

VIGILANCE ALERT

No. : 02/2023

Date : 16.08.2023

Sub: Preventive Steps for Measurement & Maintenance of Stock

Coal stock measurement is governed by:

- i. Code for Uniform System of Maintenance, Control, Verification of Coal Stock and Measurement, Verification of Overburden Removal in All Mines of Coal India Limited (Revision 2020)
- ii. Office order issued by Director (Tech)/ CIL vide ref no: CIL/C1/Coal Stock/ 22-23/ 49 dated 13.02.2023
- iii. SOP for use of 3D TLS and ETS

During a recent coal stock inspection, conducted by the Vigilance team with survey officials from CMPDIL and the Operation Department at CCL HQ, various procedural lapses were identified in the maintenance and measurement of coal stock. These oversights have the potential to yield disparate results when coal stock is assessed by different teams.

Significant procedural lapses came to light during the Surprise Check. In order to address these shortcomings, the following steps shall be implemented:

1. Location plan and Contour plan of approved coal heaps

A location plan, accurately scaled at 1:4000, must be maintained. This plan should delineate grade-wise coal heaps, heap approval dates, and coal quantities within each heap as of the 31st of March in the preceding fiscal year etc.

Additionally, ensure the maintenance of individual contour plans for each heap. These plans, established at a scale of either 1:500 or 1:1000, should vividly depict the Original Ground Level (OGL) alongside contours spaced upto 2-meter intervals.

2. Reference Base Station

A predetermined reference base station must be established and employed as a pivotal reference point for the measurement team. This station should be diligently maintained.

A communication regarding this matter has been issued by the General Manager (Operation), CCL, Ranchi, under reference number GM(O)/ Survey/ Baseline Stn/2023-24/3180, dated July 31, 2023. It is imperative that the instructions outlined in this communication are adhered to meticulously and earnestly.

(Signature)

3. Loose and Compact Coal

In cases where a coal heap comprises a mix of loose and compact coal, the segregation process necessitates the separate measurement of the loose coal volume, employing tools like a measurement tape, ETS (Electronic Total Station), or a levelling instrument.

For heaps predominantly consisting of compact coal, they should be dozed and meticulously levelled to achieve a consistent and uniform shape.

Likewise, heaps primarily comprising loose coal should also be levelled to ensure a uniform shape.

4. Designated place for keeping and maintaining Grade wise coal stock at Sidings

Stocks categorized by grade must be meticulously segregated and positioned in distinct stacks, with corresponding approvals obtained. It is imperative to ensure that no overlap occurs between the different heaps.

To facilitate clear identification, sign boards pertaining to these arrangements should be prominently positioned along the siding platform.

5. Use of 3D TLS for measuring stock more than 25,000 te

3D TLS shall be used for measuring stock having coal more than 25000 te. Smaller coal heaps having stock less than 25000 te shall be measured by ETS.

6. Maintenance of production reporting shift wise in SAP

Accountal of production, dispatch, transfers and coal stock shall be maintained in SAP as per provisions of Yellow Book.

7. Security of Stock

The stocks must be adequately fenced, overseen by security personnel, and monitored through fully operational CCTV cameras.

8. Inspection of Stock

The stock must be inspected periodically by the higher officials of Area and Headquarter and an inspection register must be maintained.

(12-16/8/2023)
(Pankaj Kumar, IRTS)
Chief Vigilance Officer/CCL

Copy To:

1. Chairman cum Managing Director/CCL - For Kind Information
2. Director (T/OP)/(T/P&P) - For Kind Information and further necessary action
3. All Area General Managers - for necessary action
4. All Concerned - for necessary action