

Brief Summary

Sandi Khaera (M.L. No.41/12) Red Ochre Mine is situated at Sandi Khera, Tehsil- Choti Sadri, District- Pratapgarh, and State- Rajasthan over an area of 4.2568Ha. The Lease is granted in favor of M/s Aviva Mines & Minerals C-211 Divya Joyti Apartment, New Bhopalpura, Udaipur, Rajasthan, vide order no. Nikhabhu/Pratap/CC-3/P 1(1) 41/12/653 dated 29/01/2014.

The proposed mining project falls under **Category "A"** Project or activity 1(a) as per EIA Notifications 2006 and amended thereof due to the presence of Interstate Boundary between Rajasthan and Madhya Pradesh within 5km.

Salient features of the project

Project Name	Sandi Khera (M.L. No.41/12) Red Ochre Mine
Applicant	M/s Aviva Mines & Minerals
Area of the lease area	4.2568 ha
Location of mine	Village - Sandi Khera Tehsil - Choti Sadri, District - Pratapgarh State - Rajasthan
Latitude	24°22'12.99"N to 24°22'6.30"N
Longitude	74°46'35.77"E to 74°46'27.05"E
Topo sheet number	45 L/15
Minerals of mine	Red Ochre
Total Mineable reserves	11,99,907 Tonnes
Life of mine	6 years
Project Cost	55 lakh
Proposed production of mine	3,00,000 MTPA
Method of mining	Opencast semi Mechanized
No of working days	300 days

Water demand & Source	Total water requirement is about 15 KLD = 11 KLD (Drinking & Domestic Uses) + 1 KLD (Plantation) + 3 KLD (Dust Suppression). Water will be procured from nearby villages
Man power	73
Nearest railway station	Nimach Railway station (about 15 km in NE direction)
Nearest State highway/national highway	NH-113 about 4 km away in W direction
Nearest airport	Maharana Pratap Airport (about 87 km in W direction)
Seismic zone	Zone II as per IS 1893 (Part I): 2002

Method of Mining

The mining shall be started from the existing pit. Applied Red Ochre mine will be developed by semi mechanized opencast Mining. The mineral is lying on the sub surface therefore open cast mining has been the obvious choice. The direction of advance shall be in all direction. Topsoil shall be removed initially & stack separately. The main operation shall be digging, shorting and the transportation by trucks. The Mineral trucks are to be loaded manually.

The Bench Parameters shall be for mineral

1. Height 1-3m
2. Width - More than 1-3m

Overall slope - 45°

Gradient of the Haul Road: - 1 in 16 (ramps).

The O/B & Mineral is soft & easily Mine able so no Drilling & Blasting is required. Overburden shall also be removed Hydraulic Excavator.

The details of machinery, to be used

S. no.	Type	Nos.
1.	Dumper	8
2.	Diesel Pump	1
3.	Hi-200	4
4.	Water tanker with	1

	tractor	
5.	Tipper 10 tonner	8

A part of the excavated region shall be converted into water reservoir after exhausting the complete available mineral. The lessee shall make water drains for the purpose. The surroundings of the proposed Water Reservoir would be fenced and the excavated region shall be backfilled. This shall also increase the aesthetic beauty of the area. The office and other buildings, the mine road and the other entire infrastructure developed by the lessee shall be used by the local people as public buildings. The virgin region shall be used for agriculture purposes.

Production details

The Proposed Production of Stone in next five year:

Year	Saleable Mineral in tonnes
First Year	112725.5
Second Year	133805
Third Year	161825
Fourth Year	234325
Fifth Year	300000
Total	943680.5

Details of Court case/violation

It is reported by the project proponent that there is no court case/litigation is pending against the project.