

**GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
OFFICE OF THE CHIEF CONTROLLER OF MINES**

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CIRCULAR NO. 2/2010

Sub: Submission of Geo-referenced Cadastral Map.

As per the procedure in vogue, a Mining Lease map / Prospecting License map showing the area/areas with details on a cadastral map with the Khasra numbers / Survey Nos. for mining lease / prospecting license, granted by the state governments under Act and Rules made there-under, is a basic requirement which is enclosed alongwith the Mining Plan / Scheme of Mining / Progressive Mine Closure Plan and Scheme of Prospecting. The Mining Lease map/ Prospecting License map is a certified copy obtained from the state / district authorities which is essential for planning purpose in mining plan / Scheme of Mining etc.

In supersession to all the instructions issued on the subject, it is decided that:

1. The Mining Lease / Prospecting License boundary showing all Khasra numbers / Survey Nos. on a Cadastral Map (Khasra Plan) on original plan (not the photo copy) and duly certified by State Government on a scale of 1:3960 shall be submitted with Mining Plan / Scheme of Mining / Progressive Mine Closure Plan and Scheme of Prospecting by the Lessee / Applicant / Licensee.
2. The boundary pillars of each mine lease / prospecting license are to be fixed precisely. Each boundary pillars shall be surveyed using DGPS (at least 2 Hours observation) for its ground position by an agency recognized by the State Government).
3. The Geo-referenced mining lease / prospecting licenses map prepared using DGPS shall be superimposed on Geo-referenced vectorised cadastral map.
4. On integration, the Geo-referenced mining lease / prospecting licenses map shall duly matched with geo-referenced vectorised cadastral maps.
5. In case of forest areas, the boundary pillars shall be fixed on ground with reference to at least three permanent ground features in and around mining leases / prospecting licenses.
6. The geo-referenced mining leases / prospecting licenses map shall be superimposed on latest high-resolution satellite data (cloud-free) derived from merging of Cartosat-2 and LISS-IV (Scale 1:5,000) covering an area of 500 meters from the mining lease / applied area boundary.
7. The satellite data products are available from NRSC, Hyderabad. The superimposed output in the form of soft copy and hard copy should be submitted along with the Mining plan / Scheme of Mining / Progressive Mine Closure Plan and Scheme of Prospecting. The soft copy submission should be in the standard format and digitized maps should be in shape file, which can be imported in any GIS database.
8. The above maps will be base for preparation of all statutory as well as working plans of the mines.

This circular may be given wide publicity amongst RQPs / Mine Owners / Lessee's / Licensee's / Applicants for implementation. Further, this may be intimated to all the states.

(Ranjan Sahai)
Chief Controller of Mines In Charge