**Title of Project:**
DGPS Survey using High Resolution Satellite Image for Mining Block, Coal Block, Reservoirs, Canal CA Land, and Transport Network

<table>
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<tr>
<th>Name of Principal Investigator</th>
<th>Mr. M. K Beg</th>
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| Scientific Team               | Mr. Amit Prakash Multaniya  
Mr. Harish Kumar Sinha (Resigned)  
Mr. Hemant Dansena  
Mr. Kamal Kishor Sahu |
| 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)
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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)

64. DGM, Preparation of Land Schedule Map of Pathari Bauxite Block (C.G)

65. DGM, Preparation of Land Schedule Map of Ghotwani Lime Stone Block (C.G)

66. DGM, Preparation of Land Schedule Map of Dankesra Lime Stone Block (C.G)