

INTER-OFFICE COMMUNICATION

DATE: April 22, 2026
TO: ALL CONCERN
FROM: MINE ENGINEERING DEPARTMENT- MINE STUDY SECTION
SUBJECT: 32 mm Button Bit -ROCKHOUND

I- PARAMETERS:

Particular: 32 mm button bit
Supplier: HEBEI GIMARPOL MACHINERY TECH. Co. Ltd.
Brand: ROCKHOUND
Bit Type: SPHERICAL
Flushing holes: 2 @ front & 3 @ sides
Number of Samples: 3 pieces
Evaluation Area: Luzon

II- DATA AND RESULTS

Sample number	Total Meters Drilled	No.of Drilled Holes	Ave. Depth (m)	Penetration Rate (m/sec)
1	320	181	1.77	0.008
2	306	182	1.68	0.010
3	281	170	1.65	0.007
average	302	178	1.70	0.008

III- SUMMARY:

Average Drilled holes	178
Average Meters Drilled	302



IV- CONCLUSION:

- The 32 mm ROCKHOUND spherical button bit supplied by HEBEI GIMARPOL MACHINERY TECH. Co. Ltd. demonstrated consistent penetration rates averaging 0.008 m/sec across the evaluation sites. Variability in rock hardness influenced drilling performance, but the bit maintained effective drilling up to the 300-meter mark.

V- REMARKS/RECOMMENDATION:

- All these samples were evaluated from April 13 to 2026.
- Rock hardness varies significantly every meter of advance.
- The evaluation conceded after surpassing the 300 drilled meterage.
- The performance is good; however, we kindly request a redesign of the bit to remove the front flushing hole. The presence of this hole tends to cause clogging of the tapered rod during drilling, particularly in soft or muddy ground conditions