



MINE INSPECTION REPORT

Survey Date: 05/03/2020

SURVEY DETAILS

Mine Location	Hyderabad, Telangana	Area	9.97 Acres
Mine ID	AS-Sy.No-XXX-XX-Madh-001	Lessee Name	XXXXXXXXXX
Mine Type	Aggregate Stone	Lease Date	XX/XX/20XX



SURVEY FINDINGS

Rs. 5,27,61,240

Estimated Total Royalty

Rs. 43,56,420 in 2020

9.20 Acres

Total Excavated Area

6% increase in 2020

8,79,355 m³

Total Excavated Volume

72,607 m³ in 2020

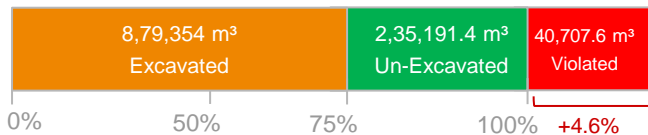
2.00 Acres

Violations

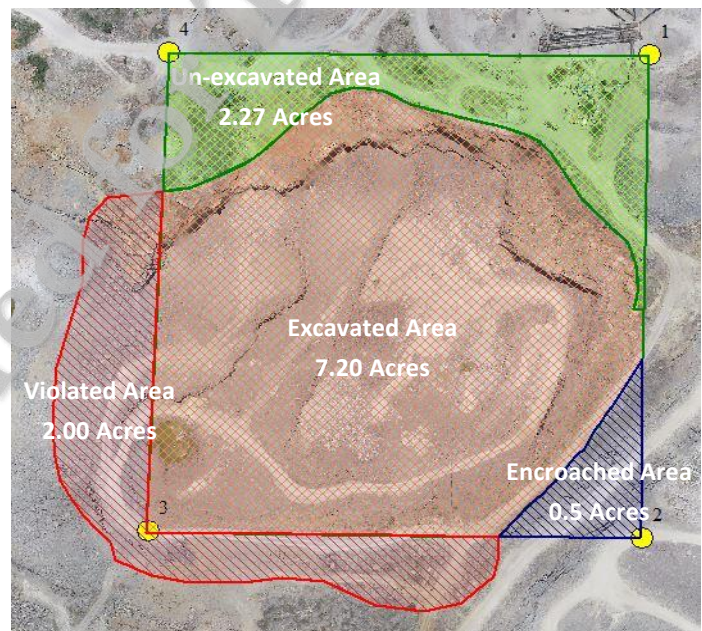
4.6% of Excavated Volume

SURVEY ANALYSIS

Volumetric & Area Extent Analysis



- Survey shows total volume excavated from the Pit to be **8,79,354.6 m³**. **72,607.15 m³** or 9% of the material was excavated in 2020
- Survey shows total volume excavated outside the permitted area to be **43,707 m³**
- Based on the survey and the terrain, we project the estimated volume from the unexcavated area to be **2,35,191.4 m³**
- Survey shows total area of pit to be **9.20 acres**, of which 22% is 'Outside the Perimeter' area



Note: -

- Volumes are calculated for by establishing 1x1 meter grid and each of their respective X,Y,Z values, using the mean plane method
- Estimated Royalty on Aggregate Stone is Rs 60 Per m³

SURVEY CHANGE DETECTION

Analysis from March 2019 – 2020

Element	Area			Volume		
	2019	2020	Change	2019	2020	Change
Total	8.68 acres	9.20 acres	0.52 acres	8,06,747.45 m ³	8,79,354.60 m ³	72,607.15 m ³
Excavated Area	6.89 acres	7.20 acres	0.31 acres	7,73,088.03 m ³	8,38,647.00 m ³	65,558.97 m ³
Unexcavated Area	2.58 acres	2.27 acres	0.31 acres	2,91,311.15 m ³	2,35,191.40 m ³	56,119.75 m ³
Violated Area	1.79 acres	2.00 acres	0.21 acres	33,659.42 m ³	40,707.60 m ³	7048.18 m ³
Encroachment	0.50 acres	0.50 acres	N/A	22,605.27 m ³	22,605.70 m ³	N/A

