GUD_61   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 99                                                   | GUD_62   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 100                                                  | GUD_63   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 101                                                  | GUD_64   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 102                                                  | GUD_65   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 103                                                  | GUD_66   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 104                                                  | GUD_67   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 105                                                  | GUD_68   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 106                                                  | GUD_69   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 107                                                  | GUD_70   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 108                                                  | GUD_71   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 109                                                  | GUD_72   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 110                                                  | GUD_73   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 111                                                  | GUD_74   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 112                                                  | GUD_75   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 113                                                  | GUD_76   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 114                                                  | GUD_77   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 115                                                  | GUD_78   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 116                                                  | GUD_79   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 117                                                  | GUD_80   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 118                                                  | GUD_81   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 119                                                  | GUD_82   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 120                                                  | GUD_83   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 121                                                  | GUD_84   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 122                                                  | GUD_85   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 123                                                  | GUD_86   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 124                                                  | GUD_87   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 125                                                  | GUD_88   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 126                                                  | GUD_89   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 127                                                  | GUD_90   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 128                                                  | GUD_91   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 129                                                  | GUD_92   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 130                                                  | GUD_93   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 131                                                  | GUD_94   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 132                                                  | GUD_95   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 133                                                  | GUD_96   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 134                                                  | GUD_97   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 135                                                  | GUD_98   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 136                                                  | GUD_99   | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 137                                                  | GUD_100  | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 138                                                  | GUD_101  | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 139                                                  | GUD_102  | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 140                                                  | GUD_103  | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 141                                                  | GUD_104  | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 142                                                  | GUD_105  | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 143                                                  | GUD_106  | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |
| 144                                                  | GUD_107  | 214326.355 | 2264536.285 | 20° 27' 28.26375" N |

| AREA STATISTICS OF FOREST PLOTS |                 |         |           |           |
|---------------------------------|-----------------|---------|-----------|-----------|
| S. No.                          | Village Name    | Plot No | Res. Area | Map. Area |
| 1                               | Baldamunda_Sh_1 | 135     | 0.003     | 0.003     |
| 2                               | Baldamunda_Sh_1 | 136     | 0.147     | 0.145     |
| 3                               | Baldamunda_Sh_1 | 137     | 0.036     | 0.038     |
| 4                               | Baldamunda_Sh_1 | 138     | 0.334     | 0.332     |
| 5                               | Baldamunda_Sh_1 | 139     | 0.104     | 0.103     |
| 6                               | Baldamunda_Sh_1 | 178     | 0.168     | 0.161     |
| 7                               | Baldamunda_Sh_1 | 151     | 0.011     | 0.005     |
| 8                               | Baldamunda_Sh_2 | 248     | 0.058     | 0.057     |
| 9                               | Baldamunda_Sh_2 | 237     | 0.163     | 0.163     |
| 10                              | Baldamunda_Sh_2 | 241     | 0.055     | 0.056     |
| 11                              | Baldamunda_Sh_2 | 240     | 0.029     | 0.027     |
| 12                              | Baldamunda_Sh_2 | 294     | 0.004     | 0.029     |
| 13                              | Baldamunda_Sh_2 | 305     | 0.275     | 0.287     |
| 14                              | Baldamunda_Sh_2 | 312     | 0.055     | 0.054     |
| 15                              | Baldamunda_Sh_2 | 335     | 0.126     | 0.124     |