

Title of Project:

DGPS Survey using High Resolution Satellite Image for Mining Block, Coal Block, Reservoirs, Canal CA Land, and Transport Network

Name of Principal Investigator	Mr. M. K Beg
Scientific Team	Mr. Amit Prakash Multaniya, Project Scientist Mr. Harish Kumar Sinha (Resigned), Research Associate Mr. Hemant Dansena, Research Associate-1 Mr. Kamal Kishor Sahu, Senior Research Fellow
Name of Funding Agency	Different Government and Private Agencies
Tenure of Project	October, 2014 to continue (Perpetual)

Summary of Project:

As per IBM Circular No. 2/2010 dated 06-04-2010 and the guidelines of Ministry of Environment & Forest Conservation Act, for precise boundary demarcation, DGPS survey is being carried out for Mineral Block, Coal Blocks, Water Resources and Forest Boundary Demarcation located in various Dist. of Chhattisgarh. Project has been funded by various State Government Departments like DGM / CMDC / CSPGCL / WRD / CGTB / Home Dept. Major activity of the Project are:

- Satellite Data Acquisition and Photogrammetric Processing
- Establishment of Ground Control Network by DGPS Survey
- Boundary Demarcation by DGPS Survey
- Post Processing of DGPS data
- Collection of land records related data and generation of Land Schedule Map in GIS environment
- Final Report generation

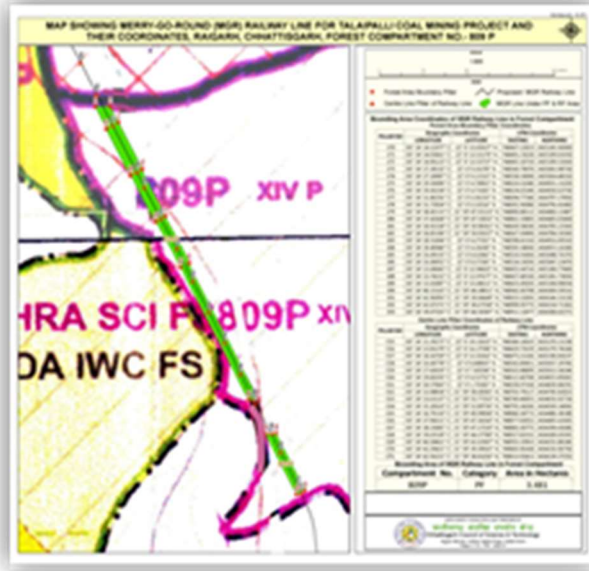
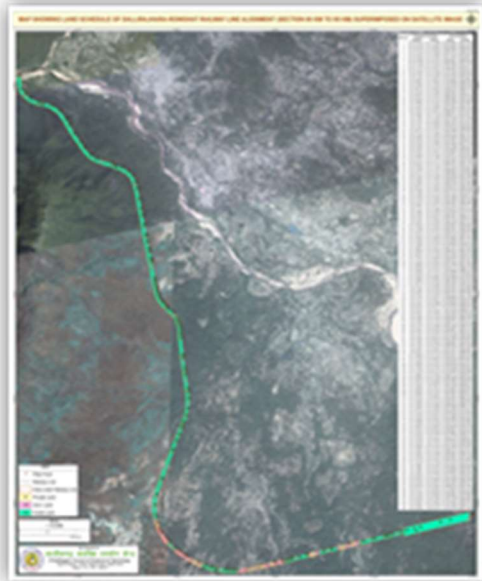
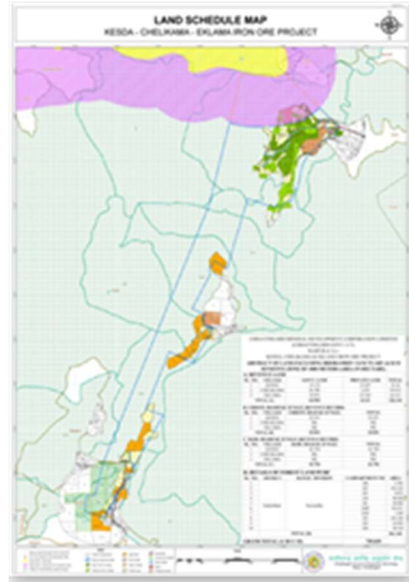
Since 2014, total 66 DGPS Projects have been successfully completed:

1. Udela Quartz Mine, Block-Basna, Dist. -Mahasamund (C.G)
2. Panchmukhi Limestone Mine, Bitkuli, Block-Simga, Dist.-Balodabazar (C.G)
3. Monnet Ispat, Hahaladi Iron Ore Mine, Block - Bhanupratappur, Dist. - Kanker (C.G)
4. CMDC, Aridongri Iron Ore Mine, Kachche, Block -Bhanupratappur, Dist. -Kanker (C.G)
5. V.C. Chopda, Nandani- Khundani Limestone Mine, Teh. - Ahiwara, Dist.- Durg (C.G)
6. Tourism Dept, Boundary Demarcation of Kodar Dam, Dist.- Mahasmund (C.G)
7. Tourism Dept, Boundary Demarcation of Gangrail Dam, Dist.- Dhmtari (C.G)
8. Mine Boundary Demarcation of Century Cement, Teh.-Tilda, Dist. - Raipur (C.G)
9. Chandi Limestone Mine, Block - Berla, Dist - Bemetara (C.G)
10. Lalmati Singh, Sahgaon Limestone Mine, Teh.-Tilda, Dist.- Raipur (C.G)
11. Sahgaon Limestone Mine, Teh. Tilda, Dist. - Raipur (C.G)
12. Medesara Limestone Mine, Dist. – Durg (C.G)
13. DGM, Magsa-Pauni-Khauna Limestone Prospecting Block, Teh.- Tilda, Dist. – Raipur (C.G)
14. DGM, Karhi-Chandi Limestone Prospecting Block, Teh. - Simga, Dist. – Balodabazar (C.G)
15. DGM, Keshla Limestone Prospecting Block, Teh.- Tilda, Dist. - Raipur (C.G)
16. DGM, Mohra Limestone Prospecting Block, Teh.- Simga, Dist.- Balodabazar (C.G)
17. CMDC, Kawardha Iron Ore Prospecting Block, Dist - Kawardha (C.G)
18. CMDC, Murtadand Prospecting Block of Bauxite, Teh.- Ambikapur, Dist.-Surguja (C.G)

19. WRD, Paserkhet Canal alignment, Dist - Korba (C.G)
20. WRD, Dhvannala Dam area demarcation, Dist - Korba (C.G)
21. WRD, Korkoma Dam area demarcation, Dist - Korba (C.G)
22. WRD, Rampur Dam area demarcation, Dist - Korba (C.G)
23. WRD, Bhalpahari Dam area demarcation, Dist - Korba (C.G)
24. WRD, FRL marking of Sondur Dam, Nagari, Kanker (C.G)
25. WRD, FRL marking of Devgaon Tank, Narayanpur (C.G)
26. WRD, Futhamuda canal alignment survey, Dist. - Dhamtari (C.G)
27. CMDC, Kerwa Coal Block, Dist.- Korba (C.G)
28. CSPGCL, Gare Pelma sector-3 Coal Block Teh.- Ghrghoda, Dist.- Raigarh (C.G)
29. NTPC Talaipalli coal mining Project, Teh.- Ghrghoda, Dist.- Raigarh (C.G)
30. NTPC MGR Rail line Project, Teh.- Ghrghoda, Dist.- Raigarh (C.G)
31. DGM, Sapnadar Prospecting Block of Bauxite, Teh. - Ambikapur, Dist. - Surguja (C.G)
32. DGM, Kandraja Prospecting Block of Bauxite, Teh. - Ambikapur, Dist. - Surguja (C.G)
33. CA land survey against of Aridongari Iron Ore Block at Dist.- Raigarh (C.G)
34. CA land survey aginst of aridongari Iron Ore Block at Dist. - Kanker (C.G)
35. CSPGCL, Gidhmuri Paturiya Coal Block, Dist. - Korba (C.G)
36. DGM, Kesla-II Prospecting Block of Limestone, Teh. - Tilda, Dist. - Raipur (C.G)
37. APMDC, Madanpur South Coal Block, Dist. - Korba (C.G)
38. APMDC, Suliyar South Coal Block, Dist. - Singrauli (M.P)
39. DGM, Guma Lime Stone Block, Dist. - Balodbazar (C.G)
40. PWD, CA in Jashpur Dist. for Forest clearance of National Highway No. 78, Tehsil - Pathalgaon, Dist.- Jashpur (C.G)
41. Home Dept, CA Land for plantation against construction of sub jail forest division - Kondagaon & forest rang- Makdi 330P Village- Bagbeda, Block- Baderajpur, Dist.- Kondagaon (C.G)
42. NTPC, Forest Land for MGR Rail line Dist.-Raigarh
43. Boundary demarcation for Chhattisgarh Council of Science and Technology, Raipur (C.G)
44. Naya Raipur Nazul survey rork, Raipur (C.G)
45. NTPC, Forest Land 10.081 Ha for MGR Rail line, Dist. - Raigarh (C.G)
46. DGM, Pakhritola North Bauxite Block ,Block - Bagicha, Dist. - Jashpur (C.G)
47. DGM, Pakhritola South Bauxite Block ,Teh - Bagicha, Dist. - Jashpur (C.G)
48. DGM, Salgi Bauxite Block, Teh-Bodla, Dist. - Kabirdham (C.G)
49. APMDC, CA Land in Korba Dist. for Forest clearance of Madanpur South Coal Block, Dist. - Korba (C.G)
50. IGKV, CA Land of 20.Ha for Agriculture Science Centre, Dist. - Kondagaon (C.G)
51. DGM, Resurvey of Pakhratoli North and South Prospecting Block of Bauxite, Teh. - Bagicha, Dist.- Jashpur, (C.G)
52. Home Dept, CA Land Demarcation for Sub-Jail, Dist. - Kondagaon (C.G)
53. NTPC, MGR Phase-II Forest Land Demarcation TLCMP, Block Gharghda, Dist. - Raigarh (C.G)
54. Revanue Dept., Land Demarcation Under Possession of BALCO, Dist. - Korba (C.G)
55. DGM, Mohra Prospecting Block of Limestone, Teh. – Palari, Simga, Dist. – Balodabazar, Bhatapar (C.G)
56. DGM, Parsabhader Prospecting Block of Limestone, Tehsil - Balodabazar, Dist.- Balodabazar, Bhatapara, (C.G)
57. Forest Dept, DGPS Survey Using High Resolution Satellite Image for Rawghat Rail Line Alignment and Forest Area Demarcation, Dist. - Narayanpur & Kanker, (C.G)
58. NTPC, DGPS Survey Using High Resolution Satellite Image for CA Land of 29.Ha for against of mgr rail

line, NTPC, Dist. - Raigarh (C.G)

- 59. CSPGCL, Approach Road Survey for Coal Transportation, Block-Gharghoda, Dist. - Raigarh (C.G)
- 60. DGM, Kathiya Pachari Limestone Block, Teh.-Tilda, Dist.-Raipur
- 61. PWD,CA Land Demarcation and Court Building DGPS Survey Work for Pwd, Dist. - Surajpur (C.G)
- 62. DGM, Laldhurwa-Jognipali Limestone Block, Dist. - Raigarh (C.G)
- 63. PWD, Matringa Approach Road to Pendrakhi Village Road Alignment Survey Work for Pwd at Dist.-Surguja (C.G)



DGPS Survey for Mining Block